Siebel

Object Types Reference

April 2021



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April 2021

Part Number: F12759-03

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Preface

This preface introduces information sources that can help you use the application and this guide.

Using Oracle Applications

To find guides for Oracle Applications, go to the Oracle Help Center at *http://docs.oracle.com/*.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the *Oracle Accessibility Program website*.

Contacting Oracle

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit *My Oracle Support* or visit *Accessible Oracle Support* if you are hearing impaired.

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1 What's New in This Release

What's New in Siebel Object Types Reference Guide, Siebel CRM 21.4 Update

The following information lists the changes in this revision of the documentation to support this release of the software.

Topic	Description
Bitmap	Updated topic. Updated the location where image files are stored. As of Siebel CRM 21.2 Update, image files are located here, on the Siebel Application Interface installation: **SIEBEL_AI_ROOT\applicationcontainer_external\siebelwebroot\images**
Help Id	Updated topic. Updated the URL for HTML help. As of Siebel CRM 21.2 Update, the URL is relative to the **SIEBEL_AI_ROOT/applicationcontainer_external/siebelwebroot** directory on the Siebel Application Interface installation.

What's New in Siebel Object Types Reference Guide, Siebel CRM 20.1 Update

The following information lists the changes in this revision of the documentation to support this release of the software.

Topic	Description
About the Precision and Scale Properties	Updated topic. Updated the descriptions of the Precision and Scale properties.

What's New in Siebel Object Types Reference Guide, Siebel CRM 19.1 Update

No new features have been added to this guide for this release. This guide has been updated to reflect only product name changes.

2 Overview of Using Siebel Object Types Reference

Overview of Using Siebel Object Types Reference

This chapter describes an overview of Siebel Object Types Reference. It includes the following topics:

- *Conventions This Book Uses to Describe Object Types*
- *Common Object Properties*
- *Object Types That You Must Not Modify*
- *Alphabetic List of Object Types*

Conventions This Book Uses to Describe Object Types

This book uses the following conventions:

- Each object type includes a table that describes the properties that the object type includes. The Property column in these tables includes one of the following values:
- **(R) Required.** You must include a value for this property.
- **(O) Optional.** You are not required to include a value for this property.
- **(S) System.** Siebel CRM creates a value that you cannot modify.
- **(H) Hidden.** Identifies object types and properties that the Siebel Web Client does not use. Siebel CRM hides these items in the client and does not display them in the Object Explorer in Siebel Tools. If Siebel CRM hides an object type, then it also hides the properties of this object type. To display these hidden items and other object types in the Object Explorer, see the topic about displaying object types in *Using Siebel Tools* .
- If you spell an object name, then you must use the same spelling that this book uses for this object name.
- A constant is case-sensitive. You typically use all uppercase characters to spell it. For example, TRUE or FALSE for a Boolean field.

A *user* is a person who uses the client of a Siebel CRM application to use Siebel CRM data.

The *client* is the client of a Siebel CRM application.

The *server* is the Siebel Server, unless noted otherwise.

An *administrator* is anyone who uses the administrative views in the client to configure Siebel CRM.

Computer font indicates a value you enter or text that Siebel CRM displays. For example:

```
This is computer font
```

A *predefined object* is an object that comes defined with Siebel CRM. The objects that Siebel Tools displays in the Object List Editor immediately after you install Siebel Tools and the Siebel runtime repository but before you make any customizations are predefined objects.

Siebel Tools can display the value for the property of an object type in one of the following ways:

- Statically in a dropdown list or dialog box.
- Dynamically in a dropdown list or dialog box.
- Text entry.
- With a check mark.
- As a link.

To view the full list of values that you can use for most properties, you can click the dropdown list that Siebel Tools displays if you click anywhere in the value field of the property. This book does not describe every property value you can choose. It describes only the property values that require elaboration.

This book describes only reference information about object types. For information about how to use object types to configure Siebel CRM, see *Configuring Siebel Business Applications* .

Your Siebel CRM application might not include all the features that this documentation describes, depending on the software modules that your company purchases.

Differences That Exist Between the Properties Window and the Object List Editor

In most situations, the properties and values that Siebel Tools displays for an object definition in the Properties Window and the Object List Editor are identical. There are some differences:

- The Properties Window sometimes uses an abbreviated label for a property. For example, the Properties Window uses Workflow Component, and the Object List Editor uses Workflow Policy Component to describe the same property of the assignment attribute column object type.
- The Properties Window might not include every property. For example, it does not include the Project property for some object types.
- The Object List Editor might not include every property.

If differences exist, then this book describes Object List Editor usage unless noted otherwise.

Getting Help From Oracle

If you require help from Oracle for using object types, you can create a service request (SR) on My Oracle Support. Alternatively, you can phone Global Customer Support directly to create a service request or get a status update on your current SR. Support phone numbers are listed on My Oracle Support. You can also contact your Oracle sales representative for Oracle Advanced Customer Services to request assistance from Oracle's Application Expert Services.

Common Object Properties

The following table describes object properties that are common for many different object types. Their meaning and usage is the same for these object types. If an object type includes a property, then, for brevity, the table describes the properties for this object type might not include this property.

Property	Description
Application Code	Reserved for future use.
Changed **(S)**	If you edit a record, then Siebel Tools adds a check mark in the Changed property. This check mark indicates that you modified this object definition since the date and time that you specify in the General tab of the Development Options dialog box. If the Changed property does not include a check mark, then no modification has occurred. For more information, see *Using Siebel Tools* .
Comments **(O)**	Includes text that describes the object definition. This text helps the developer to understand how Siebel CRM uses this property. It does not affect Siebel CRM functionality in any way. It is for documentation purposes only.
Description **(S)**	Includes text that describes the object definition. This text helps the developer to understand how Siebel CRM uses this property. It does not affect Siebel CRM functionality in any way. It is for documentation purposes only.
GParent, GGParent **(S)**	Specifies the name of the grandparent or great-grandparent object definition. Siebel Tools creates the value that this property contains. It displays this property only in the Object List Editor and only if you click the Flat tab in the Object Explorer.
ICL Upgrade Path **(S)**	Identifies the releases that Siebel CRM sets for the Upgrade Behavior property to Preserve for ICL (Incorporate Custom Layout) user interface objects. For more information about ICL, see *Siebel Database Upgrade Guide* .
Inactive **(O)**	If this property includes a check mark, then Siebel Tools does not compile this object definition when you deploy your changes to the Siebel runtime repository and it does not allow other objects to reference it.
Language Code **(R)**	The abbreviation for the language that Siebel Tools uses for this object definition. For example, you can use the following value for U.S. English: **ENU**
Module	Reserved for future use.
Object Language Locked	The abbreviation for the language that Siebel Tools uses for this locked object. For example, ENU for U.S. English. For more information about object and project locking, see *Using Siebel Tools* .
Object Locked	If this property includes a check mark, then the object definition is locked.
Object Locked by Name	Contains the user name of the developer who locked the object definition.
Object Locked Date	Contains the date when the developer locked the object definition.
Parent Name, Parent object_defn_name **(S)**	Contains the parent name of the current object definition. Siebel Tools creates this value. The Parent Business Component property of the Link object type is different from the parent property for other object types. If you create a new link object, then you must enter a value in the Parent Business Component property.

Property	Description
Project **(R)**	Identifies the project that the object definition references.
Redo **(O)**	Describes a single-level redo of a field modification or a record modification. The Locale Management Utility uses this property to track locale-specific modifications.
Repository Name **(S)**	Identifies the repository that includes the object definition.
String Override **(O)**	A language-independent override of the String Reference property. If a value exists in the String Reference property, then Siebel Tools uses this value instead of the value that the String Reference property contains. Siebel Tools displays a string override as **`property_name - String Override`**. For example: **`Display Name - String Override`**
String Reference **(R)**	References a symbolic string. Siebel Tools displays a string reference as **`property_name - String Reference`**. For example: **`Display Name - String Reference`** For example, the Title - String Reference property contains SBL_ACCOUNTS-1004224727-0H5 for the Account List Applet. This string reference references a symbolic string locale. The ENU string value for this locale is Accounts.
Tooltip Text	Obsolete. You must not use this property.
Translate **(S)**	The Locale Management Utility uses this property to track modifications that occur to localization. This property is for Oracle use only.
Upgrade Ancestor **(S)**	You can use this property to make sure that the Application Upgrader upgrades an object that you copy in the same way that it upgrades the original object. For example, assume you make a copy of the Account business component, and then name it ESG Account. You set the Upgrade Ancestor property of the ESG Account business component to Account. This value configures the Application Upgrader to upgrade the ESG Account business component in the same way that it upgrades the Account business component.
Upgrade Behavior **(S)**	Determines if Siebel CRM preserves a user interface object for ICL (Incorporate Custom Layout) handling when it does a repository merge. You can use one of the following values: • **Admin.** The object is never eligible for ICL handling and Siebel CRM ignores it. • **Non-Preservable.** The object is not eligible for ICL handling for an upgrade for the current release. Siebel CRM might modify this value to Preserve in a subsequent release. • **Preserve.** The object is eligible for ICL handling. Oracle sets the value of the Upgrade Behavior property and the ICL Upgrade Path property for each release. You must not modify these values. For more information about ICL, see *Siebel Database Upgrade Guide* .

About the Precision and Scale Properties

The Precision property of an object type specifies the total number of digits that can follow the decimal point for a numeric field:

- A noninteger column can include a total of 22 digits.
- An integer column can include a total of 10 digits.

The Scale property of an object type specifies the maximum number of digits that can precede or follow the decimal point for a numeric field:

- A numeric column can include a total of 7 digits after the decimal point.
- An integer column cannot include any digits after the decimal point.

For example, if the precision for a number is 6, and the scale is 2, then this field can represent a number that uses the following format:

```
9999.99
```

Other examples follow:

```
Precision 4, scale 2: 99.99
Precision 10, scale 0: 9999999999
Precision 8, scale 3: 99999.999
Precision 5, scale -3: 99999000
```

Formats You Can Use With an Accelerator Object Type

This topic describes the format that you can use with an Accelerator or Accelerator Locale. A menu or toolbar item might include a command field. If this command field includes a command that uses an accelerator that you define, then Siebel CRM uses this accelerator. You can use one of the following formats:

- **`modifier + name`**
- **`modifier_1 + modifier_n + name`**
- **`accelerator`**

where:

- *modifier* is Ctrl, Alt, or Shift.
- *name* is 0 through 9, A through Z, F 0 through 24, a key_code, or a constant.
- *key_code* is a three-symbol decimal code, such as 128, or a four-symbol hex number, such as 0x10.
- *constant* is INSERT, DEL, LEFT, RIGHT, UP, DOWN, HOME, END, PAGEUP, PGUP, PAGEDOWN, PGDN, SPACE, TAB, or ENTER.

For example, you can use the following formats:

- Ctrl+F10
- Alt+A
- Ctrl+ INSERT
- Ctrl+Alt+0x221

The syntax is not case-sensitive.

Modifying Undocumented User Properties

You can only modify a user property that is documented. For example, you can modify a user property for an applet that references the CSSFrameBrowser class. Only Oracle can create or delete a user property that is not documented. For more information, see *Siebel Developer's Reference* .

Object Types That You Must Not Modify

This topic lists object types that Siebel CRM uses to manage the repository or that are for internal Oracle use only. You must not modify or delete any of these objects. For help with using these object types, see the following.

You must not modify any object type that this topic lists. Any modification can adversely affect Siebel CRM performance and operation.

Object Types That Siebel Enterprise Integration Manager Uses

The Siebel Enterprise Integration Manager Wizard uses the following object types:

- *Attribute*
- *Attribute Mapping*
- *EIM Explicit Primary Mapping*
- *EIM Interface Table*
- *EIM Interface Table Column*
- *EIM Table Mapping*
- *Foreign Key Mapping*
- *Foreign Key Mapping Column*
- *Interface Table User Key Usage*
- *User Key*
- *User Key Attribute*
- *User Key Attribute Join*
- *User Key Attribute Tree Node*
- *User Key Column*

Object Types That Information Access Uses

Information access uses the following object types. Instead of modifying these objects, it is recommended that you use the Dock Object Wizard to create a new object:

- *Dock Object*

- *Dock Object Related DObj*
- *Dock Object Table*
- *Dock Object Visibility Rule*

Object Types That Server Components Use

Server components use the following object types:

- *Server Component Event Subtype*
- *Server Component Event Type*
- *Server Component Parameter*
- *Server Component State Value*
- *Server Component Statistic*
- *Server Component Subsystem*
- *Server Component Type*

Miscellaneous Object Types

You must not modify any of the following object types:

- *Class*
- *Class Method*
- *Class Method Menu Item*
- *Class Method Menu Item Locale*
- *DLL*
- *Repository*. If you migrate a repository, then you can modify the repository name.
- *String (H)*
- *String Map (H)*
- *Attribute*

Alphabetic List of Object Types

The following list includes all object types that this book describes:

- *Accelerator*
- *Accelerator Locale*
- *Applet Locale*
- *Applet User Prop*

- *Applet Web Template*
- *Applet Web Template Item*
- *Applet Web Template Item Locale*
- *Application*
- *Application Browser Script*
- *Application Event Services*
- *Application Find*
- *Application Locale*
- *Application Method Menu Item (H)*
- *Application Method Menu Item Locale (H)*
- *Application Server Script*
- *Application Toolbar (H)*
- *Application User Prop (H)*
- *Assignment Attribute*
- *Assignment Attribute Column*
- *Assignment Object*
- *Assignment Object Extension*
- *Assignment User Prop*
- *Assignment Criteria*
- *Assignment Criteria Attribute*
- *Assignment Criteria Attribute Locale*
- *Assignment Criteria Locale*
- *Attribute*
- *Attribute Mapping*
- *Bitmap*
- *Bitmap Category*
- *Bitmap Locale*
- *BusComp Browser Script*
- *BusComp Server Script*
- *BusComp View Mode*
- *Business Component*
- *Business Component User Prop*
- *Business Object*
- *Business Object Component*
- *Business Service*
- *Business Service Browser Script*

- *Business Service Locale*
- *Business Service Method*
- *Business Service Method Arg*
- *Business Service Method Arg Locale*
- *Business Service Method Arg User Prop*
- *Business Service Method Locale*
- *Business Service Server Script*
- *Business Service Subsystem*
- *Business Service User Prop*
- *Class*
- *Class Method*
- *Class Method Menu Item*
- *Class Method Menu Item Locale*
- *Class User Prop*
- *Class User Prop Value*
- *Column*
- *Command*
- *Command Locale*
- *Content Object*
- *Content Object View*
- *Chart*
- *Chart Element*
- *Chart Element Locale*
- *Chart Locale*
- *Control*
- *Control Locale*
- *Control User Prop*
- *Drilldown Object*
- *Drilldown Object Locale*
- *Dynamic Candidate (H)*
- *Dynamic Candidate Attribute (H)*
- *Dynamic Candidate Component (H)*
- *Dynamic Candidate Component Col (H)*
- *Dynamic Candidate Locale (H)*
- *Dynamic Drilldown Destination*
- *Data Source (H)*

- *DLL*
- *Dock Object*
- *Dock Object Related DObj*
- *Dock Object Table*
- *Dock Object Visibility Rule*
- *EIM Explicit Primary Mapping*
- *EIM Interface Table*
- *EIM Interface Table Column*
- *EIM Table Mapping*
- *Entity*
- *Entity Attribute (H)*
- *Entity Physical Relation (H)*
- *Entity Relation*
- *Entity Relationship Diagram*
- *External Search Engine (H)*
- *Field*
- *Field Locale*
- *Field User Prop*
- *Find*
- *Find Field*
- *Find Field Locale*
- *Find Locale*
- *Find Pick View*
- *Find View*
- *Foreign Key Mapping*
- *Foreign Key Mapping Column*
- *Help Id*
- *HTML Hierarchy Bitmap*
- *Icon*
- *Icon Map*
- *Import Aux Field*
- *Import Field*
- *Import Field Column*
- *Import Field Locale*
- *Import Field Map*
- *Import Key Field*

- *Import Object*
- *Import Source*
- *Index*
- *Index Column*
- *Integration Component*
- *Integration Component Field*
- *Integration Component Field User Prop*
- *Integration Component Key*
- *Integration Component Key Field*
- *Integration Component User Prop*
- *Integration Object*
- *Integration Object User Prop*
- *Interface Table User Key Usage*
- *Join*
- *Join Constraint*
- *Join Specification*
- *Link*
- *List*
- *List Column*
- *List Column Locale*
- *List Column User Prop*
- *List Locale*
- *Menu*
- *Menu Item*
- *Menu Item Locale*
- *Message*
- *Message Category*
- *Message Locale*
- *Multi Value Field*
- *Multi Value Link*
- *MVF Pick Map*
- *MVF Pick Map UpdOnlyIfNull*
- *Page Tab*
- *Page Tab Locale*
- *Pager Object*
- *Pick List*

- *Pick Map*
- *Pick Map UpdOnlyIfNull*
- *Project*
- *Repository*
- *Screen Menu Item*
- *Screen Menu Item Locale*
- *Schema Maintenance*
- *Screen*
- *Screen Locale*
- *Screen View*
- *Screen View Locale*
- *Server Component Event Subtype*
- *Server Component Event Type*
- *Server Component Parameter*
- *Server Component State Value*
- *Server Component Statistic*
- *Server Component Subsystem*
- *Server Component Type*
- *Single Value Field*
- *String (H)*
- *String Map (H)*
- *SVF Pick Map*
- *SVF Pick Map UpdOnlyIfNull*
- *Symbolic String (H)*
- *Symbolic String Locale*
- *System Activity Object*
- *Table*
- *Task*
- *Task Branch*
- *Task Branch Criteria*
- *Task Branch Criteria Value*
- *Task Chapter*
- *Task Chapter Locale*
- *Task Event*
- *Task Event IO Argument*
- *Task Group*

- *Task Group Item*
- *Task Group Locale*
- *Task Locale*
- *Task Metric*
- *Task Property*
- *Task Step*
- *Task Step Context*
- *Task Step IO Argument*
- *Task Step Locale*
- *Text Style (H)*
- *Toolbar*
- *Toolbar Item*
- *Toolbar Item Locale*
- *Toolbar Locale*
- *Tree*
- *Tree Node*
- *Tree Node Locale*
- *Type*
- *User Key*
- *User Key Attribute*
- *User Key Attribute Join*
- *User Key Attribute Tree Node*
- *User Key Column*
- *View*
- *View Locale*
- *View Task Group*
- *View Task Group Locale*
- *View User Prop (H)*
- *View Web Template*
- *View Web Template Item*
- *View Web Template Item Locale*
- *Web Page*
- *Web Page Item*
- *Web Page Item Locale*
- *Web Page Item Parameter*
- *Web Page Locale (H)*

- *Web Template*
- *WF Branch Connector (H)*
- *WF Branch Criteria (H)*
- *WF Branch Criteria Value (H)*
- *WF Process Metric*
- *WF Process Prop*
- *WF Step*
- *WF Step Branch (H)*
- *WF Step I/O Argument (H)*
- *WF Step Recipient (H)*
- *Workflow Policy Column*
- *Workflow Policy Component*
- *Workflow Policy Component Col*
- *Workflow Policy Object*
- *Workflow Policy Program*
- *Workflow Policy Program Arg*
- *Workflow Process*

3 Siebel Object Types Reference

Siebel Object Types Reference

This chapter describes Siebel Object Types. It includes the following topics. This is the same list of topics that the Object Explorer displays in Siebel Tools:

- *Applet Object Types*
- *Application Object Types*
- *Assignment Attribute Object Types*
- *Assignment Criteria Object Types*
- *Bitmap Category Object Types*
- *Business Component Object Types*
- *Business Object Object Types*
- *Business Service Object Types*
- *Class Object Types*
- *Command Object Types*
- *Content Object Types*
- *DLL Object Type*
- *Dock Object Object Types*
- *EIM Interface Table Object Types*
- *Entity Relationship Diagram Object Types*
- *External Search Engine Object Type*
- *Find Object Types*
- *Help Id Object Type*
- *HTML Hierarchy Bitmap Object Type*
- *Icon Map Object Types*
- *Import Object Object Types*
- *Integration Object Object Types*
- *Link Object Type*
- *Menu Object Types*
- *Message Category Object Types*
- *Pager Object Type*
- *Link Object Type*
- *Pick List Object Type*
- *Project Object Type*
- *Repository Object Type*
- *Schema Maintenance Object Types*

- *Screen Object Types*
- *Server Component Object Types*
- *String Object Types*
- *Symbolic String Object Types*
- *System Activity Object Object Types*
- *Table Object Types*
- *Task Object Types*
- *Task Group Object Types*
- *Text Style Object Types*
- *Toolbar Object Types*
- *Type Object Types*
- *View Object Types*
- *Web Page Object Types*
- *Web Template*
- *Workflow Policy Column Object Type*
- *Workflow Policy Object Types*
- *Workflow Policy Program Object Types*
- *Workflow Process Object Types*

Applet Object Types

This topic describes the Applet object type and the object types that are children of an applet. It includes the following topics:

- *Applet*
- *Applet Browser Script*
- *Applet Locale*
- *Applet Message*
- *Applet Message Locale*
- *Applet Message Variable*
- *Applet Message Variable Locale*
- *Applet Method Menu Item*
- *Applet Method Menu Item Locale*
- *Applet Script (H)*
- *Applet Server Script*
- *Applet Toggle*
- *Applet User Prop*
- *Applet Web Template*
- *Applet Web Template Item*

- *Applet Web Template Item Locale*
- *Chart*
- *Chart Element*
- *Chart Element Locale*
- *Chart Locale*
- *Control*
- *Control Locale*
- *Control User Prop*
- *Drilldown Object*
- *Drilldown Object Locale*
- *List*
- *List Column*
- *List Column Locale*
- *List Column User Prop*
- *List Locale*
- *Tree*
- *Tree Node*
- *Tree Node Locale*

Applet

An applet allows the user to view, enter, and modify data that the applet gets from a single business component. It includes the following qualities:

- Occupies a section of a view
- Composed of controls, such as buttons, fields, check boxes, and other types of controls, such as buttons that call a method or an ActiveX control
- Allows the user to view, enter, modify, and navigate through records
- Can display as a form, list of records, chart, business graphics, or navigation tree
- Allows data entry for a single record or through a scrolling table that Siebel CRM displays multiple records

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Applet`

The following table describes properties that Siebel CRM uses with an applet.

Property	Description
Associate Applet **(O)**	Specifies the name of an applet that relates data from two different entities. It uses a many-to-many relationship. Siebel CRM can associate rows from entity B with rows from entity A, where entity B is an association applet that includes a many-to-many relationship and entity A is the main applet. You can specify an association list applet.

Property	Description
Auto Query Mode **(O)**	You can use one of the following values: • **New Query.** Deletes the business component search specification, deletes the predefined query for the business object, and sets the business component to Query mode. Automatically displays the applet in Query mode. • **Refine Query.** Uses the existing search specifications and predefined queries.
Background Bitmap **(O)(H)**	The bitmap that Siebel CRM displays in the applet background. You can specify the object definition for any applet background bitmap.
Background Bitmap Style **(O)(H)**	Specifies how Siebel CRM arranges the background bitmap. You can use one of the following values: • **Center.** Display the image centered in the middle of the background. • **Stretch.** Stretch the image so that it covers the entire background. • **Tile.** Display multiple copies of the image so that it covers the entire background.
Business Component **(O)**	Specifies the name of the business component that includes the data that Siebel CRM displays. A view that uses an applet references a business object. This business object must include a business object component that references the business component that includes the data that Siebel CRM must display.
Class **(O)**	Specifies the name of a C++ class that Siebel CRM uses to manage the applet. You can use one of the following values: • **CSSFrame.** Form applet. • **CSSFrameChart.** Chart applet. • **CSSFrameList.** List applet. • **CSSFrameTree.** Tree applet. You can also use a specialized applet class. For example: • CSSFrameListAttachment • CSSFrameListActivity
Default Applet Method	Specifies the method that runs if the user presses the Enter key in the applet.
Height **(R)(H)**	Specifies the vertical size of the applet in sector units. You can use one of the following values: • 1 • 2 • 3 • 4
Help Identifier **(O)**	Not used.
HTML Number of Rows **(O)**	Specifies the number of rows that Siebel CRM displays in a list applet. If the HTML Number of Rows Property property is empty, then Siebel CRM uses the value of the NumberOfListRows parameter in the application configuration file. This parameter sets the default number of rows for the list applets that this application displays. If the NumberOfListRows parameter is also not specified, then Siebel CRM

Property	Description
	sets the default value to 10. In some Siebel CRM versions, the default value for some applets might equal seven.
HTML Popup Dimension **(O)(H)**	Specifies the dimension in pixels of the pop-up dialog box. You use the following format: **`numberxnumber`** where: • x is lower case. You cannot include empty spaces. For example: **`640x480`**
ICL Upgrade Path	For more information, see *Common Object Properties*.
Insert Applet **(O)**	Not used.
Insert Position **(O)**	Specifies the position where Siebel CRM creates a new record. You can use one of the following values: • **BEFORE.** Before the current record. • **AFTER.** After the current record. • **FIRST.** After first record. • **LAST.** After last record.
Mail Address Field **(O)**	Specifies the default email recipient that Siebel CRM displays in the Message Properties dialog box. It uses the list of recipients in the applet user properties. For example: **`Email Address`** Where: • Email Address is a business component field.
Mail Template **(O)**	Specifies the text file that Siebel CRM uses to fill in data in the default email message. It can include the following placeholder that uses a substitution value for a field: **`%field%`** The contents of the **`C:\Siebel\MSGTEMPL`** directory determines the list of mail templates that are available.
Name **(R)**	Specifies the name of the applet. The name can include spaces. It must be unique among applets. Any object that references an applet references the applet name. For example: **`Account Form Applet`**
No Delete **(O)**	Specifies if Siebel CRM can delete a row in an applet. You can use one of the following values: • **TRUE.** No row deletion allowed. • **FALSE.** Row deletion allowed.

Property	Description
No Insert **(O)**	Specifies if Siebel CRM can insert a row in an applet. You can use one of the following values: • **TRUE.** No row insertion allowed. • **FALSE.** Row insertion allowed.
No Merge **(O)**	Specifies if Siebel CRM can merge a row in an applet. You can use one of the following values: • **TRUE.** No row merge allowed. • **FALSE.** Row merge allowed.
No Update **(O)**	Specifies if Siebel CRM can update a field in an applet. You can use one of the following values: • **TRUE.** No field update allowed. • **FALSE.** Field update merge allowed.

Popup Dimension **(O)(H)**	Specifies the size of the pop-up applet. This text property is valid only for association, pick, multivalue group, and detail applets. You can use the following format:
	`W X H`
	where:
	• *W* is the width in pixels.
	• *H* is the height in pixels.
	• X is upper-case.
	• A space must precede and follow the X.
	For example:
	`512 X 220`

Scripted **(S)**	Specifies if a Siebel VB or Siebel eScript script is attached to the applet. It can include of the following values: • **TRUE.** Script attached. • **FALSE.** No script attached.
Search Specification **(O)**	Specifies a conditional expression that Siebel CRM uses to restrict the records it gets from the business component that the applet references. For example: `[Service Flag] = 'Y'` For more information, see *How Siebel CRM Uses an Applet Search Specification*.
Task	Specifies the name of the Task object for an applet that a task uses. For example: `Asset To Contract Task`
Text Style **(O)(H)**	Specifies a text style for all controls that the applet includes. Siebel CRM uses this value by default only if the control does not specify a text style. If you do not specify a value for the Text Style property, then Siebel CRM uses the text style that the Browser specifies or that the .css files for the Siebel CRM application specifies.

Property	Description
Title **(O)**	Specifies the text that Siebel CRM uses for the applet title. For example: `Account`
Type **(O)**	Specifies the type of the applet.
Upgrade Behavior	For more information, see *Common Object Properties*.
Width **(R)(H)**	Specifies the horizontal size of the applet in sectors. You can use one of the following values: • 1 • 2

How Siebel CRM Uses an Applet Search Specification

An *applet search specification* is a search specification that resides in the Search Specification property of an applet. If an applet includes a search specification, and if the business component that the applet references includes a search specification, then Siebel CRM appends the applet search specification to the end of the value in the Search Specification property of this business component. It does not use the applet search specification to override the search specification on this business component.

If the user navigates to an applet that does not include a search specification, then Siebel CRM does not requery or use the existing search specification except in the following situations:

- **The user navigates from a parent applet to a child applet.** It uses an empty applet search specification.
- **Siebel CRM modifies the visibility mode of the parent applet.** It uses the applet search specification even if this search specification is empty.

If multiple applets in one view reference the same business component, then you must not specify different applet search specifications. You must make sure all of these applets use the same search specification or that all of these applet search specifications are empty.

An applet search specification can modify the query context for a user who performs a query.

Applet Browser Script

An applet browser script defines the browser script that an applet uses. For more information, see *Siebel Object Interfaces Reference* .

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Applet > Applet Browser Script`

The following table describes properties that Siebel CRM uses with an applet browser script.

Property	Description
Browser Group **(O)**	Not used.

Property	Description
Name **(S)**	Specifies a unique name for the script record. For example: `Applet_ChangeRecord_All` You must not modify this property. To create a value for this property, Siebel Tools combines the User Agent and Procedure properties.
Procedure **(O)**	Specifies the applet name that Siebel CRM uses to upgrade the current applet during the next repository merge. It typically uses the ancestor applet that this property specifies as the source to create a new applet.
Script **(O)**	Text for the function.

Applet Locale

An applet locale defines a language override that Siebel CRM uses with an applet.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > Applet Locale**

The following table describes properties that Siebel CRM uses with an applet locale.

Property	Description
Name **(R)**	The language abbreviation that the Siebel CRM application uses. For example: `ENU`
Title **(O)**	The text that Siebel CRM uses for the applet title for a language.

Applet Message

An applet message allows Siebel CRM to combine static text with dynamic data, such as the value from a business component field. If you bind an applet message to an applet control, then Siebel CRM displays this message as a read-only, translated string that includes dynamic data. For more information about configuring an applet message, see *Siebel Business Process Framework: Task UI Guide* .

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > Applet Message**

The following table describes properties that Siebel CRM uses with an applet message.

Property	Description
Name **(R)**	Specifies the name for the applet message. You can use this name and the Field picklist to bind the applet message to a control.

Text Message **(R)**	Specifies the text message. It references a symbolic string that includes static text and placeholders for dynamic data. A placeholder uses the following format:
	`%n`
	where:
	• *n* is a number.
	For example:
	`Here is the tracking number for your case: %1`

Text Message - String Override	Specifies the override message of a symbolic string. This override is for a text message.

Applet Message Locale

An applet message locale defines language overrides that Siebel CRM uses with an applet message.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Applet Message* > Applet Message Locale**

The following table describes properties that Siebel CRM uses with an applet message locale.

Property	Description
Language Code **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: `ENU`
Text Message **(R)**	Specifies the string that Siebel CRM uses for the Applet Message.

Applet Message Variable

An applet message variable includes a list of business component fields and their corresponding numerical key. Siebel CRM uses this numerical key to identify the placeholder it must replace in the parent applet message.

For example, assume the following applet message:

```
Here is the tracking number for your case: %1.
```

The Applet Message Variable that Siebel CRM uses for the Case Id business component field in this example is a value of 1. At runtime, if the value of Case Id is 12-ABCX, then the Applet Message contains the following value:

```
Here is the tracking number for your case: 12-ABCX.
```

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Applet Message* > Applet Message Variable**

The following table describes properties that Siebel CRM uses with an applet message variable.

Property	Description
Field **(R)**	Specifies a field from the business component that the applet references.
Field - Language Override **(O)**	Specifies the language that Siebel CRM uses for a field that is different from the language that the Siebel CRM application uses.
Value **(R)**	Specifies a numeric value for the field value that Siebel CRM replaces at runtime. This value must correspond to one of the placeholders in the text of the parent applet message.

Applet Message Variable Locale

An applet message variable locale defines a language override that Siebel CRM uses with an applet message variable.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Applet Message* > *Applet Message Variable* > Applet Message Variable Locale**

The following table describes properties that Siebel CRM uses with an applet message variable locale.

Property	Description
Field **(O)**	Specifies the name of an alternative field that Siebel CRM uses if the value of the Name property is the active locale.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Applet Method Menu Item

An applet method menu item defines the applet menu that Siebel CRM displays if the applet is activate. You must write script in the PreInvokeMethod event handler that examines the method string and performs an action. If this string does not exist, then an error occurs. For more information, see *Siebel Object Interfaces Reference* .

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > Applet Method Menu Item**

The following table describes properties that Siebel CRM uses with an applet method menu item.

Property	Description
Command **(O)**	Specifies the command that Siebel CRM runs if the user chooses an item in an applet menu.
Menu Text **(R)**	Specifies the text that Siebel CRM displays in the menu item.
Name **(O)**	Specifies the name of the menu item in a menu.
Position **(R)**	Specifies the position of the menu item in a menu. This value is an integer.
Suppress Menu Item **(O)**	Removes the menu item that the Name property identifies from the applet menu. You can use one of the following values: • **TRUE.** Suppress the menu item. • **FALSE.** Do not suppress the menu item.

Applet Method Menu Item Locale

An applet method menu item locale defines the language override that Siebel CRM uses with an applet method menu item.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Applet Method Menu Item* > Applet Method Menu Item Locale**

The following table describes properties that Siebel CRM uses with an applet method menu item locale.

Property	Description
Menu Text **(R)**	Specifies the text that Siebel CRM displays in the menu item for a language.
Name **(O)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Applet Script (H)

An applet script defines a Siebel VB script or Siebel eScript script for an applet. Starting with Siebel CRM version 7.0, applet browser script and applet server script replace applet script.

This object type occurs in the following location in the object hierarchy:

- *Applet* > Applet Script

The following table describes properties that Siebel CRM uses with an applet script.

Property	Description
Name **(R)**	Specifies the name of the script.
Program Language **(O)**	Specifies the script programming language. You can use one of the following values: • **SBL.** Siebel VB. • **JS.** Siebel eScript.
Script **(R)**	Specifies the body of the script. The maximum size of this body is 16KB.
Sequence **(R)**	Specifies the order that Siebel CRM uses to compile scripts that this object contains. This property can contain only an integer. For example, assume the Sequence property for Script A is 1 and the Sequence property for Script B is 2. Siebel CRM compiles script Script A first and then Script B second.

Applet Server Script

An applet server script defines script for a server applet. For more information, see *Siebel Object Interfaces Reference* . Starting with Siebel CRM version 7.0, applet server script replaces applet script and applet web script.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > *Applet* > Applet Server Script

The applet server script uses the same properties as the applet script. For more information, see *Applet Script (H)*.

Applet Toggle

An applet toggle allows the user to navigate back and forth between different applets in the same view. For more information, see *Configuring Siebel Business Applications* .

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > *Applet* > Applet Toggle

The following table describes properties that Siebel CRM uses with an applet toggle.

Property	Description
Applet **(R)**	Specifies the name of the applet that Siebel CRM displays for a static toggle. For example: Activity Form Applet

Property	Description
Auto Toggle Field **(O)**	Specifies the business component field for a dynamic toggle. Siebel CRM examines the current value that this field contains to the value that the Auto Toggle Value property contains. For example: `Item Type BusObj Name`
Auto Toggle Value **(O)**	Specifies the value in the business component field for a dynamic toggle. If this field contains the value that the Auto Toggle Value property specifies, then Siebel CRM displays the applet. For example: `Action`
Name **(R)**	Specifies the name of the applet that Siebel CRM displays. For example: `Activity Form Applet`
Sequence **(O)**	Specifies the order that Siebel CRM uses to display this applet for a dynamic toggle. This property can contain only an integer. For example, assume the Sequence property for Applet Toggle A is 1 and the Sequence property for Applet Toggle B is 2. Siebel CRM displays Applet Toggle A first and then Applet Toggle B second.

Applet User Prop

An applet user prop sends a value to the C++ code that implements specialized applet configuration. Siebel CRM persists the value that you configure for a user property in the Siebel runtime repository. For more information, see *Object Types That You Must Not Modify*.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Applet > Applet User Prop`

The following table describes properties that Siebel CRM uses with an applet user prop.

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

Applet Web Template

An applet web template does the following:

- Identifies the web template that an applet uses.
- Identifies external HTML or other markup language files that define the layout and Siebel Web Engine interactions for an applet.

- Includes child applet web template items that define the mappings between controls or list columns in the applet and placeholder tags in the web template file.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > Applet Web Template**

The following table describes properties that Siebel CRM uses with an applet web template.

Property	Description
Expression (O)(H)	Not used.
Name **(R)**	Specifies the name of this applet web template.
Sequence **(O)**	Specifies the sequence for an edit template. If a user opens multiple Edit pages, then Siebel CRM uses the sequence number to identify each template. This property can contain only an integer. The starting value for the web template sequence is 0. If more than one template exists with the same type, then Siebel CRM uses the following sequence: • 0 • 1 • 2 • And so forth
Type **(R)**	Specifies the mode that Siebel CRM uses for this applet web template. You can use one of the following values: • **Base.** Displays the applet in standard read-only mode. • **Edit.** Modifies existing data in a record. Used with the EditRecord method. • **Edit List.** Displays a list applet in a mode where the chosen row or column is editable. You can use the Edit List mode instead of the BASE mode for a list applet. • **New.** Enters data into new records. Used with the NewRecord method. • **Query.** Displays the fields that Siebel CRM searches. Used with the NewQuery method.
Web Template **(R)**	Specifies the web template that Siebel CRM uses to display the applet.

Applet Web Template Item

An applet web template item maps a control or list column to a placeholder ID.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Applet Web Template* > Applet Web Template Item**

The following table describes properties that Siebel CRM uses with an applet web template item.

Property	Description
Column Span **(O)**	Specifies the width of an item in a grid form applet. This width contains cells. Each cell is 8 pixels wide and 8 pixels high. This property can contain an integer that is less than or equal to 120. You must not manually modify this property.
Column Span - Language Override **(O)**	Allows you to override the Column Span property if a language locale is active. It can contain an integer that is less than or equal to 120. You must not manually modify this property.
Control **(R)**	Specifies the name of the control or list column. For example: `Button Reorder`
Expression **(O)**	Specifies the condition in which Siebel CRM maps this item. For example: Not Siebel Sales
Grid Property **(R)**	Specifies the item type for a grid form applet. If you use the Grid Layout Editor, then Siebel Tools automatically sets this property. You can use one of the following values: • FormattedLabel • FormattedHtml
Item Identifier **(R)**	Specifies the ID of the `swe:control` tag. The Siebel Web Engine uses this property to associate a control with a position in a web template. To populate this property, you can drag and drop a control in the Web Applet Layout Editor.
Item Identifier - Language Override **(O)**	Specifies the language that Siebel CRM uses for the item identifier if this language is different from the language that the Siebel CRM application.
Mode **(O)**	Specifies to use the More/Less feature. It allows an applet to display a limited set of fields. If the user clicks More/Less, then Siebel CRM displays more fields. A combo box in the toolbar allows you to switch between modes when you edit a layout. You can use one of the following values: • **Less.** Siebel CRM enters Less in the Mode property for each control you create. • **More.** Siebel CRM enters More in the Mode property for each control you create.
Name **(R)**	Specifies the name of the item. Same as the control property.
Namespace - Language Override **(O)**	Not used.
Namespace **(O)**	Not used.

Property	Description
Row Span **(O)**	Specifies the height of an item in a grid form applet. This height contains cells. Each cell is 8 pixels wide and 8 pixels high. This property can contain an integer that is less than or equal to 100. You must not manually modify this property.
Row Span - Language Override **(O)**	Allows you to override the Row Span property if a language locale is active. It can contain an integer that is less than or equal to 100. You must not manually modify this property.
Type **(R)**	Specifies the type of the item. To view the values you can use, click the Type property in Siebel Tools.

Applet Web Template Item Locale

An applet web template item locale defines the language overrides that Siebel CRM uses with an applet web template item.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Applet Web Template* > *Applet Web Template Item* > Applet Web Template Item Locale**

The following table describes properties that Siebel CRM uses with an applet web template item locale.

Property	Description
Column Span **(O)**	Allows you to modify the Column Span property if a language or locale is active. This property affects the Column Span Language Override property of an applet web template item.
Item Identifier **(O)**	Specifies the control ID that Siebel CRM maps to the control that the Siebel Web Template for a language identifies.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**
Namespace **(O)**	Not used.
Row Span **(O)**	Allows you to modify the Row Span property if a language or locale is active. This property affects the Row Span Language Override property of an applet web template item.

Chart

A chart displays graphical data in the boundaries of an applet.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Applet > Chart`

The following table describes properties that Siebel CRM uses with a chart.

Property	Description
Bar Colors **(O)**	Specifies a list of colors for bars or pie slices in an itemized list of red, green, and blue triplets: • The first triplet specifies the color for the first series. • The second triplet specifies the color for the second series. • And so on. If the list contains more series members than triplets, then Siebel CRM repeats the list of colors. You can specify up to 15 triplets. Each number in a triplet must be between 0 and 255. For example, 128 0 0, 0 128 0, 0 0 128. The following value is the default value: `0 255 0,0 0 255,255 0 0,255 0 255,255 255 0,0 255 255,255 0 128,255 128 0,0 255 128,128 0 255,255 255 128,128 255 255,128 128 64,128 64 128,64 128 128`
Category Captions **(O)**	Specifies the caption for the x-axis.
Category Field **(R)**	For more information, see *Configuring the Category Field Property of a Chart*.
Compare **(O)(H)**	Obsolete. Do not use.
Data Function **(O)**	Specifies the operation that Siebel CRM performs on data. You can use one of the following values: • **COUNT.** Counts the number of records. • **SUM.** Sums field values for all records in the category. • **AVERAGE.** Calculates the average value for each record of the field. • **PLOT.** Plots all cell values. If a cell in the logical table does not contain a value, then Siebel CRM sets the chart value to NULL. If COUNT is the only data function you must apply to the chart because the Picklist Functions property is empty, then it is recommended that you do specify a value for the Data Point Field property value. This configuration can improve performance. For more information, see *Configuring the Data Function Property of a Chart*.
Data Point Captions **(O)**	Specifies the caption for the y-axis.

Property	Description
Data Point Field **(O)**	Specifies the field that contains the data that Siebel CRM plots on the y-axis. If you do not specify this property, then specify COUNT in the Data Function property. For more information, see *Configuring the Data Function Property of a Chart*.
Editable **(O)**	Obsolete. Do not use.
Invert **(O)**	You can use one of the following values: • **TRUE.** Invert the x-axis, z-axis, labels, and titles. This configuration can be useful to display a different view of the data. • **FALSE.** Do not invert the x-axis, z-axis, labels, and titles. Choosing a By picklist item modifies this property except in a time period chart where it modifies the time period on the x-axis.
Multi Data Point **(O)**	You can use one of the following values: • **TRUE.** Plot multiple line-graph curves on the same y-axis according to different source field and function combinations. Siebel CRM displays the name for each curve in the legend. You must also set the following properties in the chart object definition: o Data Point Field o Data Function o Picklist Functions o Multi Data Point • **FALSE.** Do not plot multiple curves.
Name **(R)**	Specifies the name of the chart.
Period **(O)**	Specifies a calendar period or a time period that the user defines as the default time period for this chart. To view the values you can choose, click the Period property in Siebel Tools. If you specify the Period property, then you must set the field type of the business component field that supplies the values for the chart categories to Date or DateTime. The user can define any time period that the Period business component contains, such as fiscal month, quarter, or year. To allow the user to define a time period in a chart, you must add the Period business component to the current business object.
Picklist Function Captions **(O)**	Specifies captions for the list of functions that the y-axis uses.
Picklist Functions **(O)**	Specifies the data functions that Siebel CRM lists in the Show picklist in the applet. To suppress a function in this picklist, do not specify a string in the position of this function. For more information, see *Configuring the Data Function Property of a Chart*. Siebel CRM does not specify a value for this property and does not display this picklist in the applet, by default. For example: `Number of Opportunities, Opportunity Revenue,`

Property	Description
	`Average Revenue.` Siebel CRM associates each item you enter with a data point field and data function in a corresponding position in the Data Point Field property and the Data Function property. It makes this association according to the order that you use when you enter the items in the Picklist Functions property.
Picklist Period Captions **(O)**	Specifies the captions that Siebel CRM displays for the list of date time periods that the x-axis uses.

Picklist Periods **(O)**	Specifies the time periods that Siebel CRM displays in a picklist in an applet. You enter a comma-separated list that does not include a space after the comma. For example:
	
	`Month(Calendar),`
	`Quarter (Calendar), Year(Calendar),Day,Week,Month,`
	`Quarter,Year`
	
	If the Picklist Periods property is empty, then Siebel CRM does not display time periods in the picklist in the client.
	
	To allow the user to define a time period in a chart, you must add the Period business component to the current business object.

Picklist Type Captions **(O)**	Specifies the captions for the types of charts.
Picklist Types **(O)**	Specifies the chart types that Siebel CRM includes in the picklist in the applet. You enter a comma-separated list that does not include a space after the comma. For example: `2dBar,3dBar` If the Picklist Types property is empty, then Siebel CRM does not display chart types in the picklist in the client. To display a 2dScatter, 3dScatter, or Combo chart, you must use the Type property. You cannot use the Picklist Types property to display these chart types. For a list of chart types that you can specify, see the description for the Type property.
Selection Based **(O)**	You can use one of the following values: • **TRUE.** Chart only the currently active record that the business component contains. • **FALSE.** Chart all records that the business component contains.
Series Captions **(O)**	Specifies the caption for the z-axis.
Series Field **(O)**	Specifies the field that contains the data that Siebel CRM plots on the z-axis. If this property is empty, then it maps all of the records into a single series. For more information, *Configuring the Series Field Property of a Chart*.
Type **(O)**	Specifies the type of chart that Siebel CRM displays. You can use one of the following values: • 2dBar, 3dBar, 2dStackedBar, 3dStackedBar, 2dLine, 3dLine, Combo, 2dHorizBar, 3dHorizBar, 2dCube, 3dCube • 3dClusteredBar, 2dPie, 3dPie, 2dDoughnut • 2dScatter, 3dScatter, 2dSpline, 3dSpline

Property	Description
	To display a combo chart, you must specify a value in the Data Point Field property. Siebel CRM displays the Sum (Data Function) of this field on the y-axis and the Count for this field on the second y-axis. To display a 2dScatter chart or a 3dScatter chart, you must specify the Coordinates property for the axis label of the x-axis. For more information, see *Chart Element*.
Use Category MVGroup Data **(O)**	You can use one of the following values: • **TRUE.** If the category field is a multivalue group (MVG), then Siebel CRM gets the charting data from this field. If you set this property to TRUE, then you cannot use the following properties: o Data Function o Data Point Captions o Data Point Field • **FALSE.** Use the value listed in the business component.

Configuring the Category Field Property of a Chart

If the Category Field property contains:

- **The name of a business component field.** Siebel CRM gets the x-axis labels from this field. To display these field values, the By picklist allows the user to choose the x-axis or the z-axis.
- **A comma-separated list of field names.** Siebel CRM displays a list of fields in the By picklist in the client. The value that the user chooses determines the field that populates the x-axis. The first value in the comma-separated list is the default value. You must not use an empty space before or after a field name. If you specify a list of x-axis source fields, then you must not use the following properties of the chart element:
  - Coordinates
  - Display Format
  - Divisions
  - List Of Values
  - Sort Specification
  - Text

  These properties define the label for the x-axis. Siebel CRM can use these properties only for one x-axis field.

If Siebel CRM creates a new business component field that the chart references, and if it maps this field to a Calculated field in another business component through a multivalue link, and if a category field uses this new field for the chart, then the drilldown on the chart does not work correctly because the Calculated field cannot preserve the context.

Configuring the Series Field Property of a Chart

Configuration for the Series Field property of the chart is identical to configuration for the Category Field property except that the Series Field property applies to the z-axis instead of the x-axis. For more information, see *Configuring the Category Field Property of a Chart*.

Configuring the Data Function Property of a Chart

This topic describes how to configure the Data Function Property for a chart.

Configuring the Show Picklist to Display Field and Function Combinations

You can configure the Show picklist to display a list of field and function combinations. The item that the user chooses determines the values that Siebel CRM plots on the y-axis.

To configure the Show Picklist to display field and function combinations

1. Enter a comma-separated list in the following properties of the chart object:
    - Data Point Field
    - Data Function
    - Picklist Functions
2. Add the following list to the Data Function property. If the Data Function property is empty, or if the value that it contains is shorter than the value that the Picklist Functions property contains, then Siebel CRM uses this same list:

    ```
    Sum,Count,Average,Plot
    ```

Configuring Siebel CRM to Plot Multiple Line-Graph Curves on the Same Y-Axis

Siebel CRM can plot multiple line-graph curves on the same y-axis according to different source field and function combinations. It displays the name for each curve in the legend.

To configure Siebel CRM to plot multiple line-graph curves on the same y-axis

1. Modify the same properties that you modify in *Configuring the Data Function Property of a Chart*. You also modify the following properties:
    - Category Field
    - Multi Data Point
2. Make sure the Series Field property is empty.
3. In the Data Function property, enter the same comma-separated list that you add in *Configuring the Data Function Property of a Chart*.

Configuring Siebel CRM to Display Two Line-graph Curves on Different Y-axes

You can configure Siebel CRM to plot one axis on the left side of the graph and another axis on the right side of the graph.

To configure Siebel CRM to display two line-graph curves on different y-axes

1. Specify two functions in the Data Function property of the chart object. Use a comma to separate these functions.

    The first function defines the left y-axis and the second function defines the right y-axis.
2. Specify two fields in the Data Point Field property.

Chart Element

A chart element specifies one of the static characteristics of a chart, including title, legend, labels, chart body, or axis.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Chart* > Chart Element**

The following table describes properties that Siebel CRM uses with a chart element. Each property applies to only some types of chart elements. For more information, see *Multi Value Field*.

Property	Description
Axis Id **(O)**	Specifies the axis to which subsequent axis elements apply. Applies to the AxisLabel, AxisLineGrid, and AxisTitle elements. To view the values you can use, click the Axis Id property in Siebel Tools.
Color **(O)**	Specifies color for all elements. In particular, it specifies color for the following elements: • Sets the text color for elements that contain text. • Sets the fill color for the Plot element, chart element, and the HorizArea graphic. • Sets the line color for the Axis Line Grid element and the Line, Rectangle, Ellipse, and HorizLine graphics. The value you enter must use the following format: • A space-separated red, green, blue triplet with each value in the range 0 through 255.
Coordinates **(O)**	For more information, see *Configuring the Coordinates Property of a Chart Element*.
Display Format **(O)**	Specifies the format for the label of the AxisLabel element on the axis that the Axis Id property specifies. If this property: • **Includes a value.** Siebel CRM applies the format string that this property specifies. It applies this format to the axis label before it displays the label in the chart. • **Does not include a value.** Siebel CRM applies the default format for the Category, Series, or Data Point Field business component field that it uses for the x-axis, z-axis, or y-axis. You can use any format string that the Display Format accepts. For example: `0.##%`
Divisions **(O)**	Specifies the number of divisions for the axis that the Axis Id property specifies. Applies to the AxisLabel element. It applies to the y-axis. It applies differently for the following charts: • **Scatter chart.** Applies to the x-axis and the y-axis. • **Other charts.** If the field values are numbers, then it applies to the x-axis or z-axis. • **Histogram chart.** The axis that the Axis Id property specifies must display numeric data. If it does not, then Siebel CRM displays labels and does not bucket data. To support a histogram chart, you must also specify the Coordinates property. You can use any number greater than 0. If the Divisions property does not include a value, then Siebel CRM automatically calculates the number of divisions. For example, if the Divisions property includes the following value, then Siebel CRM draws five labels on the axis:

Property	Description
	4 The Divisions property is required only for the x-axis and z-axis in a histogram chart.
Font Effect **(O)(H)**	Specifies format to apply to the font, such as StrikeThrough. Applies to the AxisLabel, AxisTitle, Legend, and Title elements. To view the values you can use, click the Font Effect property in Siebel Tools.
Font Name **(O)**	Specifies the font name that Siebel CRM uses for the element text. Applies to the Axis Label, Axis Title, and Title elements.
Font Size **(O)**	Specifies the font size that Siebel CRM uses for the element text. Applies to the Axis Label, Axis Title, and Title elements. Siebel CRM does the following: • If the chart is minimized, and if the screen resolution is 1024 by 768 or higher, then it applies this font size. • If the chart is maximized, then it uses a larger font. • If the screen resolution is lower, then it uses a smaller font.
Font Style **(O)(H)**	Specifies the font style that Siebel CRM uses for the element text, such as Bold. Applies to the AxisLabel, AxisTitle, Legend, and Title elements. To view the values you can use, click the Font Style property in Siebel Tools.
Graphic Type **(O)**	Specifies the type of graphic element that Siebel CRM draws. The Coordinates property specifies the graphic geometry. Applies to the Graphic element. To view the values you can use, click the Graphic Type property in Siebel Tools. If you set the Type property of the chart element to Graphic, then you must set the Graphic Type property.
Line Style **(O)**	Specifies the line style that Siebel CRM uses for a Graphic or AxisLineGrid element. Applies to the AxisLineGrid and Graphic elements. Siebel CRM applies this property only if the Line Width property is 0 or is empty. To view the values you can use, click the Line Style property in Siebel Tools.
Line Width **(O)**	Specifies the line thickness that Siebel CRM uses. Applies to the AxisLineGrid and Graphic elements. You can use any positive number. The default value is 0, which is a thin line.
List Of Values **(O)**	Specifies the list of possible values for the x-axis, y-axis, or z-axis that the Axis Id property specifies. Applies to the AxisLabel element. This property allows the user to specify values that Siebel CRM does not display, such as 0 or an empty value. If you apply this property to the y-axis, then Siebel CRM displays string values on the y-axis instead of numeric values. If you specify a list of values on the AxisLabel label for the X axis, then Siebel CRM displays every value that this list contains even if the returned value in the Y axis is 0 or empty. It displays these values on the X axis. By default, if the value is empty, then Siebel CRM uses only the corresponding field values that the current business component contains for a given axis. This property uses the following format:

Property	Description

	`business_component,field_name, search_specification,sort_specification`
	
	where:
	• *business_component* identifies the name of the business component that the current business object references.
	• *field_name* identifies the business component field that Siebel CRM uses to get the values that it displays.
	• *search_specification* specifies the search specification that Siebel CRM uses on the business component.
	• *sort_specification* specifies the sort specification that Siebel CRM uses on the business component.
	For example:
	
	`List Of Values,Value,Type = LEAD_QUALITY,Order By`
	
	For example:
	
	`Sales Cycle Def,Sales Cycle Stage,Sales Stage Order`

Log Base **(O)**	Specifies to use a logarithmic axis instead of a linear axis. Applies to the AxisLabel element. You can use any positive number. For example: • If the value of the LogBase property is 10, then the axis displays 1, 10, 100, 1000, 10000, and so on. • if the value of the LogBase property is 2, then the axis displays 1, 2, 4, 8, 16, 32, 64, and so on.
Name **(R)**	Specifies the name for the chart element. This name must be unique in the chart object.
Show Category Legend **(O)**	Specifies to display a legend for the axis that the Axis Id property specifies. Siebel CRM applies this property only to the x-axis and z-axis for the AxisLabel element. If the x-axis labels are long, or if a large number of labels exist, then the labels might overlap. You can use one of the following values: • **TRUE.** Display the entire x-axis group label on the x-axis. • **FALSE.** Do not display the entire x-axis group label on the x-axis. By default, if Siebel CRM displays more than one group on the x-axis legend, then it displays only the first three letters of each x-axis group.
Sort Specification **(O)**	Specifies the sort operation that Siebel CRM performs on the axis that the Axis Id property identifies. Applies to the x-axis, y-axis, or z-axis of the AxisLabel element. This property uses the following format: `order,field_name` where: • *order* is Ascending, Descending, or None. • *field_name* identifies the field that Siebel CRM sorts according to a column other than the category or series. For example, the following setting configures Siebel CRM to sort the Sales Stage Order field in ascending order:

Property	Description
	`Ascending,Sales Stage Order` For the y-axis, Siebel CRM sorts the x-axis labels according to y-axis numeric values. If you specify a sort specification for the y-axis, then you cannot specify a sort specification for the x-axis. If the List Of Values property contains a value, then Siebel CRM ignores the Sort Specification property.
Text **(O)**	Specifies the text that Siebel CRM displays for the AxisTitle, Legend, Title, or HorizLine element.
Type **(O)**	Specifies the type of chart element. Applies to all elements. To view the values you can use, click the Type property in Siebel Tools.
Vertical **(O)**	Specifies to display labels vertically on the x-axis. Applies to the AxisLabel element. Note the following: • If the x-axis contains less than five labels, then Siebel CRM ignores the Vertical property and displays all labels horizontally. • If a long label exists, then Siebel CRM moves the chart upward. • If the monitor is a low resolution, then space is limited. • Siebel CRM cannot display all fonts vertically. • The Vertical property does not apply to a Period chart. You can use one of the following values: • **TRUE.** Display the labels vertically. • **FALSE.** Display the labels horizontally.

Configuring the Coordinates Property of a Chart Element

The Coordinates property of a chart element specifies coordinates for the Graphic and AxisLabel elements. This property is required for the following items:

- Graphic elements
- X-axis labels in a scatter chart
- X-axis and z-axis labels in a histogram chart

Rectangle, Ellipse, and Line apply only to the scatter chart. HorizLine and HorizArea apply to all charts.

A histogram chart requires the following items:

- Coordinates for the axes that the user categorizes
- A value in the Divisions property.

The value you enter depends on the following type of element you specify:

- **AxisLabel.** You specify the minimum and maximum values for the Axis Id. You enter two numbers that specify the following coordinates:
  - Minimum value
  - Maximum value

  For example:

```
0 1000000
```

This example sets a range that includes 0 through 1 million.

- **Rectangle, Line, or Ellipse.** You enter four numbers that specify the following coordinates:
  - Left
  - Bottom
  - Top
  - Right
- For example:

```
60 1000 80 3000
```

This example sets the coordinates so that the left side of the element occurs at coordinate 60, the bottom at coordinate 1000, the top at coordinate 80, and the right side at coordinate 3000.

- **HorizArea.** You enter four numbers that specify the following coordinates:
  - minYaxisValue
  - maxYaxisValue

```
20 50
```

This example configures Siebel CRM to draw the horizontal area between y coordinate 20 and y coordinate 50.

- **HorizLine.** You enter one number that specifies the YaxisValue. For example:

```
40000
```

This example configures Siebel CRM to draw a horizontal line at a y coordinate of 40000.

Properties That Siebel CRM Uses for Different Types of Chart Elements

The following table describes the properties that Siebel CRM uses for different types of chart elements.

Type of Chart Element	Properties
Axis Label	Siebel CRM uses the following properties: • Axis Id • Color • Coordinates • Display Format • Divisions • Font Effect • Font Name • Font Size • Font Style

Type of Chart Element	Properties
	• List Of Values • Log Base • Show Category Legend • Sort Specification • Vertical
Axis Line Grid	Siebel CRM uses the following properties: • Axis Id • Color • Line Style • Line Width You cannot configure the AxisLineGrid element.
Axis Title	Siebel CRM uses the following properties: • Axis Id • Color • Font Effects • Font Name • Font Size • Font Style • Text
Graphic	Siebel CRM uses the following properties: • Color • Coordinates • Graphic Type • Line Style • Line Width • Text
Legend	Siebel CRM uses the following properties: • Color • Font Effect • Font Name • Font Size • Font Style You cannot configure the Font Name property or the Font Size property.
Plot	Siebel CRM uses the following properties:

Type of Chart Element	Properties
	• Color Siebel CRM release 7.x does not support the Plot chart element.
Title	Siebel CRM uses the following properties: • Color • Font Effect • Font Name • Font Size • Font Style • Text

Chart Element Locale

A chart defines language overrides that Siebel CRM uses with a chart element.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Chart* > *Chart Element* > Chart Element Locale**

The following table describes properties that Siebel CRM uses with a chart element locale.

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**
Text **(O)**	Specifies the name of the chart element that Siebel CRM displays in the client for a language.

Chart Locale

A chart locale defines language overrides that Siebel CRM uses with a chart.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Chart* > Chart Locale**

The following table describes properties that Siebel CRM uses with a chart locale.

Property	Description
Category Captions **(O)**	Specifies the caption for the x-axis for a language.

Property	Description
Data Point Captions **(O)**	Specifies the caption for the y-axis for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: `ENU`
Picklist Function Captions **(O)**	Specifies the captions for the list of functions that Siebel CRM displays for the y-axis label for a language.
Picklist Period Captions **(O)**	Specifies the captions for the list of time periods that Siebel CRM displays for the x-axis label for a language.
Picklist Type Captions **(O)**	Specifies the captions for the types of charts for a language.
Series Captions **(O)**	Specifies the caption for the z-axis for a language.

Control

A control defines an element in an applet, such as a text box, check box, or button. You can add user properties to a control.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Applet > Control`

The following table describes properties for the control object. For more information about controls, see the topic on field data types in *Configuring Siebel Business Applications* . For information about user properties, see *Siebel Developer's Reference* .

Property	Description
ActiveX Bind Property **(O)(H)**	Specifies the name of a property of an ActiveX control. To bind a field to an ActiveX control, you must also specify the name of this field in the Field property of this control object. This field must reside in the business component that the applet references. Siebel CRM does the following: • If Siebel CRM modifies the property value of the ActiveX control, then it saves this value in this field in the current business component record. • If Siebel CRM modifies the field value, then it saves this value in the property of the ActiveX control. This property applies to an ActiveX control.
ActiveX Properties **(O)(H)**	Includes a compressed version of the ActiveX properties for this control. You do not edit this property. Siebel CRM automatically sets the value that this property contains. To determine this value, it uses values of the ActiveX properties in the Properties window or values of the properties in the property window for the control.

Property	Description
	This property applies to an ActiveX control.
Automatic Horizontal Scroll **(O)(H)**	Enables automatic horizontal scroll. If set to TRUE, and if: • The user types a character at the end of the line, then Siebel CRM automatically scrolls text to the right by ten characters. • The user presses Enter, then Siebel CRM automatically scrolls all text back to position 0. This property applies only to a TextBox control.
Automatic Vertical Scroll **(O)(H)**	Enables automatic vertical scroll. If set to TRUE, and if the user presses the ENTER key on the last line, then Siebel CRM automatically scrolls text up one page. This property applies only to a TextBox control.
Background Color **(O)(H)**	Specifies a space-separated RGB (red, green, blue) value. You can set the value of the Background Color property to for a Label, Image, or PushButton control to one of the following values: • **Transparent.** Makes the control transparent. • **A value other than Transparent.** Makes these controls opaque. Siebel CRM only sets the area under the caption to the color that the Background Color property specifies for a Group control. This property applies to the following types of controls: • Textbox • Label • PushButton • ComboBox • Group
Bitmap **(O)(H)**	Specifies a bitmap from the Control Icons bitmap category that Siebel CRM uses for the image control. This value applies to static image controls that do not reference a field in the current record. This property applies to an Image control.
Caption **(O)**	Specifies headers for list applet columns, field prompts, and link names. You can set this property to a bitmap that resides in the Button Icons bitmap category. For a list applet, Siebel CRM uses the value that the Caption control property contains in the following ways: • To create the sortable list header. The ListHeader property of the `swe:control` tag determines this header. • To determine a field prompt. The DisplayName property of the `swe:control` tag determines this prompt. If a control calls a method, then Siebel CRM uses the value in the Caption property as the link name or button label. The FormattedHtml property of the `swe:control` tag determines this name or label.
Class **(O)**	Specifies the name of the C++ class that this control references. This property applies only to a Java control or an ActiveX control.

Property	Description
Content Fixup Name **(O)**	Specifies a name that determines how Siebel CRM fixes links and images in the HTML page: • The Siebel Server for a Siebel CRM application. Siebel CRM fixes links and images. • The client browser fixes links and images. For more information, see *Siebel Portal Framework Guide* .
Default Button **(O)(H)**	Not used. This property applies only to a PushButton control.
Detail Applet **(O)**	Specifies the name of the pop-up applet that Siebel CRM uses to display data from fields in the business component. This property applies only to a TextBox control or a PushButton control.
Display Format **(O)**	Specifies the format that Siebel CRM uses to display data for this control. This property applies only to a TextBox control.
Field **(O)**	Specifies the business component field or applet message that provides the data that this control displays. This property applies to the following types of controls: • TextBox • CheckBox • ImageControl
Field Retrieval Type **(O)**	Specifies the type of field data. You can use one of the following values: • **Field Data.** Rich content HTML. • **Service.** • **Symbolic URL.** Specially constructed URL that integrates data from the Siebel database and the external content service. • **URL.** Standard reference to a Web page. • **Empty.** Siebel CRM encloses the field value with a `SPAN` tag. • **HTML Attachment.** Obsolete. Do not use.
Field Type **(O)**	Specifies to display data from a business component field or an applet message. Siebel Tools automatically sets this property when you set the Field property.
Foreground Color **(O)(H)**	Specifies an RGB value. You use an empty space to separate each number in this value. This property applies to the following types of controls: • Textbox • Label • PushButton • CheckBox • ComboBox • Group
Group **(O)(H)**	Not used.

Property	Description
Height - Language Override **(O)(H)**	Specifies the height of the control in pixels if a language or locale is active.
Height **(O)(H)**	Specifies the height of the control in pixels. You can set this property to a number that is greater than or equal to 0. The default value is 10. This property applies to all controls.
HTML Attributes **(O)**	Specifies to add HTML tag attributes to the HTML tags that the client creates when it displays the control. For example, If you set the HTML Attributes property to `size=30` for a text box, then the client creates the following tag: `<input type = text size=30 . . .>`
HTML Bitmap **(O)**	Specifies a Bitmap object that resides in the HTML Control Icons bitmap category. If the HTML Disabled Bitmap property is: • **Empty.** Siebel CRM uses the image that the HTML Bitmap property references. • **Not empty.** Siebel CRM uses the image that the HTML Bitmap property references only if the control is in an enabled state.
HTML Default Control **(O)(H)**	Not used.
HTML Disabled Bitmap **(O)**	Specifies the image to use instead of the image that the HTML Bitmap property references if the control is in a disabled state.
HTML Display Mode **(O)**	Specifies how to display the field value. To support an applet message, you must set this property to FormatData. This configuration allows Siebel CRM to use newlines and spaces in the applet message. You can use one of the following values: • **EncodeData**. Siebel CRM encodes any HTML reserved characters that the field value contains before it displays these characters. Each of the following symbols is an example of an HTML reserved character: o < (less than symbol) o > (greater than symbol) o & (ampersand) o and so on It is recommended that you set the HTML Display Mode to EncodeData for security purposes. For more information about setting this property, see *Siebel Security Guide* . • **FormatData**. Siebel CRM formats text that the user enters. For example, assume the user enters text that includes new lines and tabs in the description field of a service request. Assume you set the HTML Display Mode property to one of the following values: o **FormatData.** Siebel CRM formats the text that the user enters in HTML so that it uses the same format that the user enters. o **Not set to FormatData.** Siebel CRM does not format the text that the user enters. It displays the entire text string that the user enters on one line.
HTML Height **(O)**	Specifies the height of the control in pixels.

Property	Description
	You typically do not modify this property manually. Siebel Tools sets it automatically if you edit an applet layout in a Siebel Tools layout editor. If you use a TextArea field that spans multiple fields, then to accommodate the buffer between the fields of a grid form, it might be necessary for you to add 2 pixels for each row. For example, consider the TextArea field that the Description control of the Service Request Detail Applet references. This field spans three rows of single-row fields. To align the end of this field with other fields, such as Home Phone#, you must increase the value in the HTML Height property an additional 2 pixels for every row of fields that the TextArea field spans, not including the first row. In this situation, the Description control spans three rows of fields. You increase the HTML Height property to 2 rows multiplied by 2 pixels for a total of 4 pixels. You modify the original HTML Height of 72 pixels to 76 pixels. This property applies to the following types of controls: • Java applet • ActiveX • Input type controls
HTML Height - Language Override **(O)**	Specifies the height of the control in pixels if a language or locale is active.
HTML Icon Map **(O)**	Specifies to map field values to icons as defined in the icon map.
HTML Max Chars Displayed **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a control. This property applies only if the parent applet is in Base mode or if the control is read-only. It does not limit the number of characters that the user can enter into a text control in edit mode.
HTML Max Chars Displayed - Language Override **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a control if a language or locale is active.
HTML Only **(O)**	Specifies to use the control only in the Siebel Web Client. You can use one of the following values: • **TRUE.** Use this control only in the Siebel Web Client. • **FALSE.** Use this control in any client.
HTML Row Sensitive **(O)**	Specifies to position the applet. You can use one of the following values: • **TRUE.** Position the applet on the current record before calling the method that the Method Invoked property references. • **FALSE.** Do not position the applet. The following methods are examples that require you to set the HTML Row Sensitive property to TRUE: • EditRecord • DeleteRecord • Drilldown
HTML Sequence **(O)**	Specifies the order that Siebel CRM uses to position this control relative to other controls that it displays in the applet in the Siebel Web Client.
HTML Sequence - Language Override **(O)**	Specifies the HTML sequence if a language or locale is active.

Property	Description
HTML Type **(O)**	Specifies how to display the control. If the HTML Type property is empty, then Siebel CRM uses the Type property. If your configuration requires an applet message, then you must set this property to Plain Text so that Siebel CRM wraps long text in the applet message.
HTML Width **(O)**	Specifies the width of the control in pixels in the Siebel Web Client. The maximum value is 2048. This property applies to the following types of controls: • Java applet • ActiveX • Input type controls
HTML Width - Language Override **(O)**	Specifies the HTML width if a language or locale is active.
Left - Language Override **(O)(H)**	Specifies the left coordinate of a control if a language or locale is active.
Left **(O)(H)**	Specifies the left coordinate of this control in pixels. This property applies to all controls. You can enter a number that is greater than or equal to 0.
Left Text **(O)(H)**	If this property is TRUE, then Siebel CRM places text before the control. This property applies only to a CheckBox control.
MethodInvoked **(O)**	Specifies the method that Siebel CRM calls if the user clicks a button control. If the control type is not PushButton, then Siebel CRM ignores this property. The method that is available for a button control depends on the class that the applet references and the class that the business component references. The following methods are available for the CSSFrameList applet class and the CSSFrame applet class: • NewRecord • DeleteRecord • CopyRecord • UndoRecord You must use other methods only with caution. For more information, see *Configuring the MethodInvoked Property of a Control* and *Siebel Developer's Reference* . This property applies only to a PushButton control.
Multi Line **(O)(H)**	Specifies a multiple-line TextBox control. You can use one of the following values: • **TRUE.** Allows a multiple-line TextBox. • **FALSE.** Does not allow a multiple-line TextBox. Scrolling depends on the following value of the Automatic Vertical Scroll style: • **TRUE.** Siebel CRM displays the control for as many lines as possible. If the user presses Enter, then it scrolls vertically. • **FALSE.** Siebel CRM displays the control for as many lines as possible. If it cannot display any more lines, and if the user presses the Enter key, then it beeps. If the Automatic Horizontal Scroll

Property	Description
	style is TRUE, and if the cursor goes past the far edge of the control, then multiple-line control automatically scrolls horizontally. To start a new line, the user must press the ENTER key. If Automatic Horizontal Scroll is FALSE, then Siebel CRM automatically wraps the control words to the beginning of the next line, if necessary. If the user presses the ENTER key, then Siebel CRM starts a new line. The window size determines the text position. If the user modifies the window size, then Siebel CRM displays the text again. If a TextBox control: • **Includes scroll bars.** It processes its own scroll bar messages. • **Does not include scroll bars.** It processes any scroll messages that the parent window sends. The default value is single line. This property applies only to a TextBox control.
MVG Applet **(O)**	Specifies the applet that Siebel CRM uses for a pop-up multivalue group if the field that the control references is a multivalue field and if the Runtime property of this control is TRUE. This property applies only to a TextBox control.
Name **(R)**	Specifies the name of the control. This property applies to all controls.
Owner Draw **(O)(H)**	If TRUE, then Siebel CRM displays the bitmap that the Caption property references. It displays this bitmap on the button. This property applies only to a PushButton control.
Pick Applet **(O)**	Specifies the applet that Siebel CRM uses for the pop-up picklist if you specify a picklist for the field that the control references and if the Runtime property of this control is TRUE. This property applies only to a TextBox control.
Prompt **(O)**	Not used. This property applies only to a TextBox control.
Prompt Text **(O)**	For more information, see *Configuring the Prompt Text Property of a Control or List Column*.
Read Only **(O)**	You can use one of the following values: • **TRUE.** The user cannot edit the control. • **FALSE.** The user can edit the control. If the Read Only property of the field that this control references is TRUE, then this control is also read-only even if the Read Only property of this control is FALSE. This property applies only to a TextBox control.
Runtime **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM displays a pop-up button for a picklist, calculator, calendar, or multivalue group at run time. • **FALSE.** Siebel CRM does not display a pop-up button. This property applies only to a TextBox control.

Property	Description
Sequence - Language Override **(O)(H)**	Specifies the order that Siebel CRM uses to display this control relative to other controls in the applet if a language or locale is active.
Sequence **(O)(H)**	Specifies the order that Siebel CRM uses to display this control relative to other controls in the applet. You can use a number that is greater than or equal to 1. This property applies to all controls.
Show Popup **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM opens a new browser window before it calls the method. • **FALSE.** Siebel CRM calls the method in the current browser window. You must not set the Show Popup property to TRUE in the following situations: • A script uses the GotoView application object method. • Siebel CRM uses TheApplication.GotoView. In this situation, it opens the view in a new browser window. The client does not support Multiple Document Interface (MDI). Siebel CRM does not support this configuration.
Sort **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM automatically sorts strings that the user enters in the control. • **FALSE.** Siebel CRM does not automatically sort strings that the user enters in the control. This property applies only to a ComboBox control.
Tab Stop **(O)(H)**	You can use one of the following values: • **TRUE.** Allow the user to use the TAB key to navigate to the next control that the Sequence property specifies. • **FALSE.** Do not allow the user to use the TAB key. This property applies to all controls.
Target View Frame **(O)**	Specifies the HTML page that Siebel CRM loads into the frame if the user clicks a control that calls a method. You can use one of the following values: • **Self.** Open the frame that contains the applet control. • **Blank.** Open a new full feature window. • **Others.** Open some other frame. This property applies to a Siebel Web Client control.
Text Alignment **(O)**	Specifies how to align the text in the control. To view the values you can use, click the Text Alignment property in Siebel Tools. This property applies only to a TextBox control or a Label control.
Text Alignment - Language Override **(O)**	Specifies how to align the text in the control if a language or locale is active. For more information, see the description for the Text-Alignment Label property.

Property	Description
Text Alignment-Label - Language Override **(O)**	Specifies how to align the text of a control label on a form applet if a language or locale is active. This alignment occurs automatically for a locale that the user reads from right to left, such as Japanese.
Text Style **(O)(H)**	Specifies the text style that Siebel CRM uses to display this control. The Text Style object type determines the font type and font style. For more information, see *Text Style (H)*. This property applies to the following types of controls: • CheckBox • ComboBox • Group • Label • PushButton • TextBox
Text-Alignment Label **(O)**	Specifies how to align the text of a control label on a form applet. To view the values you can use, click the Text-Alignment Label property in Siebel Tools. For example, a field and a field label in a grid form applet are separate applet web template items that each reference the same control. To place a label before a field, you do the following: • Set the Text-Alignment Label property for the control that includes the label text to Right. • Set the Text-Alignment Label property for the control that includes the field text to Left.
Tooltip Text **(O)(H)**	Obsolete. Do not use. This property applies to a Button control.
Top - Language Override **(O)(H)**	Specifies the order that Siebel CRM uses to display controls if a language or locale is active.
Top **(O)(H)**	Specifies the top coordinate of this control in pixels. The top coordinate of the applet is 0. You can specify a number that is greater than or equal to 0. This property applies to all controls.
Type **(O)(H)**	Specifies the control type. To view the values you can use, click the Type property in Siebel Tools. This property applies to all controls.
Vertical Scroll **(O)(H)**	You can use one of the following values: • **TRUE.** Siebel CRM displays a vertical scroll bar in the control. • **FALSE.** Siebel CRM does not display a vertical scroll bar in the control. This property applies only to a ComboBox control or a TextBox control.
Visible **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM displays the control in the client. • **FALSE.** Siebel CRM does not display the control in the client. This property applies to all controls.
Visible - Language Override **(O)**	You can use one of the following values:

Property	Description
	• **TRUE.** Siebel CRM displays the control in the client if it uses the language that you specify as the language override. • **FALSE.** Siebel CRM does not display the control in the client.
Want Return **(O)(H)**	If the user presses the ENTER key in a multiple-line TextBox control, and if the Want Return property is: • **TRUE.** Siebel CRM inserts a carriage return. • **FALSE.** Siebel CRM performs the same logic it performs if the user clicks the default pushbutton for the applet. This property applies only to a multiple-line TextBox control. It has no effect on a single-line TextBox control.
Width - Language Override **(O)(H)**	Specifies the order of controls if a language or locale is active.
Width **(O)(H)**	Specifies the width of the control in pixels. You can specify a number that is greater than or equal to 0. The default value is 40. This property applies to all controls.

Configuring the MethodInvoked Property of a Control

Siebel CRM does the following in an HTML client according to the value of the MethodInvoked property:

1. The user clicks a button.
2. The MethodName property of control that this button references control calls an InvokeMethod call in the browser applet class. This class runs in the HTML browser.
3. A Browser Script on the applet includes a PreInvokeMethod handler that intercepts the method and handles the PreInvokeMethod event.
4. If Siebel CRM does not handle the InvokeMethod call in the:
    - **Browser applet class.** It does an InvokeMethod call in the server applet class. The client applet class uses this method to call the server applet unless a specialized client applet exists that handles this method in the client. To handle this method, you can use a WebApplet_PreInvokeMethod script in Siebel VB or Siebel eScript.
    - **Server applet class.** It forwards the call to the business component that the applet references. This business component resides on the server. To handle this method, you can use a BusComp_PreInvokeMethod script in Siebel VB or Siebel eScript.
5. If Siebel CRM does not handle the InvokeMethod on the business component that resides on the server, then it returns an error.

Configuring the Prompt Text Property of a Control or List Column

The Prompt Text Property specifies the text that Siebel CRM displays in the status bar of the Browser that displays the client. This property applies only to a form applet or list applet. The Prompt Text field can include a maximum of 250 characters. This maximum value exceeds the space that is available for this text in the Browser status bar. This status bar can display only approximately 127 characters in Internet Explorer version 7.0.

Control Locale

A control locale defines language overrides that Siebel CRM uses with a control.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Control* > Control Locale**

The following table describes properties that Siebel CRM uses with a control locale.

Property	Description
Caption **(O)**	Specifies the as headers for list applets columns, field prompts, and link names.
Height **(O)(H)**	Specifies the height of the control in pixels.
HTML Height **(O)**	Specifies the height of the control in pixels.
HTML Max Chars Displayed **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a control.
HTML Sequence **(O)**	Specifies the (order) position of this control relative to other controls in the applet in the Siebel Web Client. Indicates tab sequence.
HTML Width **(O)**	Specifies the width of the control in pixels in the Siebel Web Client.
Left **(O)(H)**	Specifies the left coordinate of this control in pixels.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**
Prompt Text **(O)**	For more information, see *Configuring the Prompt Text Property of a Control or List Column*.
Sequence **(O)(H)**	Specifies the order that Siebel CRM uses to Sets the (order) position of this control relative to other controls in the applet.
Text Alignment **(O)**	Specifies how to align text in the control. You can use one of the following values: • Left • Center • Right
Text-Alignment Label **(O)**	Specifies the Text-Alignment Label property if a language or locale is active. Siebel CRM associates this property with the Text Alignment Label Language Override property of a control.
Tooltip Text **(O)**	Obsolete. Do not use.
Top **(O)(H)**	Specifies the top coordinate of this control in pixels. The top coordinate of the applet is 0. You can specify a number that is greater than or equal to 0.
Visible **(O)**	You can use one of the following values:

Property	Description
	• **TRUE.** Siebel CRM displays the control in the client. • **FALSE.** Siebel CRM does not display the control in the client.
Width **(O)(H)**	Specifies the width of the control in pixels. You can specify a number that is greater than or equal to 0.

Control User Prop

A control user prop sends a property value to specialized C++ code. Siebel CRM persists the value that you configure for a user property in the Siebel runtime repository. For more information, see *Object Types That You Must Not Modify*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Control* > Control User Prop**

The following table describes properties that Siebel CRM uses with a control user prop.

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

Drilldown Object

A drilldown object allows the user to drill down on a field in a list applet and navigate to another view where Siebel CRM displays more data about the field. To identify a drilldown field in a list, Siebel CRM uses colored, underlined text. For more information about how to configure drilldown on a form applet in Siebel Open UI, see Article ID 539183.1 on My Oracle Support.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > Drilldown Object**

The following table describes properties that Siebel CRM uses with a drilldown object.

Property	Description
Business Component **(O)**	Specifies the destination business component. If this property is empty, then Siebel CRM uses the same business component for the destination business component that it uses for the source business component, although it typically modifies the view. If the destination view must display the same active business components in the same context, and if you do not require Siebel CRM to modify the current query context, then do not specify a value in any of the following properties for this drilldown object:

Property	Description
	• Business Component • Destination Field • Source Field
Destination Field **(O)**	Specifies field in the destination business component. The value that this field contains equals the value that the source field contains in the source business component. If you do not specify a business component, then do not specify a value in the Destination Field property. If the Destination Field property is empty, then it defaults to Id, which is the row ID of the destination business component.
Hyperlink Field **(O)**	Specifies a business component field that the applet references that Siebel CRM uses for the drilldown. This property also determines the field in the list column in the list applet that is blue and underlined. You must enter a value in the Hyperlink Field property. If you do not enter a value, then Siebel CRM does not display a link that the user can click to drill down.
Menu Text **(O)**	Not used.
Name **(R)**	Specifies the name of the drilldown object. This name must be unique among drilldown objects in the applet.
Sequence **(O)**	Specifies a sequence number that Siebel CRM uses in a dynamic drilldown. This number determines the default drilldown object.
Source Field **(O)**	Specifies a business component field that the applet references. This field is the source of the drilldown. Siebel CRM applies the value that this field contains as a search specification to the destination field in the destination business component. Because the user navigates from one view to another view, a new active business component occurs. The following properties establish a relationship from a record in the source business component to the appropriate record or set of records in the destination business component: • Source Field • Business Component • Destination Field If you do not specify a value in the Business Component property for this drilldown object, then do not specify a value in the Source Field property. If the Source Field property is empty, then Siebel CRM drills down to the same row in the destination business component.
View **(O)**	Specifies the view that Siebel CRM displays if the user drills down. If the View property is empty, then: • Siebel CRM continues to display the current view. For example, if the user drills down from an account to a subaccount. • You must specify a value in the Business Component property.
Visibility Type **(O)**	Specifies a visibility type that is different than the default visibility for the destination business component. To view the values you can use, click the Visibility Type property in Siebel Tools.

Property	Description
	You typically set this value to All. This value makes sure that Siebel CRM can display the destination record.

Drilldown Object Locale

A drilldown object locale defines language overrides that Siebel CRM uses with a drilldown object.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Drilldown Object* > Drilldown Object Locale**

The following table describes properties that Siebel CRM uses with a drilldown object locale.

Property	Description
Menu Text **(O)**	Specifies the text that Siebel CRM displays in the right-click shortcut menu for a row for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

List

A list contains information for list applets. For a list applet, there must be one and only one list object definition. If the applet is not a list applet, then there are no list object definitions.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > List**

The following table describes properties that Siebel CRM uses with a list.

Property	Description
Alpha Tab Search Field **(O)(H)**	Specifies the name of the business component field that Siebel CRM uses when it does an alpha tab search. If this property includes a value, then Siebel CRM displays an alphabet tab search bar in the list applet.
Alpha Tab Search Field - Language Override **(O)(H)**	Specifies the alpha tab search field if a language or locale is active.
HTML Hierarchy Bitmap **(O)**	Specifies the name of the HTML hierarchy bitmap. For more information, see *HTML Hierarchy Bitmap*.
HTML Multi Row Edit **(O)**	You can use one of the following values:

Property	Description
	• **TRUE.** Siebel CRM can edit multiple rows without saving each row while in the Edit List mode of the applet. • **FALSE.** Siebel CRM must save each row to the Siebel database before it edits another row.
HTML Multi Row Select **(O)**	You can use one of the following values: • **TRUE.** The user can choose multiple rows in an applet. • **FALSE.** The user cannot choose multiple rows in an applet.
Name **(R)**	Specifies the name in the applet. This value is List.
Total Displayed **(O)**	Not used.
Total Required **(O)**	If TRUE, then Siebel CRM sums and displays at the end of the list the columns whose Total Required property is TRUE. Siebel CRM uses this property only if the applet is a list applet.
Variable Row Height **(O)(H)**	If TRUE, then the list applet supports variable row heights. For example, Notes. A variable row displays the first three lines by default. To display the entire line, the user must set the Text Lines Per Note Row in the List tab of the Options window to 3.

List Column

A list column associates one list column to a list applet. You can add user properties to a list column. For more information about controls, see the topic about field data types in *Configuring Siebel Business Applications* . For information about user properties, see *Siebel Developer's Reference* .

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *List* > List Column**

The following table describes properties that Siebel CRM uses with a list column.

Property	Description
Available **(O)**	If FALSE, then Siebel CRM does not display the list column in the list or in the Columns Displayed dialogue box. For more information, see the description of the Show In List property for this list column.
Available - Language Override **(O)**	Specifies to use this column with a list applet if a language or locale is active.
Bitmap Column Heading **(O)(H)**	You can use one of the following values: • **TRUE.** Display the bitmap specified in the Check Bitmap Identifier property as the list column heading. • **FALSE.** Display the normal name and display name in the list column heading.

Property	Description
	You can use this property only in a Boolean list column that specifies a value for the Check Bitmap Identifier property.
Check Bitmap Identifier **(O)(H)**	Specifies the bitmap that Siebel CRM displays in the TRUE state if this list column is a CheckBox list column.
Content Fixup Name **(O)**	Specifies to use the Siebel Server or the client browser to do fixup. This fixup allows Siebel CRM to display links and images in the HTML page. For more information, see *Siebel Portal Framework Guide* .
Detail Applet **(O)**	Specifies the applet that Siebel CRM uses to display related data for the field that the list column from the same business component specifies.
Display Format **(O)**	Specifies the format mask that Siebel CRM applies to the data. For example: `$#,###,###,###`
Display Name **(O)**	Specifies the value that Siebel CRM uses as the list column heading or the key to the international message table. For example: `Expected Value`
Field **(O)**	Specifies the field that provides the data that the list column displays. For example: `Amount Expected Value`
Field Retrieval Type **(O)**	Specifies that the field data is one of the following: • Rich content HTML data (Field Data) • A predefined reference to a Web page (URL) • A specially created URL that integrates data from the Siebel database and the external content service (Symbolic URL)
HTML Attribute **(O)**	Specifies to add HTML tag attributes to the HTML tags that the client creates to display the list column.
HTML Display Mode **(O)**	Specifies the display mode that Siebel CRM uses with a control that displays a field value. You can use one of the following values: • **EncodeData.** Encode any reserved characters in the markup language that exist in the field data so that it displays correctly. • **FormatData.** Encode any reserved characters in the markup language that exist in the field data so that it displays correctly. Format the field value using the markup language using the same format that the Siebel database uses. For example, if HTML is the markup language, then do the following: o Replace a newline with a `br` tag. o Replace contiguous white space with .
HTML Height **(O)**	Specifies the height of this list column in pixels in the Siebel Web Client.
HTML Height - Language Override **(O)**	Specifies the height of this list column in pixels in the Siebel Web Client if a language or locale is active.

Property	Description
HTML Icon Map **(O)**	Specifies to map field values to icons that the icon map defines. For example: `CHECK`
HTML List Edit **(O)**	You can use one of the following values: **TRUE.** If the applet displays in the Edit List mode, then display this control as a data input control. **FALSE.** Display this control as a read-only control.
HTML Max Chars Displayed **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a list column. This property applies only if the parent applet is in Base mode, or if the list column is read only. It does not limit the number of characters that the user can enter in a text control in edit mode.
HTML Max Chars Displayed - Language Override **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a list column if a language or locale is active.
HTML Only **(O)**	If TRUE, then Siebel CRM uses the control only in the Siebel Web Client.
HTML Row Sensitive **(O)**	Specifies to position the applet on the current record before calling the method that the Method Invoked property specifies. The following methods are examples that require you to set the HTML Row Sensitive property TRUE: • EditRecord • DeleteRecord • Drilldown
HTML Sequence **(O)**	Specifies the position of this list column relative to other list columns that Siebel CRM displays in the applet in the Siebel Web Client.
HTML Sequence - Language Override **(O)**	Specifies the position of this list column relative to other list columns that Siebel CRM displays in the applet in the Siebel Web Client if a language or locale is active.
HTML Type **(O)**	Specifies how to display the list column. If this property is empty, then Siebel CRM uses the value that the Type property specifies.
HTML Width **(O)**	Specifies the width of the list column in pixels in the Siebel Web Client. The maximum value is 2048.
HTML Width - Language Override **(O)**	Specifies the width of the list column in pixels in the Siebel Web Client if a language or locale is active.
MVG Applet **(O)**	Specifies the applet that Siebel CRM uses to display the pop-up multivalue group if the properties of this list column are set as follows: • The Field property references a multivalue field. • The Runtime property is TRUE.
Name **(R)**	Specifies the name of this list column.

Property	Description
Pick Applet **(O)**	Specifies the applet that Siebel CRM uses to display the pop-up picklist if the properties of this list column are set as follows: • The Field property references a multivalue field. • The Runtime property is TRUE. If this list column references a field that contains a static picklist, then Siebel CRM ignores this property. The only exception to this configuration occurs if the Long List property of this picklist is TRUE.
Popup Edit **(O)(H)**	If TRUE, then a text field uses a pop-up edit box.
Prompt Text **(O)**	For more information, see *Configuring the Prompt Text Property of a Control or List Column*.
Read Only **(O)**	If TRUE, then the user cannot edit data. If the Read Only property of the field that the Field property of this list column references is TRUE, then this list column is read-only even if the Read Only property of this list column is FALSE.
Runtime **(O)**	You can use one of the following values: • **TRUE.** Display a pop-up button at run time for a picklist, calculator, calendar, or multivalue group. • **FALSE.** Do not display a pop-up button at run time. Siebel CRM assumes there is no picklist or multivalue group or that the field is a date or time field.
Sequence **(R)(H)**	Specifies the position of this list column in the list. This property can contain only an integer. For more information, see *Configuring the Sequence Property of a List Column to Import Records*.
Sequence - Language Override **(O)(H)**	Specifies the position of this list column in the list if a language or locale is active. This property can contain only an integer.
Show In List **(O)**	If TRUE, then Siebel CRM displays this list column in a list. If the Show In List property is FALSE, and if the Available property of this list column is TRUE, then Siebel CRM does not display list column in the applet unless the user chooses it from the Columns Displayed window.
Show In List - Language Override **(O)**	Specifies the list column that Siebel CRM displays in a list if a language or locale is active.
Show Popup **(O)**	You can use one of the following values: • **TRUE.** Open a new browser window before calling the method. • **FALSE.** Call the method in the same browser window.
Text Alignment **(O)**	Specifies the text alignment of this list column.
Text Alignment - Language Override **(O)**	Specifies the text alignment of the list column if a language locale is active. You can use one of the following values: • Center • Left

Property	Description
	• Right
Text-Alignment Label **(O)**	Specifies to align the text of the list column label on a list applet.
Text Alignment-Label - Language Override **(O)**	Specifies the Text-Alignment Label property for a list column if a language or locale is active. Siebel CRM applies this configuration automatically for a locale that reads right-to-left, such as Japanese. You can use one of the following values: • Center • Left • Right
Total Currency Code Expression **(O)**	Specifies the currency that Siebel CRM uses to display the total value. You can use this property to display the list column total in a converted currency. For example, assume an opportunity that uses dollars as the currency code includes two products. One product is priced with YEN and the other product is priced in USD. To display the list total in these currencies, you set the Total Currency Code Expression to the following value: `Parent: 'Opportunity.Currency Code'`
Total Required **(O)**	You can use one of the following values: • **TRUE.** Create a total value of all the values that this list column displays. You must also set the Total Required property of the list object definition to TRUE. • **FALSE.** Do not create a total value.
Type **(O)(H)**	Specifies the list column type.
Width **(O)(H)**	Specifies the list column width.
Width - Language Override **(O)(H)**	Specifies the list column width if a language or locale is active.

Configuring the Sequence Property of a List Column to Import Records

To import records, you must make sure you set the Sequence property of the list column so that Siebel CRM imports records in the correct order. For example, assume you must configure Siebel CRM so that the user can import service requests. To do this, the user navigates the Service Requests list, clicks Menu, and then clicks Import. To support this requirement, assume you do the following:

- Configure hierarchical pick lists in the Service Request business component on the following fields:
  - **Area.** The Area field constrains the Sub-Area field.
  - **Sub-Area.** The Sub-Area field constrains the SR Type field.
  - **SR Type.**
- Create a custom import object and a list applet that uses the following configuration:
  - Set Input Format to Comma Separated Text File
  - Set Input Source to Auto Mapping

- In the applet, you set the Sequence property to the following:
  - 4 for the Sub-Area list column
  - 1 for the SR Type list column

When the user runs this import, it fails and Siebel CRM enters the following errors in the import log file:

```
Failed to import 'Information' into the field 'SR Type'.

Failed to import 'Information' into the field 'SR Type'.
```

This import fails because the sequence that Siebel CRM uses when it imports these fields is not correct. It attempts to set the SR Type field before it sets the Sub-Area field, but this is not possible because the Sub-Area field constrains the SR Type. Siebel CRM must import the Sub-Area field first, choose a value for it, constrain the SR Type field according to the Sub-Area field, and then import the SR Type field.

To avoid this problem, you must set the Sequence property of the list column in the applet that displays these fields to the following:

- 1 for the Sub-Area list column.
- 4 for the SR Type list column.

List Column Locale

A list column locale defines language overrides that Siebel CRM uses with a list column.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *List* > *List Column* > List Column Locale**

The following table describes properties that Siebel CRM uses with a list column locale.

Property	Description
Available **(O)**	If TRUE, then Siebel CRM can associate this list column with a list applet.
Display Name **(O)**	Specifies a symbolic string that Siebel CRM uses for the list column heading.
HTML Height **(O)**	Specifies the height of this list column in pixels in the Siebel Web Client.
HTML Max Chars Displayed **(O)**	Specifies the maximum number of characters that Siebel CRM displays in a list column.
HTML Sequence **(O)**	Specifies the position of this list column relative to other list columns in the applet in the Siebel Web Client if the list applet is in Edit, Query, or New mode.
HTML Width **(O)**	Specifies the width of the list column in pixels in the Siebel Web Client. The maximum value is 2048.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Property	Description
Prompt Text **(O)**	For more information, see *Configuring the Prompt Text Property of a Control or List Column*.
Sequence **(O)(H)**	Specifies the position of this list column in the list. This property can contain only an integer.
Show In List **(O)**	If TRUE, then Siebel CRM displays this list column in a list.
Text Alignment **(O)**	Specifies the text alignment of the list column.
Text-Alignment Label **(O)**	Specifies the Text-Alignment Label property if a language or locale is active. This property affects the Text Alignment Label Language Override property for this list column.
Width **(O)(H)**	Specifies the width for this list column.

List Column User Prop

A list column user prop sends a property value to specialized C++ code. Siebel CRM persists the value that you configure for a user property in the Siebel runtime repository.

For more information, see *Object Types That You Must Not Modify*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *List* > *List Column* > List Column User Prop**

The following table describes properties that Siebel CRM uses with a list column user prop.

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

List Locale

A list locale defines language overrides that Siebel CRM uses with a list.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *List* > List Locale**

The following table describes properties that Siebel CRM uses with a list locale.

Property	Description
Alpha Tab Search Field **(O)(H)**	Specifies the name of the business component field that Siebel CRM uses when it does an alpha tab search. If this property includes a value, then Siebel CRM displays an alphabet tab search bar in the list applet.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Tree

A tree defines a tree control in a tree applet. To create a view that allows the user to navigate a hierarchal list of records, Siebel CRM uses a tree applet. For example, the explorer view in the Service Requests screen uses a tree applet.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > Tree**

The following table describes properties that Siebel CRM uses with a tree.

Property	Description
HTML Hierarchy Bitmap **(O)**	Specifies the name of the HTML hierarchy bitmap object that Siebel CRM uses to display icons on the tree.
Name **(S)**	Specifies the name of this tree. The name is Tree.

Tree Node

A tree node corresponds to one folder that Siebel CRM displays in a tree applet. It references the following items:

- **Label.** Specifies the source of the text that Siebel CRM displays next to this folder.
- **Applet.** Specifies the name of the applet that Siebel CRM displays in the far half of the view if the user opens the folder.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Tree* > Tree Node**

The following table describes properties that Siebel CRM uses with a tree node.

Property	Description
Applet **(O)**	Specifies the applet that Siebel CRM displays if the user clicks this tree node. This applet is typically a list applet. A list applet is not required. If the Applet property is empty, then Siebel CRM does nothing.

Property	Description
Bitmap Category **(O)(H)**	Not used.
Bitmap Index **(O)(H)**	Specifies an integer that Siebel CRM uses to choose a bitmap for the document symbol as a subset of a multiimage bitmap. Siebel CRM uses this property internally. You must set it to the following value: `5 = document symbol`
Bitmap Index Field **(O)(H)**	Not used.
Business Component **(O)**	Specifies the business component that Siebel CRM uses to populate values in this tree node. You specify the same business component that the applet references. You specify this applet in the Applet property of this tree node.
Display Name **(O)**	Specifies the text that Siebel CRM displays next to the folder that it displays for this tree node.
HTML Closed Bitmap **(O)**	Specifies the bitmap object that defines the properties of a closed folder image. The parent of the bitmap object must be the HTML Tree Icons bitmap category. If the HTML Closed Bitmap property is not empty, then it overrides the Close Bitmap property of the HTML hierarchy bitmap object.
HTML Open Bitmap **(O)**	Specifies the bitmap object that defines the properties of an open folder image. The parent of the bitmap object must be the HTML Tree Icons bitmap category. If the HTML Open Bitmap property is not empty, then it overrides the Open Bitmap property of the HTML hierarchy bitmap object.
Label Field **(O)**	Specifies the name of a business component field that Siebel CRM uses to populate the names of the document object definitions in this tree node.
Max Child Items **(O)**	Specifies an integer that sets a limit on the number of child items that Siebel CRM displays in this tree node.
Name **(R)**	Specifies the name of this tree node. This name must be unique in the tree.
Position **(R)**	Specifies the position where Siebel CRM places this tree node in the tree hierarchy. This value includes integer values separated by periods. For example: `1.2.3.14` where: • 1 is the top level in the hierarchy. • 2 is one level below level 1. • 3 is one level below level 2. • 14 is one level below level 3 and indicates that this tree node is in the 14th position of level 4.
Recursive **(S)**	If TRUE, then this tree node and all the tree nodes below it include the same type of Siebel CRM data. For example, an account can include subaccounts. Each of these subaccounts can include more subaccounts.

Property	Description
Recursive Link **(O)**	Specifies the name of the link that defines the relationship with the business component. You can use it only if the Recursive property of this tree node is TRUE.
Root Search Spec **(O)**	Specifies a string value that determines the list of records at the top level of the tree. You use it primarily for a recursive tree to create a starting point for the tree. For example: `[Parent Account Id] is NULL`
Selected Bitmap Index **(O)(H)**	Specifies an integer that identifies the bitmap in a multiple bitmap file that Siebel CRM displays if the user chooses a record. You must use the following value: `5`
Selected Bitmap Index Field **(O)(H)**	Not used.

Tree Node Locale

A tree node locale defines language overrides that Siebel CRM uses with a tree node.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Tree* > *Tree Node* > Tree Node Locale**

The following table describes properties that Siebel CRM uses with a tree node locale.

Property	Description
Display Name **(O)**	Specifies the text that Siebel CRM displays next to the folder that corresponds to the tree node.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: `ENU`

Application Object Types

This topic describes the Application object type and the object types that are children of this object type. It includes the following topics:

- *Application*
- *Application Browser Script*
- *Application Event Services*
- *Application Find*

- *Application Locale*
- *Application Method Menu Item (H)*
- *Application Method Menu Item Locale (H)*
- *Application Server Script*
- *Application Toolbar (H)*
- *Application User Prop (H)*
- *Page Tab*
- *Page Tab Locale*
- *Screen Menu Item*
- *Screen Menu Item Locale*

Application

An application defines the screens and views that the user can access through menus and page tabs. You must not configure Siebel Tools as an application in the same way that you configure a Siebel CRM application, such as Siebel Sales or Siebel Service. Although the views and applets that Siebel Tools uses do exist in the repository, you must not modify this information.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Application`

The following table describes properties that Siebel CRM uses with an application.

Property	Description
Acknowledgement Web Page **(O)**	Specifies the name of the Web page that Siebel CRM displays after the user logs in. Siebel CRM uses the Acknowledgement Web Page property only if the Acknowledgement Web View property does not contain a value. The Acknowledgement Web Page property or the Acknowledgement Web View property must contain a value.
Acknowledgement Web View **(O)**	Specifies the name of the view that Siebel CRM displays after the user logs in. The Acknowledgement Web Page property or the Acknowledgement Web View property must contain a value.
Company Logo Bitmap **(O)(H)**	Specifies the name of a bitmap object definition in the Company Logos bitmap category.
Container Web Page **(O)**	Specifies the Web page object definition that Siebel CRM uses to display the elements that surround a Siebel view. This page contains typical user interface elements, such as viewbars, screenbars, logos, and so on. All views, pages, and applets use the page that the Container Web Page properties specifies, by default. The Container Page property of a view can override this configuration.
Default Find **(O)**	Specifies the default value for a Find object. If the Default Find property of the Application Find object is True, then Siebel CRM displays this Find object in the Look In drop-down list in the Search Center.

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays on menus and page tabs for an application.
Error Web Page **(O)**	Specifies the error page that Siebel CRM displays if an error occurs. This value must reference a Web Page object type.
Login Web Page **(O)**	Specifies the page that Siebel CRM displays that allows the user to enter a user name and password. This value must reference a Web Page object type.
Logoff Acknowledgement Web Page **(O)**	Specifies the page that Siebel CRM displays after the user logs off. This value must reference a Web Page object type.
Menu **(O)**	Specifies the menu object definition that Siebel CRM uses.
Name **(R)**	Specifies a unique application name.
Scripted **(S)**	Specifies if a Siebel VB or Siebel eScript script is attached to the Application object. It can contain one of the following values: • **TRUE.** Siebel script attached. • **FALSE.** No Siebel script attached.
Sort Web Page **(O)**	Specifies the page that allows the user to choose the fields to sort in a list applet. This value must reference a Web Page object type.
Text Style **(O)(H)**	Specifies the text style that Siebel CRM uses by default for all controls in the application object. It uses this property only if the control, applet, or view do not specify a text style. The configuration file provides the default value for this property.
Task Screen **(O)**	Specifies the screen that allows the user to restart a task UI.

Application Browser Script

An application browser script defines the browser script that an application uses.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > Application Browser Script**

The following table describes properties that Siebel CRM uses with an application browser script.

Property	Description
Browser Group **(O)**	Specifies the browser type that this script supports.

Property	Description
Name **(R)**	Specifies a unique name for this script. To create this value, Siebel Tools automatically combines the values in the User Agent property and the Procedure property. You must not modify this property.
Procedure **(O)**	Specifies the name of the function or the procedure.
Script **(O)**	Specifies the text for the function.

Application Event Services

A application event services defines the application event services that Siebel CRM uses.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > Application Event Services**

The following table describes properties that Siebel CRM uses with an application event services.

Property	Description
Event Name **(R)**	Specifies the name of the application event service. It can include only the following value: **Start**
Method Name **(R)**	Specifies the name of the business service method that Siebel CRM must call. It can include only the following value: **Start**
Name **(R)**	Specifies the event description.
Sequence **(R)**	Specifies the order that Siebel CRM uses to process the services. This property only contain an integer.
Business Service **(R)**	Specifies the name of the business service that Siebel CRM must call.

Application Find

An application find defines the find object definitions that Siebel CRM uses for an application.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > Application Find**

The following table describes properties that Siebel CRM uses with an application find.

Property	Description
Default Find **(O)**	Specifies the default value for a Find object. If the Default Find property of the Application Find object is True, then Siebel CRM displays this Find object in the Look In drop-down list in the Search Center.
Find **(R)**	Specifies the name of the find object definition that Siebel CRM includes in the application object. For example: Contact
Name **(R)**	Same as the Find property.
Sequence **(O)**	Specifies the order that Siebel CRM uses relative to other application find objects that it includes in the Find dialog box. This property can contain only an integer.

Application Locale

An application locale defines language overrides that Siebel CRM uses with an application.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > Application Locale**

The following table describes properties that Siebel CRM uses with an application locale.

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays on menus and page tabs for an application for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Application Method Menu Item (H)

An application method menu item defines the menu for the application object.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > Application Method Menu Item**

The following table describes properties that Siebel CRM uses with an application method menu item.

Property	Description
Menu Text **(R)**	Specifies the text that Siebel CRM displays in the menu item.
Method **(R)**	Specifies the method that the menu item calls.
Name **(R)**	Specifies the name of the application method menu item.
Position **(R)**	Specifies the position of the menu item in the menu tree. For example, the following position identifies the first menu item of the submenu that resides in the third menu item. This third menu item resides in the top-level menu: `3.1`

Application Method Menu Item Locale (H)

An application method menu item locale defines language overrides that Siebel CRM uses with an application method menu item.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > *Application Method Menu Item (H)* > Application Method Menu Item Locale**

The following table describes properties that Siebel CRM uses with an application method menu item locale.

Property	Description
Menu Text **(R)**	Specifies the text that Siebel CRM displays in the menu item for a language.
Name **(O)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: `ENU`

Application Server Script

An application server script defines the Siebel VB and Siebel eScript script that an application object contains. For more information, see *Siebel Object Interfaces Reference* .

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > Application Server Script**

An application server script uses the same properties as an applet script. For more information, see *Applet Script (H)*.

Application Toolbar (H)

An application toolbar associates a toolbar with an application. Different applications can use different toolbars.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Application > Application Toolbar`

The following table describes properties that Siebel CRM uses with an application toolbar.

Property	Description
Name **(R)**	Specifies the name of the application toolbar object definition. This name must be unique in this application.
Sequence **(O)**	Specifies the order that Siebel CRM uses to display this toolbar relative to other toolbars that it displays at the beginning of the main window. This property can contain only an integer.
Toolbar **(R)**	Specifies the name of the toolbar object definition that Siebel CRM uses in an application.

Application User Prop (H)

An application user prop is for Oracle use only.

Page Tab

A page tab defines the screens that the user access through a page tab.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Application > Page Tab`

The following table describes properties that Siebel CRM uses with a page tab.

Property	Description
Bitmap Category **(O)(H)**	Reserved for future use.
Screen **(R)**	Specifies the screen that Siebel CRM displays if the user clicks a page tab. For example: `Accounts Screen`
Sequence **(O)**	Specifies the order that Siebel CRM uses when it displays the page tabs. This property can contain only an integer.

Property	Description
Text **(R)**	Specifies the text or the key to localized text that Siebel CRM displays on the page tab. For example: `Accounts`

Page Tab Locale

A page tab locale defines language overrides that Siebel CRM uses with a page tab.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > *Page Tab* > Page Tab Locale**

The following table describes properties that Siebel CRM uses with a page tab locale.

Property	Description
Name **(R)**	Specifies the abbreviation for the language that Siebel CRM uses. For example: `ENU`
Text **(O)**	Specifies the text or the key to localized text Siebel CRM displays on the page tab.

Screen Menu Item

A screen menu item adds a menu item to a screen menu.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > Screen Menu Item**

The following table describes properties that Siebel CRM uses with a screen menu item.

Property	Description
Screen **(R)**	Specifies the name of the screen that this screen menu item displays. If a screen contains multiple screen views, and if the user clicks a screen menu item, then Siebel CRM expands this screen menu item and then displays screen menu items for each of these views.
Sequence **(O)**	Specifies the order that Siebel CRM uses to display this screen menu item on the Screen menu.
Text **(R)**	Specifies the text label that Siebel CRM uses for this screen menu item. If localized text exists for this screen menu item, then the value in this Text property is a key that identifies the message table that Siebel CRM uses to find the localized text.

Property	Description

Screen Menu Item Locale

A screen menu item locale defines language overrides for a screen menu item.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > *Screen Menu Item* > Screen Menu Item Locale**

The following table describes properties that Siebel CRM uses with a screen menu item locale.

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**
Text **(O)**	Specifies the text that Siebel CRM uses for the screen menu item.

Assignment Attribute Object Types

This topic describes the Assignment Attribute object type and the object types that are children of this object type. It includes the following topics:

- *Assignment Attribute*
- *Assignment Attribute Column*

Assignment Attribute

An assignment attribute does the following:

- Defines an attribute that an assignment criteria can reference.
- Specifies the picklist that Siebel CRM uses in the Values applet in the Assignment Criteria view that an administrator can use in the client to configure an attribute.
- Does not directly specify a database column or a combination of database columns. The child assignment attribute column defines a column mapping.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Application* > Assignment Attribute**

The following table describes properties that Siebel CRM uses with an assignment attribute.

Property	Description
Bounded **(O)**	You can use one of the following values: • **TRUE.** The administrator must choose a value from the picklist. • **FALSE.** The administrator can enter a value that the picklist does not display.
Data Type **(R)**	Specifies the data type for the assignment attribute. You can use one of the following values: • Varchar • Number
Name **(R)**	Specifies the name of the assignment attribute. The value that this property contains must be unique in the repository.
Order By LOV Type **(O)**	Not used.
Pick Field **(O)**	Specifies the name of the field that the administrator can choose from the picklist. You can use one of the following values: • Created • Created By • Id • Updated • Updated By
Picklist **(O)**	Specifies the name of the picklist that provides the values that populate a list column in the Values applet in the Assignment Criteria view.
Translate Pick Field **(O)**	Specifies to save the Language Independent Code in the Siebel database or in the display value for the assignment criteria.
Use Range **(O)**	You can use one of the following values: • **TRUE.** Display a pair of list columns that allows an administrator to specify a range of values for assignment criteria attributes. • **FALSE.** Display a single column that requires the administrator to specify a single value for assignment criteria attributes. For example, the Use Range property of the Revenue assignment attribute is TRUE. It displays two list columns: Revenue Low and Revenue High. It allows the administrator to enter 50000 in the Revenue Low column and 100000 in the Revenue High column to indicate a range of $50,000 through $100,000.

Checking In Assignment Objects

You must check the project that an assignment object references in to the Siebel Server.

Assignment Attribute Column

An assignment attribute column does the following:

- Assigns an assignment attribute to an assignment object and a workflow policy component column. These mappings set up value matching in the assignment object and workflow policy object for criteria that use the parent assignment attribute.
- Maps an assignment object to a workflow policy component column.
- Each assignment attribute column can specify a different assignment object or a different attribute in the same assignment object.

You must check in modifications you make. For more information, see *Checking In Assignment Objects*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Assignment Attribute* > Assignment Attribute Column**

The following table describes properties that Siebel CRM uses with an assignment attribute column.

Property	Description
Assignment Object **(R)**	Specifies an assignment object. Siebel CRM examines the values that this object contains to determine if a match exists with values that the parent assignment attribute contains.
Name **(R)**	Specifies the name of the assignment attribute column. You can use the following format: **assignment_object: workflow_policy_component_column** For example: **Account: Area Code**
Sequence **(R)**	Specifies a unique sequence number for the assignment attribute column. If an assignment attribute contains multiple assignment attribute columns, then Assignment Manager searches for attribute values in the order that you define them in this property. This property can contain only an integer.
Workflow Policy Component **(R)**	Specifies the name of the workflow policy component in the workflow policy object that this assignment attribute column references. For example: **Account**
Workflow Policy Component Column **(R)**	Specifies the name of the workflow policy component column in the workflow policy component that this assignment attribute column references. For example: **Account Area Code**

Property	Description
Workflow Policy Object **(R)**	Specifies the name of the workflow policy object that this assignment attribute column references. For example: `Account`

Assignment Criteria Object Types

This topic describes the Assignment Criteria object type and the object types that are children of this object type. It includes the following topics:

- *Assignment Criteria*
- *Assignment Criteria Attribute*
- *Assignment Criteria Attribute Locale*
- *Assignment Criteria Locale*

Assignment Criteria

An assignment criteria defines an attribute that Siebel CRM uses in an assignment criteria record. Siebel CRM displays assignment criteria in the picklist that it displays if the user clicks in the Criteria list column when the user edits an assignment criteria record in the client.

You must check in modifications you make. For more information, see *Checking In Assignment Objects*.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Assignment Criteria`

The following table describes properties that Siebel CRM uses with an assignment criteria.

Property	Description
Display Flag **(O)**	You can use one of the following values: • **TRUE.** Display the Criteria object in the Assignment Criteria view in the client. • **FALSE.** Do not display the Criteria object in the Assignment Criteria view in the client.
Display Name **(O)**	Specifies the name that Siebel CRM displays for this assignment criteria object in the picklist and in the Criteria list column in the Assignment Criteria applet in the Assignment Criteria view. If Display Name does not contain a value, then Siebel CRM uses the value in the Name property.
Employee Skill **(O)**	You can use one of the following values: • **TRUE.** Display the Assignment Criteria object in the Skill applets in the client. • **FALSE.** Do not display the Assignment Criteria object in the Skill applets in the client.
Name **(R)**	Specifies the name of the assignment criteria.

Property	Description
Team	Specifies Used with dynamic candidates feature. You can use one of the following values: • **TRUE.** Use a column on the team table to calculate assignment criteria. • **FALSE.** Do not use a column on the team table to calculate assignment criteria.
Use Expertise **(O)**	You can use one of the following values: • **TRUE.** Assignment Manager uses the expertise code to match an assignment object to a person. • **FALSE.** Assignment Manager does not use the expertise code to match an assignment object to a person.

Assignment Criteria Attribute

An assignment criteria attribute allows an assignment criteria to include multiple attributes.

You must check in modifications you make. For more information, see *Checking In Assignment Objects*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Assignment Criteria* > Assignment Criteria Attribute**

The following table describes properties that Siebel CRM uses with an assignment criteria attribute.

Property	Description
Assignment Attribute **(R)**	Specifies the assignment attribute that this assignment criteria attribute references.
Display Name **(R)**	Specifies the list column label that Siebel CRM displays for this assignment criteria attribute in the Values list applet. If this property does not include a value, then Siebel CRM uses the name in the list column label.
Display Sequence **(R)**	Specifies the order that Siebel CRM uses to display the list column for this assignment criteria attribute in the list applet relative to other assignment criteria attributes in the assignment item. A lower number places the list column farther to the left.
Display Sequence - Language Override	Allows you to order the list columns in the list applet differently for different languages.
Name **(R)**	Specifies the name of the assignment criteria attribute. This name must be unique in the parent assignment criteria.
Pick Applet **(O)**	Specifies the name of the pick applet that Siebel CRM displays in a picklist. If a picklist is defined, then this picklist allows the user to choose a value in a list column for the assignment attribute.

Property	Description
Store Column **(R)**	Specifies the column in the S_ASGN_RULE_ITEM (assignment rule item) table that contains the value for the assignment criteria attribute. To save assignment criteria attribute values for each assignment criteria, Siebel CRM uses four columns for each of the following data types: • Number • Varchar The Data Type property in the assignment attribute determines this data type. The Store Column property must contain one of the following unique values for each assignment criteria attribute that uses the same data type: • 1 • 2 • 3 • 4

Assignment Criteria Attribute Locale

An assignment criteria attribute locale defines language overrides that Siebel CRM uses with an assignment criteria attribute.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Assignment Criteria* > *Assignment Criteria Attribute* > Assignment Criteria Attribute Locale**

The following table describes properties that Siebel CRM uses with an assignment criteria attribute locale.

Property	Description
Display Name **(R)**	Specifies the list column label that Siebel CRM displays for this assignment criteria attribute in the Values list applet for a language.
Display Sequence	Specifies the order that Siebel CRM uses to display the list column for this assignment criteria attribute in the list applet relative to other assignment criteria attributes in the assignment item. A lower number places the list column farther to the left.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Assignment Criteria Locale

An assignment criteria locale defines language overrides that Siebel CRM uses with an assignment criteria.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Assignment Criteria* > Assignment Criteria Locale**

The following table describes properties that Siebel CRM uses with an assignment criteria locale.

Property	Description
Display Name **(R)**	Specifies the name that Siebel CRM displays for this assignment criteria in the picklist and the Criteria list column in the Assignment Criteria applet in the Assignment Criteria view for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Bitmap Category Object Types

This topic describes the Bitmap Category object type and the object types that are children of this object type. It includes the following topics:

- *Bitmap*
- *Bitmap Category*
- *Bitmap Locale*

Bitmap

A bitmap references a GIF or JPG image file that a button control or another object uses. Each bitmap image in the repository can exist in only one bitmap category.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Bitmap Category* > Bitmap**

The following table describes properties that Siebel CRM uses with a bitmap.

Property	Description
Alt Text **(O)**	Specifies alternative text that Siebel CRM uses instead of the value that the Name property contains.
Data **(S)(H)**	Specifies the bitmap data.
File Name **(O)**	Specifies the file name of the bitmap. As of Siebel CRM 21.2 Update, image files are located here, on the Siebel Application Interface installation: **SIEBEL_AI_ROOT\applicationcontainer_external\siebelwebroot\images**
Height **(S)**	Specifies the height in pixels of the bitmap.

Property	Description
MIME Type **(O)**	Specifies the MIME type of the file contents.
Name **(R)**	Specifies the name of the bitmap object definition.
Transparent Color **(O)(H)**	Specifies to use 1-bit transparency support for logos, toolbars, buttons, and similar bitmap object definitions. If the user sets a custom background color, then this configuration allows Siebel CRM to use this background color so that a toolbar button or applet button that displays over this background is visible. The color you choose or enter in the Transparent Color property specifies the color that Siebel CRM uses as a substitute for a Clear color. You can enter it as a triplet of integers. You can also click the Transparent Color button during a bitmap import and then use the color selection dialog box that Siebel Tools displays.
Width **(S)**	Specifies the width in pixels of the bitmap.

Bitmap Category

A bitmap category allows Siebel CRM to group bitmaps according to function or some other relationship. You can use some predefined bitmap categories only for a specific purpose. For example, the Background Bitmap property of an applet references the Applet Backgrounds bitmap category for the bitmap file.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Bitmap Category`

The following table describes properties that Siebel CRM uses with a bitmap category.

Property	Description
Name **(R)**	Specifies the name of the bitmap category.
Predefined **(O)(H)**	You can use one of the following values: **TRUE.** A predefined bitmap category that typically contains a bitmap file that you or Oracle provides. You can add or remove a bitmap file from a predefined category. You cannot delete or rename the object definition for a bitmap category. **FALSE.** A bitmap category that you provide. You can create, delete, or modify the object definition of the bitmap category. This bitmap is typically a view bar logo that uses the Logo.bmp name. You provide the bitmap category name and reference it in the Bitmap Category property of the view.

Bitmap Locale

A bitmap locale defines a language override that Siebel CRM uses with a bitmap.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Bitmap* > Bitmap Locale**

The following table describes properties that Siebel CRM uses with a bitmap locale.

Property	Description
Alt Text **(O)**	Alternative text that Siebel CRM uses instead of the parent name property for a bitmap for a language.
Name **(R)**	The abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Business Component Object Types

This topic describes the Business Component object type and the object types that are children of this object type. It includes the following topics:

- *BusComp Browser Script*
- *BusComp Server Script*
- *BusComp View Mode*
- *Business Component*
- *Business Component User Prop*
- *Field*
- *Field Locale*
- *Field User Prop*
- *Join*
- *Join Constraint*
- *Join Specification*
- *Multi Value Field*
- *Multi Value Link*
- *MVF Pick Map*
- *MVF Pick Map UpdOnlyIfNull*
- *Pick Map*
- *Pick Map UpdOnlyIfNull*
- *Single Value Field*

- *SVF Pick Map*
- *SVF Pick Map UpdOnlyIfNull*

BusComp Browser Script

A buscomp browser script defines the browser script that a business component uses.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > BusComp Browser Script**

The following table describes properties that Siebel CRM uses with a buscomp browser script.

Property	Description
Browser Group **(O)**	Not used.
Name **(R)**	Specifies a unique name for the script. To define this property, Siebel Tools automatically combines the Browser Group and Procedure properties. You must not modify this property.
Procedure **(O)**	Specifies the name of the function or the procedure.
Script **(R)**	The text for the script.

BusComp Server Script

A buscomp server script defines Siebel VB or Siebel eScript script for a business component. For more information, see *Siebel Object Interfaces Reference* .

Starting with Siebel CRM version 7.0, buscomp server scripts replace business component scripts.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > BusComp Server Script**

A buscomp server script uses the same properties as a applet script. For more information, see *Applet Script (H)*.

BusComp View Mode

A buscomp view mode defines access control for a business component in a view.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > BusComp View Mode**

The following table describes properties that Siebel CRM uses with a buscomp view mode.

Property	Description
Name **(R)**	Specifies the view mode name. To examine the values you can use, you can click this Name property in Siebel Tools.
Owner Type **(R)**	Specifies the owner of the records in the current view mode. For example, if the user chooses My Opportunities, then the position is the owner of the opportunities that Siebel CRM displays. To examine the values you can use, you can click this Owner Type property in Siebel Tools. For more information about using the Owner Type property, see the topic about business component view mode fields in *Siebel Security Guide* .
Private Field **(O)**	Specifies the name of a field that indicates private or public access to a record. This field is typically named Private or Private Flag. This property allows Siebel CRM to display private predefined queries that a user creates and public queries that an administrator creates. It can display these queries in the same list. The field that the Private Field property references contains a TRUE or FALSE value that indicates if the record is private. This value determines the following visibility: • **Private.** Only the record owner can view this record. • **Not private.** All users can view this record.
Visibility Field **(O)**	Specifies the field that Siebel CRM uses to establish single-owner visibility. This field identifies the record ID of a record that the business component contains.
Visibility MVField **(O)**	Specifies the name of the multivalue field that Siebel CRM uses to maintain the list of owners that it displays in team visibility. This field typically references the Name property in the business component. Siebel CRM uses this property with the Visibility MVLink property. To examine the values you can use, you can click this Visibility MVField property in Siebel Tools.
Visibility MVLink **(O)**	Specifies the name of the multivalue link that Siebel CRM uses to maintain the list of owners that it displays in team visibility. Siebel CRM uses this property with the Visibility MVField property. To examine the values you can use, you can click this Visibility MVLink property in Siebel Tools.

Business Component

A business component defines a logical entity that organizes columns from one or more tables into a single entity. It provides a foundation that controls how Siebel CRM chooses, inserts, and updates data in underlying tables. This data is typically specific to a functional area, such as a product, a contact, or an account. An applet references a business component. It does not directly reference the tables. This configuration allows you to reference data according to functional area. It might also separate work that a developer performs from work that an administrator performs.

A virtual business component defines external data. For more information, see *Properties of the Field Object Type That Siebel CRM Supports for a Virtual Business Component*.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Business Component`

The following table describes properties that Siebel CRM uses with a business component.

Property	Description
Browser Class **(O)(H)**	Not used.
Cache Data **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM does the following: o If a query runs more than one time on a business component, and if each query uses the same search specification, the Siebel CRM reads business component data only one time for all of these queries. o If a query runs more than one time on a business component, and if each query uses a different search specification, then Siebel CRM reads data for each query. • **FALSE.** Siebel CRM reads business component data for each query. For more information, see *Configuring the Cache Data Property of a Business Component*.
Class **(R)**	Specifies the name of the class that determines the configuration of the business component. For example, you can use the following value: `CSSBcVAbsResult`
Data Source **(O)**	Allows a business component to use a different name for the configuration file that identifies the data source. This name is different from the name that the Siebel CRM application currently uses. Server or Local are examples of a data source. This configuration allows a business component to get data from a database other than the typical SQL database. If a business component specifies a data source, then all the tables it implicitly and explicitly joins must reside in the same data source. If the Data Source property is empty, then Siebel CRM uses the same data source that it uses to start the Siebel CRM application.
Dirty Reads **(O)**	You can use one of the following values: • **TRUE.** The business component supports database dirty reads. • **FALSE.** The business component does not support database dirty reads. Siebel CRM uses this property only if it use a Sybase database. If Siebel CRM does not use a Sybase database, then it ignores this property. It is recommended that you modify the default setting of TRUE for this property only to support workflow processes or Enterprise Application Integration (EAI). If TRUE, then the user can read data that can be modified without their knowledge. This configuration might be desirable in a situation where the data is available for reading and anybody can update it. If dirty reads are not allowed, then nobody can update the data until everybody finishes displaying this data. If dirty reads are allowed, and if another user does not modify the same record since Siebel CRM last queried this record, then it updates data immediately. For example, if user A updates a record, and if user B is not aware of this update and then attempts to update the same record, then Siebel CRM displays a message to user B that states that the data was updated and the user must requery.
Distinct **(O)**	You can use one of the following values:

Property	Description
	• **TRUE.** Siebel CRM suppresses system fields. Allows the equivalent of a distinct query because it suppresses system fields, such as Created, Updated, Id, and so. • **FALSE.**Siebel CRM does not suppress system fields.
Enclosure Id Field **(O)**	Specifies the ID of a recipient of literature, typically the contact ID.
Extension Type **(O)**	You can use one of the following values: • **JOIN.** Siebel CRM joins the extension table and gets the extended data and the other data that it requires. • **LINK.** Siebel CRM uses a separate SQL statement that gets extended data. It uses this property with a Sybase database server because Sybase uses a 2 KB record length limit. If the Extension Type property is empty, and if Siebel CRM: • **Uses Sybase.** This property defaults to LINK. • **Does not use Sybase.** This property defaults to JOIN.
Force Active **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM gets all fields from the server database. This configuration degrades business component performance. It is not recommended. • **FALSE.** Siebel CRM gets only the fields that the client registers or that a specialized business component requests. This configuration improves performance.
GenReassignAct **(O)**	You can use one of the following values: • **TRUE.** If the business component uses a multivalue group for visibility, and if Siebel CRM modifies the primary team member, then it creates an activity. • **FALSE.** Siebel CRM does not create an activity.
Hierarchy Parent Field **(O)**	Specifies the field that contains the parent data in a hierarchy. It allows Siebel CRM to display nesting in a hierarchical list applet.
Insert Update All Columns **(S)**	Used internally to make each SQL INSERT or UPDATE statement include a column. This configuration allows Siebel CRM to reuse parsed statements more effectively during batch processing. You must not modify this value.
Log Changes **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM enables logging. • **FALSE.** Siebel CRM disables logging. **CAUTION:** Siebel CRM sets this property to TRUE, by default. You must not modify it. Any modification you make might adversely affect data integrity.
Maximum Cursor Size **(O)**	Specifies the maximum number of records that Siebel CRM can get from the server database. It applies only to an Oracle or DB2 UDB database. You can use one of the following numbers: • **- 1.** Siebel CRM gets records until it encounters an EOF (end of file) record.

Property	Description
	• **A number greater than 0.** Siebel CRM gets the number of records that you specify. If the Maximum Cursor Size property contains a value, then this value overrides the MaxCursorSize parameter in the configuration file. You can also use this property with a multivalue group business component. For more information, see *Configuring a Multivalue Group Business Component*.
Multi Recipient Select **(S)**	You can use one of the following values: • **TRUE.** Siebel CRM allows the user to choose multiple recipients. • **FALSE.** Siebel CRM does not allow the user to choose multiple recipients. The Service Request business component sets this property.
Name **(R)**	Specifies the name for the business component. This name must be unique among business components. It can include spaces. It cannot include special characters.
No Delete **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM does not allow the user to delete a record in an applet that references this business component. • **FALSE.** Siebel CRM allows the user to delete a record in an applet that references this business component. If the Admin Mode Flag property of the current view is TRUE, then Siebel CRM ignores this property.
No Insert **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM does not allow the user to insert a record in an applet that references this business component. • **FALSE.** Siebel CRM allows the user to insert a record in an applet that references this business component. If the Admin Mode Flag property of the current view is TRUE, then Siebel CRM ignores this property.
No Merge **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM does not allow the user to merge two existing records into a single record in an applet that references this business component. • **FALSE.** Siebel CRM allows the user to merge two existing records into a single record in an applet that references this business component. You must also set the No Delete property to FALSE because merging requires Siebel CRM to delete one of the records that it merges. If the Admin Mode Flag property of the current view is TRUE, then Siebel CRM ignores this property.
No Update **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM does not allow the user to update a record in an applet that references this business component. • **FALSE.** Siebel CRM allows the user to update a record in an applet that references this business component. If the Admin Mode Flag property of the current view is TRUE, then Siebel CRM ignores this property.

Property	Description
Owner Delete **(O)**	You can use one of the following values: • **TRUE.** Only the owner can delete a record. • **FALSE.** Anyone can delete a record. The following visibility determines the owner: • **Team visibility**. The owner is the primary position on the sales team. Team visibility occurs if the Visibility MVLink property and the Visibility MVField property of the BusComp View Mode each includes a value. • **Position visibility.** The owner is the position that the visibility field contains. The Visibility Field property of the BusComp View Mode specifies this field. If a view uses Admin mode, then Siebel CRM disables the Owner Delete property and any user who can access the view can delete the record.
Placeholder **(O)**	Not used.
Popup Visibility Auto All **(O)**	You can use one of the following values: • **TRUE.** Pop-up visibility is All. • **FALSE.** The Popup Visibility Type property determines pop-up visibility.
Popup Visibility Type **(O)**	Specifies the type of pop-up visibility. To view the values you can use, click the Popup Visibility Type property in Siebel Tools. If this property is empty, then Siebel CRM uses the Sales Rep default value.
PreFetch Size **(O)**	Specifies the number of records that Siebel CRM gets from the server database for a business component. If this property includes a value, then it overrides the MaxCursorSize parameter in the configuration file. If you set the PreFetch Size property to the same value that the Maximum Cursor Size property contains, then Siebel CRM does the following: • Reads the number of records that you specify in the PreFetch Size parameter. • Resets the Siebel database cursor so that Siebel CRM can use it for a subsequent query. You can use this property with the Maximum Cursor Size property only with a DB2 UDB database. You can use this property with a multivalue group business component. For more information, see *Configuring a Multivalue Group Business Component*.
Recipient Id Field **(O)**	Specifies the field that references the recipient IDs. This ID is typically the Contact ID. This property specifies the field that references the ID. It does not specify the ID. If the user uses CTRL+L in the Service Request screen to create recipients, and if the Recipient Id Field property of the Service Request business component is empty, then Siebel CRM does not create any recipients.
Reverse Fill Threshold **(O)**	Specifies the maximum number of records that Siebel CRM reads when it runs the first record or the last record request. It does this before the SQL statement that automatically reruns with a reversed sort sequence. The default value is 100.

Property	Description
Scripted **(S)**	Indicates a Siebel VB or Siebel eScript script is attached to the business component: **TRUE.** Script is attached. **FALSE.** No script is attached.
Search Specification **(O)**	Specifies a conditional expression that Siebel CRM uses to restrict the records it gets for this business component. You can enter a maximum of 255 characters in this property.
Sort Specification **(O)**	Specifies the sort expression that Siebel CRM uses to sort the records it gets from the server database. If the business component references any class other than CSSBusComp, then Siebel CRM might disable the sort specification. For performance reasons, the Application Object Manager ignores the sort specification property for the All view mode and the Manager view mode. You cannot define a sort specification on an administrative list. The user can sort records after the first query. To improve performance, Siebel CRM requires the user to filter for a smaller record set. You can enter a maximum of 255 characters in this property. For more information, see *Business Component User Prop*.
Status Field **(O)**	Specifies the name of a field that contains the value that determines the New status for a record. If this field value is: • **TRUE.** The record is new and no user has viewed it. • **FALSE.** A user has viewed the record. You use this property with the visibility properties of the business component, such as the Visibility MVLink property and the Position Visibility Field property.
Synonym Field **(O)**	Specifies the field that contains synonyms for the business component. If this property includes a value, then any bounded picklist that the business component contains searches these synonyms.
Table **(R)**	Specifies the name of the primary SQL table where Siebel CRM gets records for this business component. The table name is case-sensitive. It must use the same format that it uses in the Siebel database. A virtual business component does not use this property.
Type	You can use one of the following values: • **Transient.** Save data only when the task UI commits it. You use this value only with a task UI. • **Non-Transient.** Save data in an underlying table. You use this value with any business component that a task UI does not reference. For more information, see *Siebel Business Process Framework: Task UI Guide* .
Upgrade Ancestor	For more information, see *Common Object Properties*.

Property	Description
XA Attribute Value BusComp **(O)**	Specifies the child business component that contains the attribute values for this business component. This property enables extended dynamic attributes for this business component.
XA Class Id Field **(O)**	Specifies the field that this business component references that contains the class data.

Restrictions on Inserts, Updates, and Deletes

An insert, update, or delete operation affects data in the table that the Table property of a business component references. It does not affect data in a table that a join references.

How Siebel CRM Persists a Business Component Instance

Siebel CRM ends the persistence of a business component instance when the business object instance that references this business component instance ends.

Configuring the Cache Data Property of a Business Component

If Siebel CRM caches data for a business component, and if it modifies the contents of this cache, then this business component might reference obsolete data. This problem might occur in the following situations:

- A user modifies some data through another business component. For example, the user modifies data through a business component that uses a multivalue link.
- Another user modifies data while the user who first modified this data is still connected.

For this reason, it is recommended that you configure Siebel CRM to use caching only with static data, such as a list of values or a product. Do not configure Siebel CRM to use caching with data that the user might modify frequently, such as accounts or opportunities. If you do this, then the client cache might not remain synchronized with data in the server database.

It is recommended that you do not set the Cache Data property of a business component to TRUE and also set the Use Primary Join property of a multi value link to TRUE. If Siebel CRM modifies the primary record of a multivalue group business component in this situation, then it might not update data for the cached parent.

Configuring a Multivalue Group Business Component

You can use the Maximum Cursor Size property and the PreFetch Size property with a multivalue group business component. These properties are available only with a DB2 UDB database. The following items affect the number of rows that Siebel CRM returns for the first operation that a multivalue group business component performs:

- If the multivalue group business component uses aggregation, then it reads every record. The sum function and the count function are examples of aggregation.
- A multivalue group business component attempts to make the primary record the current record. Siebel CRM loads records until it finds the primary record. For example, if the primary record is the 4,000th record, then it loads 4,000 records. To prevent this configuration, you can use a detail view instead of a multivalue group. For example, you can use the Contact - Address detail view with the Contact in the applet at the beginning of the view and a list of addresses in the following applet.

Business Component User Prop

A business component user prop sends a property value to the C++ code that implements specialized business component configuration. If you configure the value for a user property, then Siebel CRM persists this value in the Siebel runtime repository. For more information, see *Object Types That You Must Not Modify*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > Business Component User Prop**

The following table describes properties that Siebel CRM uses with a business component user prop.

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

How a Business Component User Property Might Affect View Modes

Sometimes it might seem that Siebel CRM ignores the All view mode and the Manager view mode in the client. In this situation, the All Mode Sort business component user property might control the configuration for these modes. For more information about this user property, see *Siebel Developer's Reference* . For information about virtual business components, see *Siebel Developer's Reference* or *Overview: Siebel Enterprise Application Integration* .

Field

A field defines a business component field. The fields in a business component record include entries from a single value field or a multi value field. Siebel CRM evaluates required fields in alphabetical order according to the parent business component. For example, assume two required fields named Alpha and Omega exist on an applet and that these fields reference a business component field. Siebel CRM processes Alpha first and then Omega.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > Field**

The following table describes properties that Siebel CRM uses with a field.

Property	Description
Calculated **(O)**	If TRUE, then Siebel CRM gets values from the business component to calculate the field value rather than getting values from the server database.
Calculated Value **(O)**	Specifies the expression Siebel CRM uses to calculate the field value if the Calculated property is TRUE.
Column **(R)**	Specifies the table column name. Other objects that reference this field can reference it through the column name.

Property	Description
	This property is not used or required for the following items: • Calculated fields • Multi-value fields • Fields in a virtual business component The column name is name is case-sensitive. It must use the same format that it uses in the Siebel database.
Currency Code Field **(O)**	Specifies the name of the currency code field that Siebel CRM uses with a DTYPE_CURRENCY data type. The default field name is Currency Code.
Dest Field **(O)**	Specifies a field in the destination business component that is defined in the Multi Value Link field. Siebel CRM uses the Dest Field property only if the Multi Valued property is TRUE If the Multi Valued property is FALSE, the Siebel CRM ignores the Dest Field property.
Disable Search	You can use one of the following values: • **TRUE.** The user cannot use this field to search in the client. • **FALSE.** The user can use this field to search in the client.
Disable Sort	You can use one of the following values: • **TRUE.** The user cannot use this field to sort in the client. • **FALSE.** The user can use this field to sort in the client.
Exchange Date Field **(O)**	Specifies the name of the exchange date field that Siebel CRM uses with a DTYPE_CURRENCY data type. The default field name is Exchange Date.
Force Active **(O)**	If TRUE, then to get the field value, Siebel CRM queries the Siebel database each time it instantiates the parent business component. It does this even if it does not display this field in the client. You must set the Force Active property to TRUE only if you must script a field in the active business component, and only if Siebel CRM does not display this field in the active applet. Setting this property to TRUE might reduce performance.
Force Case **(O)**	Specifies the case for the field value. You can use one of the following values: • UPPER • LOWER • FIRSTUPPER
Hidden **(O)**	If TRUE, then the field is not visible to a dynamically created list view, such as the view that the forecasting module uses. Siebel CRM uses this property to support only specialized functionality. It does not support general configuration. The default value of the Hidden property is one of the following:

Property	Description
	• TRUE for a business component that uses the DTYPE_ID data type. • FALSE for business components that do not use the DTYPE_ID data type.
Immediate Post Changes **(O)**	For more information, see *Configuring the Immediate Post Changes Property of a Field*.
Internal Pick Applet **(O)**	Specifies a pick applet that Siebel Tools displays for a workflow process. You can set the conditions for the Decision Point step in a workflow process to use values from business component fields. You can use the Internal Pick Applet property to specify the applet that this user interface displays.
Join **(O)**	Specifies the name of the join object definition that this field uses. Siebel CRM uses this join to get data from the table that the join defines. The value in the Join property corresponds to the Name property of this join. For more information, see *Join*.
Link Specification **(O)**	If TRUE, then Siebel CRM sends the field value as a default value to a field in the child business component.
Message Display Mode	Specifies the data to display if a validation failure occurs. You can use one of the following values: • **User Msg.** Display only the validation message. • **User Msg with Error Code Only.** Display the validation message and a Siebel error code in the following format: `SBL-xxx-yyy` • **User Msg with Error Code/Msg.** Display the validation message, Siebel error code, and the default error message.
Multi Value Link **(O)**	Depends on the following value of the Multi Valued property of this field: • **TRUE.** The Multi Value Link property specifies the multivalue link for this field. • **FALSE.** Siebel CRM ignores the Multi Value Link property.
Multi Valued **(O)**	You can use one of the following values: • **TRUE.** This field is a multivalue field. • **FALSE.** This field is a single value field.
Name **(R)**	Specifies the name for this field. Other objects reference this field through this Name property. You must not modify the name of a predefined field. Doing this can create upgrade problems and might affect intended configuration. The name can include spaces. It must be unique in the business component.
No Copy **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM does not copy the field value to the newly created record during a Based On Last operation. • **FALSE.** Siebel CRM copies the field value to the newly created record during a Based On Last operation. If you set the No Copy property to false for a field that Siebel CRM derives from a joined table, then you must make sure that No Copy in the join field is also set to FALSE. The Source Field property in the join specification identifies this join field. If you do not do this, then Siebel CRM displays the new record. It does this to copy the fields from the joined table. If the

Property	Description
	record is required, then it does not populate the fields. This situation occurs only in a Based On Last operation.
Oracle Sequence Object **(O)**	Specifies the name of an Oracle sequence object. If Siebel CRM creates a new record, then it uses this sequence for this field. You must manually create the Oracle sequence object in the Oracle Database. This is an exception to the normal way that you configure an Oracle sequence object. Siebel Remote does not support an Oracle sequence object.
PickList **(O)**	Specifies the name of a picklist object definition that Siebel CRM uses to display a list of valid values that the user can choose.
Post Default Value **(O)**	Specifies the field value that Siebel CRM inserts in this field if it is empty the first time Siebel CRM writes it to the Siebel database. Note the following: • Siebel CRM inserts the post default value even if it does not display this field in the client. • If this field is empty during a subsequent update of this field, then Siebel CRM does not insert this post default value. • Siebel CRM does not validate the value that the Post Default Value property contains for a calculated field. • Siebel CRM limits the value in the Post Default Value property to 255 characters. • To make sure the configuration in the linked field of a child business component works correctly, the Link Specification property must be TRUE on the parent business component.

Pre Default Value **(O)**	Specifies the field value that Siebel CRM inserts in this field when it creates a new record through an Add New Record or Copy Record operation. Note the following:
	
	• The user can modify this value before Siebel CRM writes the record to the Siebel database.
	• Siebel CRM inserts the predefault value even if it does not display this field in the client.
	• Siebel CRM does not validate the value that the Pre Default Value property contains for a calculated field.
	• Siebel CRM limits the value in the Pre Default Value property to 255 characters.
	• If a predefault value expression depends on other fields, then these fields must be populated when Siebel CRM evaluates this expression. For example, the following predefault value works because Siebel CRM populates the Row Id or Id field when it initializes the record:
	
	`Expr: Field 'ID'`
	
	The following predefault value does not work because Siebel CRM populates the Picklist Field after it initializes the record:
	
	`Expr: Field: 'picklist_field_name'`
	
	This situation is true for a Copy Record operation only if the NoCopy property is TRUE.

Precision **(O)**	For more information, see *About the Precision and Scale Properties*.
Read Only **(O)**	If TRUE, then the user cannot modify the field value for this field. A field that references a joined table is typically read-only with the following exceptions: • A join to an extension table

Property	Description
	• A join to an active intersection table Some fields are read-only even if the Read Only property is FALSE. The Effective Start Date field for the following business components is read-only: • Account Product • Promotion • Promotion Account • Promotion Account Product • Promotion Administration • Promotion Product For more information, see *Join*.
Required **(O)**	If TRUE, then Siebel CRM writes the field value to the Siebel database only if this field contains a value.
Scale **(O)**	For more information, see *About the Precision and Scale Properties*.
Text Length **(O)**	Specifies the maximum length of text that the field can contain. Siebel CRM typically ignores this property. It typically gets the length from the table column that this field references. If a Text field includes a user property named Text Length Override, then Siebel CRM does not ignore the Text Length property.
Type **(R)**	Specifies the field data type. For more information, see *Configuring the Type Property of a Field*.
Validation **(O)**	Specifies the expression that Siebel CRM uses to validate the data that the user enters in this field. Note the following: • You can use the Validation property only with a single value field. You cannot use it with a multivalue field. • Siebel CRM limits the value in the Validation property to 255 characters.

Validation Message **(O)**	Specifies to override the default validation message that the Application Object Manager provides. For example, if a user enters 250 in a field, and if this value must not exceed 200, then the Application Object Manager displays the following validation message:
	`Incorrect fields values: field_name <= 200.`
	The user might not understand this message. To improve it, you can use the Validation Message property to configure Siebel CRM to display the following message:
	`Please enter a value under 200 for the field_name field.`
	For more information about validation messages, see the description for the Message Display Mode property.

Configuring the Immediate Post Changes Property of a Field

You can set the Immediate Post Changes property to one of the following values:

- **TRUE.** Siebel CRM immediately saves the field value to the Siebel Server. For example, if a user modifies a field value and then tabs to the next field in the same record, then Siebel CRM immediately saves this new value to the Siebel Server and then refreshes the data that it displays in the client. To do this, it makes a round trip to the Siebel Server and calls a PreSetFieldValue browser script event. For more information about this event, see *Siebel Object Interfaces Reference* .
- **FALSE.** Siebel CRM does not immediately save the field value to the Siebel Server. For example, if a user modifies a field value and then tabs to the next field in the same record, then Siebel CRM does not save this new value to the Siebel Server. The default value is FALSE.

Situations Where You Must Set the Immediate Post Changes Property to True

Setting the Immediate Post Changes property to TRUE might negatively affect performance. You typically set it to TRUE only to support the following configurations:

- **Calculated field.** For example, assume field B is a calculated field that uses values from field A. The Application Object Manager on the server does the calculation for a calculated field. If Siebel CRM modifies the value in field A, then it must do a server round trip to calculate and display the new value for field B. To allow this round trip, you must set the Immediate Post Changes property for field A to TRUE. You do not set it to TRUE for field B because Siebel CRM is not required to do a round trip if it modifies the value in field B.

  If the user modifies a value in a field, then Siebel CRM must run the code that the following event handlers contain on the Siebel Server:

  - BusComp_PreSetFieldValue performs a validation
  - BusComp_SetFieldValue causes some other action to occur after Siebel CRM validates a value

  If the Immediate Post Changes property is FALSE, then Siebel CRM does not run the code on the Siebel Server until the next time it performs a server round trip. If the PreSetFieldValue event finds a problem with the field value, and if the Immediate Post Changes property is FALSE, then Siebel CRM does not notify the user that a problem exists until the next time it performs a server round trip. For more information about event handlers, see *Siebel Object Interfaces Reference* .
- **Constrained drop-down list.** Assume the following constraints exists:

  - If field A = Y, then field B can contain Y1, Y2, Y3.
  - If field A = Z, then field B can contain Z1, Z2, Z3.

  In this example, Siebel CRM cannot populate the picklist for field B until the user chooses field A. To get the values for field B, it must perform a server round trip after the user chooses field A. To allow this round trip, you must set the Immediate Post Changes property for field A to TRUE. You do not set it to TRUE for field B because Siebel CRM is not required to do a round trip if it modifies the value in field B.

Configuring the Type Property of a Field

The Type property of a field corresponds to the physical type of the table column that resides in the Siebel database:

- The value in the Type property includes a DTYPE_ prefix.
- You must use the data types that come predefined with Siebel CRM.

- If you configure Siebel CRM to map a column to a data type, then you must make sure you configure it to use a similar type. For example, Siebel CRM can map an integer column to the DTYPE_INTEGER data type. It cannot map an incompatible type. For example, it cannot map a Long column to the DTYPE_BOOL data type.

The following table describes the data types that Siebel CRM supports for a field.

Data Type	Description
DTYPE_BOOL	This data type includes the following qualities: • Stores Boolean data, such as Y or N. • Mapped to a column that uses a Character(1) physical type and length. • Typically displayed as TRUE or FALSE, or checked or unchecked.
DTYPE_CURRENCY	This data type includes the following qualities: • Stores currency data. • Mapped to a column that uses a Number physical type.
DTYPE_DATE	This data type includes the following qualities: • Stores date data. It ignores other saved data, such as time. • Mapped to a column that uses a Date physical type.
DTYPE_DATETIME	This data type includes the following qualities: • Stores date and time data. • Mapped to a column that uses a DateTime physical type.
DTYPE_ID	This data type includes the following qualities: • Stores a key that Siebel CRM creates. • Mapped to a column that uses a Varchar(15) physical type and length.
DTYPE_INTEGER	This data type includes the following qualities: • Stores integer data. • Mapped to a column that uses a Number physical type.
DTYPE_NOTE	This data type includes the following qualities: • Stores long string data. • Mapped to a column that uses a Long physical type.
DTYPE_NUMBER	This data type includes the following qualities: • Stores number data. • Mapped to a column that uses a Number physical type.
DTYPE_PHONE	This data type includes the following qualities: • Stores phone number data.

Data Type	Description
	• Mapped to a column that uses a Varchar(40) physical type and length.
DTYPE_TEXT	This data type includes the following qualities: • Stores string data. • Mapped to a column that uses a Varchar physical type. • Uses upper and lower case text that the user enters. • The ForceCase property on a field can force text to Upper, Lower, or FirstUpper case.
DTYPE_TIME	This data type includes the following qualities: • Stores time data. • Mapped to a column that uses a Time physical type. • Siebel CRM ignores other saved data, such as date.
DTYPE_UTCDATETIME	Specifies the time as Greenwich mean time (GMT). For more information, see *Siebel Global Deployment Guide* .

Properties of the Field Object Type That Siebel CRM Supports for a Virtual Business Component

The following table describes the properties of a field that Siebel CRM supports in a virtual business component.

Properties That Siebel CRM Supports	Properties That Siebel CRM Does Not Support
Siebel CRM supports the following properties of a field in a virtual business component: • Calculated • Calculated Value • Currency Code Field • Exchange Date Field • Force Case • Hidden • Internal Pick Applet • Link Specification • Pick List • Post Default Value • Pre Default Value • Precision • Read Only • Required • Scale	Siebel CRM does not support the following properties of a field in a virtual business component: • Column • Dest Field • Force Active • Join • Link Specification • Multi Value Link • Multi Valued • No Copy • Oracle Sequence Object • Validation

Properties That Siebel CRM Supports	Properties That Siebel CRM Does Not Support
• Text Length • Type	

Field Locale

A field locale defines language overrides that Siebel CRM uses with a field.

This object type occurs in the following location in the object hierarchy:

Siebel Objects > *Business Component* > *Field* > Field Locale

The following table describes properties that Siebel CRM uses with a field locale.

Property	Description
Validation Message **(R)**	Specifies the language text that Siebel CRM displays if validation fails. The Validation property on the parent field determines validation. You can specify an error message. Siebel CRM displays this message in the client. It uses the language that the Language Code property specifies.

Field User Prop

A field user prop sends a property value to specialized C++ code. Siebel CRM persists the value that you configure for a user property in the Siebel runtime repository. For more information, see *Object Types That You Must Not Modify*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > *Field* > Field User Prop**

The following table describes properties that Siebel CRM uses with a field user prop.

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(O)**	Specifies the value of the user property.

Join

A join defines the logical join between the table that a business component references and another table. Siebel CRM can update an implicit joined field. It cannot update an explicit join. For a complete explanation of restrictions on left, self, and simple joins, see an SQL language reference manual.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > Join**

The following table describes properties that Siebel CRM uses with a join.

Property	Description
Name **(R)**	Specifies the name of the join object definition. This value defaults to the table that the Table property specifies. If two joins to the same table exist, then you must modify the name of one of these joins.
Outer Join Flag **(O)**	You can use one of the following values: • **TRUE.** Indicates a left outer join. Siebel CRM applies an outer join to the table that the Table property of the join defines. It receives values even if the join returns no values. • **FALSE.** Indicates an inner join.
Table **(R)**	Specifies the name of an SQL table. This name is case sensitive. It must use the same format that the table name uses in the Siebel database.

Join Constraint

A join constraint is a constant value search specification that Siebel CRM applies to a column during a join. Outer joins use it.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > *Join* > Join Constraint**

The following table describes properties that Siebel CRM uses with a join constraint.

Property	Description
Destination Column **(O)**	Specifies the column of a destination table. Siebel CRM to applies the constraint to this destination table. For example, you can use the following value: `LANG_CD`
Name **(R)**	Specifies the name of the join constraint.

Property	Description
Value **(O)**	Specifies a constant value or constant function that is not empty, such as LoginId, PositionId, or DivisionId. For example, you can specify the following value: `Language()` You can specify GetProfileAttr. A profile attribute can be persistent or dynamic. If it is dynamic, then this Value property must contain a value before Siebel CRM uses the join. If this property does not contain a value, then GetProfileAttr returns a null value and the join fails.

Join Specification

A join specification specifies the columns to join from the tables on the left side and the right side of a join.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > *Join* > Join Specification**

The following table describes properties that Siebel CRM uses with a join specification.

Property	Description
Destination Column **(O)**	Specifies the name of the column in the destination table that Siebel CRM uses for the join. This name is case-sensitive. It must use the same format that it uses in the Siebel database. If the join occurs on a column other than the ROW_ID column, then the Destination Column property is required.
Name **(R)**	Specifies the name of the join specification object definition, which must be unique in the join. The name defaults to the Source Field value for the join specification. By default, the name of a join specification is the name of the source field specified for the object definition. You must not modify this value unless two join specification object definitions exist for the same join that use the same source field. The merge and upgrade utility uses this field to determine matching entries. For more information about the join specification, see *Configuring Siebel Business Applications* .
Source Field **(O)**	Specifies the name of a field. Siebel CRM uses this field to join the destination table. Note the following: • This field resides in the parent business component of the join object definition. • The Source Field property must reference a field that defines a database column. A computed field is an example of a field that does not reference a database column. You cannot use it as the source field for a join specification. • This field must be a foreign key to the Destination Column. • If the join occurs on a field other than the ID field, then the Source Field property is required.

Multi Value Field

A multi value field displays the child records of a parent record. If the user clicks a multivalue field, then Siebel CRM displays these child records.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > Multi Value Field**

The following table describes properties that Siebel CRM uses with a multi value field.

Property	Description
Calculated **(O)**	If TRUE, then Siebel CRM uses business component data to calculate the field value.
Field **(R)**	Specifies the name of a single-value field in the child business component that the multivalue link references. This field must be visible in a list applet. To avoid performance problems, it is recommended that you do not specify a multivalue field from another business component in this property. If you must specify a multivalue field from another business component, then get help from Oracle. For more information, see *Object Types That You Must Not Modify*.
Force Active **(O)**	If TRUE, then Siebel CRM gets the field value from the Siebel database.
Hidden **(O)**	If TRUE, then Siebel CRM does not display this multivalue field in any list view that it dynamically creates at runtime. The default value is one of the following: • TRUE for a business component data type of DTYPE_ID • FALSE for any business component data type that is not DTYPE_ID
Link Specification **(O)**	If TRUE, then Siebel CRM sends the field value as a default value to a field in the child business component. This configuration is required to support any business component that Siebel CRM uses as the child of a link from this business component, and if this child uses the Parent type of default values and expects to receive a value.
Multi Value Link **(R)**	Specifies the name of the multivalue link that Siebel CRM uses when it gets data.
Name **(R)**	Specifies the name of this multivalue field. The name must be unique in the business component. It can contain spaces. To reference this multivalue field, other objects use this name.
No Copy **(O)**	If TRUE, then Siebel CRM does not copy the value that this multivalue field contains into the newly created record during a Based On Last operation. Also, if one of the following objects for this multivalue field specifies No Copy as TRUE, then Siebel CRM does not copy this value: • The multi value link • The source field
PickList **(O)**	Specifies the name of a picklist that Siebel CRM uses to display a list of values that the user can choose.

Property	Description
Read Only **(O)**	If TRUE, then the user cannot modify the value of this multivalue field.
Required **(O)**	Not used.

Multi Value Link

A multi value link gets the records that Siebel CRM displays through a multivalue field.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > Multi Value Link**

The following table describes properties that Siebel CRM uses with a multi value link.

Property	Description
Auto Primary **(O)**	Specifies how Siebel CRM populates row ID values in the primary ID field. You can use one of the following values: • **DEFAULT.** Automatically set the first record as the primary. • **NONE.** Require the user to manually set the primary. • **SELECTED.** Use the primary that the user chooses in a multivalue list to set the primary for other lists. For example, if the user chooses a primary Shipping Address, then Siebel CRM also sets this address as the primary Billing Address. Siebel CRM does the following: o Sets these primary values only if the primary is not set. o Does not set a value if a primary already includes a value. o Uses SELECTED only if more than one multivalue link references the same detail business component.
Check No Match **(O)**	Specifies how to set the primary if the foreign key field in the parent business component contains a value of No Match. You can use one of the following values: • **TRUE.** It runs a separate query. If the Auto Primary property of this multivalue link is: o **Default.** It sets the first record as the primary. o **SELECTED.** It determines if another multivalue link to this business component indicates a primary record. If it does, then Siebel CRM sets this record as the primary of this multivalue link. • **FALSE.** It does not run a separate query. For more information, see the topic about using the Check No Match property with a primary join in *Configuring Siebel Business Applications* . See the topic about how the Check No Match property impacts performance in *Siebel Performance Tuning Guide* .
Destination Business Component **(R)**	Specifies the name of the child business component.
Destination Link **(R)**	Specifies the name of the link that Siebel CRM uses.

Property	Description
Name **(R)**	Specifies the name for this multivalue link. Note the following: • Other objects use this name to reference this multivalue link. • The name must be unique among the multivalue links for this business component. • The name can contain spaces. • The name cannot contain numbers or special characters.
No Associate **(O)**	If TRUE, then Siebel CRM does not create associations through this multivalue link. It can add new detail records. If the current view is in Admin Mode, then Siebel CRM ignores the No Associate property.
No Copy **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM does not copy child records through this multivalue link. • **FALSE.** Siebel CRM does the following: o Copies child records through this multivalue link. o Only copies records that are directly related to this multivalue group. The copy operation on the child business component might fail due to a unique index violation. o If the No Copy property of a multivalue link on a child business component is FALSE, then Siebel CRM ignores it and does not use the Deep Copy feature to copy grandchild records.
No Delete **(O)**	If TRUE, then the user cannot delete records associated with this multivalue link.
No Insert **(O)**	If TRUE, then the user cannot insert records associated with this multivalue link.
No Update **(O)**	If TRUE, then the user cannot update records associated with this multivalue link.
Popup Update Only **(O)**	If TRUE, then Siebel CRM displays the multivalue group window for any of the multivalue group values that it must update.
Primary Id Field **(O)**	Specifies the name of the field in the master business component that contains the row ID values that reference the primary records in the detail business component.
Source Field **(O)**	Specifies the name of a source field that Siebel CRM uses to link the child business component with the source business component. The source business component is the business component that includes the object definition for the multivalue link. If the source field is different from the Id, then the Source Field property is required.
Type Field **(O)**	Specifies the name of a field in the DestBusComp business component that Siebel CRM uses as a filter to get a subset of records. It uses this property with the Type Value property.
Type Value **(O)**	Specifies the data value that Siebel CRM uses to filter a subset of records.
Use Primary Join **(O)**	You can use one of the following values:

Property	Description
	• **TRUE.** Run a primary join that uses the value in the Primary Id Field property to get the data for the primary child. To get the value for a nonprimary multivalue field, the user must type EXISTS in the query. • **FALSE.** Run the second query that gets all child records. Siebel CRM automatically creates the EXISTS query. If the Cache Data property of the business component is TRUE, then you must not set the Use Primary Join property to TRUE. For more information, see the description for the Cache Data property in the *Business Component* topic.

MVF Pick Map

An MVF pick map specifies instructions for copying fields when a drop-down list is used by a field in a business component.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > *Multi Value Field* > MVF Pick Map**

The following table describes properties that Siebel CRM uses with an MVF pick map.

Property	Description
Constrain **(O)**	You can use one of the following values: • **TRUE.** Defines the MVF pick map as a constraint pick map. • **FALSE.** Defines the MVF pick map as a copy pick map. For more information, see *About Copy and Constraint Pick Maps*.
Field **(R)**	Specifies the field in the parent business component that Siebel CRM uses with this MVF pick map. To constrain a picklist on a multivalue field: • You cannot use a field in the parent business component. • You can only use a multivalue field that resides in the detail business component.
No Clear **(O)**	You can use one of the following values: • **TRUE.** If the user does not pick a value from the drop-down list, then do not set the field that the Field property specifies to NULL. • **FALSE.** Delete any value that exists in the field that the Field property specifies. If the drop-down list is not bound, then Siebel CRM does not delete these field values.
Pick List Field **(O)**	Specifies the field in the picklist business component Siebel CRM uses with this MVF pick map.

MVF Pick Map UpdOnlyIfNull

An MVF pick map UpdOnlyIfNull marks a copy pick map to perform the copy operation only if the field that the pick map specifies is not empty. A constrain pick map also copies a pick map. If the constraint is active, then this configuration results in no operation. If an MVF pick map UpdOnlyIfNull causes Siebel CRM to ignore the constraint, then the copy operation works. To avoid the copy operation, you can use a calculated field as the field for the constrain pick map.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > *Multi Value Field* > *MVF Pick Map* > MVF Pick Map UpdOnlyIfNull**

The following table describes properties that Siebel CRM uses with an MVF pick map UpdOnlyIfNull.

Property	Description
Field **(R)**	Specifies the field in the parent business component that Siebel CRM examines for a NULL value before it does the copy operation that the parent pick map specifies.

Pick Map

A pick map specifies how to copy fields if a field uses a picklist. You cannot use a field in the parent business component to constrain a picklist on a multivalue field. You can only use a multivalue field that the detail business component includes.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > *Field* > Pick Map**

The following table describes properties that Siebel CRM uses with a pick map.

Property	Description
Constrain **(O)**	You can use one of the following values: • **TRUE.** Define the pick map as a constraint pick map. • **FALSE.** Define the pick map as a copy pick map. For more information, see *About Copy and Constraint Pick Maps*.
Field **(R)**	Specifies a field in the parent business component that this pick map references.
No Clear **(O)**	Specifies how to set the Field property if the user does not choose a value from the picklist. You can use one of the following values: • **FALSE.** The Field property is NULL. • **TRUE.** The Field property is not set to NULL.

Property	Description
Pick List Field **(O)**	Specifies the field in the picklist business component that this pick map references.
Sequence **(O)**	Specifies the order that Siebel CRM uses to copy the field values back to the business component after the user picks a row. This property can contain only an integer. If Siebel CRM can get the Pick List Source Id, then it ignores the Sequence property.

About Copy and Constraint Pick Maps

Siebel CRM can use the following types of pick maps:

- **Constraint pick map.** Siebel CRM applies the value from a field in the parent business component as a search specification on a field in the picklist business component.
- **Copy pick map.** Siebel CRM copies the value of a field in the picklist business component to a field in the parent business component.

The Pick List Field property specifies the field in the picklist business component. The Field property specifies the field in the parent business component.

Pick Map UpdOnlyIfNull

A pick map UpdOnlyIfNull configures a copy pick map to do a copy operation only if the values of the fields that the pick map UpdOnlyIfNull specifies are empty. For more information, see *Pick Map*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > *Field* > *Pick Map* > Pick Map UpdOnlyIfNull**

The following table describes properties that Siebel CRM uses with a pick map UpdOnlyIfNull.

Property	Description
Field **(R)**	Specifies the field in the parent business component that Siebel CRM examines for the empty condition before it does the copy operation that the parent pick map specifies. Each pick map object definition includes a child object definition of type Pick Map UpdOnlyIfNull. If you add one of these child object definitions to the pick map that constrains the picklist, and if the constraining value is NULL, then Siebel CRM ignores the constraint. If a picklist field that is not empty exists, then this field returns records and Siebel CRM displays these records. If the value of the constraining field is empty, and if the values of the fields that the Pick Map UpdOnlyIfNull constraint pick map specifies are empty, then this Pick Map UpdOnlyIfNull works like a copy pickmap. To disable the constraint if the constraining field value is empty, you can use a calculated field as the field for the constraint pickmap. Siebel CRM disables the constraint only if the following situations are true: • The field that the parent constraint pick map references is empty. • The field that this Pick Map UpdOnlyIfNull references is empty.

Single Value Field

A single value field defines properties for a single value field.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > Single Value Field**

The following table describes properties that Siebel CRM uses with a single value field.

Property	Description
Calculated **(O)**	If TRUE, then Siebel CRM calculates the value for this field.
Calculated Value **(O)**	Specifies an expression that Siebel CRM uses to calculate value for this field.
Column **(R)**	Specifies the name of a database table column. This name is case-sensitive. It must use the same format that it uses in the Siebel database. The Column property is not allowed for a calculated field. It is required for a field that Siebel CRM does not calculate.
Currency Code Field **(O)**	Specifies the name of the currency code field that Siebel CRM uses with a DTYPE_CURRENCY data type. The default value is Currency Code.
Exchange Date Field **(O)**	Specifies the name of the exchange date field that Siebel CRM uses with a DTYPE_CURRENCY data type. The default value is Exchange Date.
Force Active **(O)**	If TRUE, then Siebel CRM gets the data value from the Siebel database. For best performance, it is recommended that you set the Force Active to FALSE in most situations. This property does not affect how browser script references or uses the value that this field contains.
Force Case **(O)**	Specifies the case for the field value. You can use one of the following values: • UPPER • LOWER • FIRSTUPPER
Hidden **(O)**	If TRUE, then Siebel CRM does not display this field in any list view that it creates dynamically at runtime. If business component data is: • Of type DTYPE_ID, then the default value is TRUE. • Not of type DTYPE_ID, then the default value is FALSE.
Join **(O)**	Specifies the name of the join that this field uses. Siebel CRM uses this name only if the field value it gets is from the table that the join defines. For more information, see *Join*.

Property	Description
Link Specification **(O)**	If TRUE, then Siebel CRM sends the field value as a default value to a field in a child business component. If a business component is a child of this link, and if this business component uses the Parent type of default value, and if it expects to get a value, then a link specification is required. For performance reasons, it is recommended that you set the Link Specification property TRUE only if Siebel CRM must predefault the parent value to the child value through the link. This configuration requires Siebel CRM to get the column value any time that this object is active. It is similar to the configuration that Siebel CRM uses for the ForceActive property. This property does not affect how browser script references or uses the value that this field contains.
Message Display Mode	Specifies the details that Siebel CRM displays in the validation message. You can use one of the following values: • **User Msg.** Display only the message that you define in Siebel Tools. • **User Msg with Error Code Only.** Display the message and the error code that the Application Object Manager returns. • **User Msg with Error Code/Msg.** Display the message that you define in Siebel Tools Display. Also display the message and the error code that the Application Object Manager returns.
Name **(R)**	Specifies a name for this field. This name must be unique in the business component. It can contain spaces. Other objects use this name to reference this field.
No Copy **(O)**	If TRUE, then Siebel CRM does not copy the field value to the new record during a Based On Last operation.
Oracle Sequence Object **(O)**	Specifies the name of an Oracle sequence object. It determines the sequence that Siebel CRM uses for field defaults when it creates a new record.
PickList **(O)**	Specifies the name of a picklist that Siebel CRM uses to display a list of valid values that the user can choose.
Post Default Value **(O)**	Specifies a value that Siebel CRM uses for this field if the user does not enter a value and saves the record. Siebel CRM does not validate this value for a calculated field. The Post Default Value property can contain no more than 255 characters.
Pre Default Value **(O)**	Specifies the value that Siebel CRM uses for an empty field if an Add New Record or Copy Record operation creates a new record. The user might modify this value before Siebel CRM writes it to the Siebel database. Siebel CRM does not validate this value for a calculated field. The Post Default Value property can contain no more than 255 characters.
Precision **(O)**	For more information, see *About the Precision and Scale Properties*.
Read Only **(O)**	If TRUE, then the user cannot modify the field value. Some fields are read-only even if the Read Only property is FALSE. For example, the Effective Start Date field for the following business components is read-only: • Account Product • Promotion

Property	Description
	• Promotion Account • Promotion Account Product • Promotion Administration • Promotion Product In general, a field that references a joined table is read-only. There are two exceptions to this rule: • The join references an extension table. • The join references an active intersection table. For more information, see *Join*.
Required **(O)**	If TRUE, then the user must enter a value in this field before Siebel CRM can write the record to the Siebel database. For information about how you can use a user property to control required according to an expression, see *Siebel Developer's Reference* .
Scale **(O)**	For more information, see *About the Precision and Scale Properties*.
Text Length **(O)**	Specifies the maximum length of text that the user can enter in this field. Siebel CRM typically ignores this property. It gets the length from the underlying column definition.
Type **(R)**	Specifies the data type for this field. You must make sure that the type you choose uses the same data type that the column uses. The Column property of this field specifies this column.
Validation **(O)**	Specifies the expression Siebel CRM uses to make sure the data that the user enters is correct. You can use validation only with a single value field. You cannot use it with a multivalue field. The Validation property can contain no more than 255 characters.

SVF Pick Map

An SVF pick map specifies how to copy fields if another field uses a picklist.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > *Single Value Field* > SVF Pick Map**

The following table describes properties that Siebel CRM uses with an SVF pick map.

Property	Description
Constrain **(O)**	You can use one of the following values: **TRUE.** Defines this SVF pick map as a constraint pick map. **FALSE.** Defines this SVF pick map as a copy pick map. For more information, see *About Copy and Constraint Pick Maps*.

Property	Description
Field **(R)**	Specifies the field in the parent business component that this SVF pick map uses.
No Clear **(O)**	Specifies how to set the Field property if the user does not choose a value from the picklist. You can use one of the following values: **FALSE.** Set the Field property to NULL. **TRUE.** Do not set the Field property to NULL.
Pick List Field **(O)**	Specifies the field in the picklist business component that this SVF pick map uses.

SVF Pick Map UpdOnlyIfNull

An SVF pick map UpdOnlyIfNull marks a copy pick map to perform the copy operation only if the field that the pick map specifies is not empty. A constrain pick map also copies a pick map. If the constraint is active, then this configuration results in no operation. If the UpdOnlyIfNull causes Siebel CRM to ignore the constraint, then the copy operation works. To avoid the copy operation, you can use a calculated field as the field for the constrain pick map.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Component* > *Single Value Field* > *SVF Pick Map* > SVF Pick Map UpdOnlyIfNull**

The following table describes properties that Siebel CRM uses with an SVF pick map UpdOnlyIfNull.

Property	Description
Field **(R)**	Specifies the field in the parent business component that Siebel CRM examines to determine if the field is empty before it performs the copy operation that the parent pick map specifies.

Business Object Object Types

This topic describes the Business Object object type and the object types that are children of this object type. It includes the following topics:

- *Business Object*
- *Business Object Component*

Business Object

A business object organizes one or more business components according to functional requirements. For example, the Opportunity business object can reference the following business components:

- Opportunity
- Contact
- Product

This object type occurs in the following location in the object hierarchy:

- **`Siebel Objects > Business Object`**

The following table describes properties that Siebel CRM uses with a business object.

Property	Description
Name **(R)**	Specifies the name of the business object. This name must be unique among business objects. It can include spaces but it cannot include special characters. To reference a business object, other objects reference this name.
Primary Business Component **(O)**	Specifies the parent business component of the business object.
Query List Business Component **(O)**	Specifies the name of the business component that Siebel CRM uses to save predefined queries for the business object.

Business Object Component

A business object component identifies a business component.

This object type occurs in the following location in the object hierarchy:

- **`Siebel Objects > Business Object > Business Object Component`**

The following table describes properties that Siebel CRM uses with a business object component.

Property	Description
BusComp **(R)**	Specifies the name of a business component. For example: `Contact`
Link **(O)**	Specifies the name of a link that Siebel CRM uses between two business components. If this property does not include a value, then Siebel CRM does not create a link. For example: `Account/Contact` For more information, see *Link*.

Property	Description
Name **(S)**	Specifies the name of the business object component. For example: `Contact`

Business Service Object Types

This topic describes the Business Service object type and the object types that are children of this object type. It includes the following topics:

- *Business Service*
- *Business Service Browser Script*
- *Business Service Locale*
- *Business Service Method*
- *Business Service Method Arg*
- *Business Service Method Arg Locale*
- *Business Service Method Arg User Prop*
- *Business Service Method Locale*
- *Business Service Server Script*
- *Business Service Subsystem*
- *WF Process Metric*

Business Service

A business service defines reusable business logic. You can configure the following types of business services:

- Built-in business service that you define in Siebel Tools. It can reference the predefined CSSService class or a specialized class. A specialized business service is for Oracle use only.
- Run-time business service that you define in the client.

You can use a business service as a reusable code library that Siebel CRM can call from another script.

To configure a business service, you can use properties and Siebel VB script or Siebel eScript script.

Starting with Siebel CRM version 8.0, if a business service uses the Web Client Automation Server or Browser Script, then you must use Siebel Tools to register this business service as an application user property. This configuration prevents a Service Not Found error. For more information about registering a business service, see *Siebel Object Interfaces Reference* .

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Business Service`

The following table describes properties that Siebel CRM uses with a business service.

Property	Description
Browser Class **(O)(H)**	Not used.
Cache **(O)**	You can use one of the following values: • **TRUE.** The business service instance exists until the user session finishes. • **FALSE.** Siebel CRM deletes the business service instance after it finishes running.
Class **(R)**	Specifies the class. If you create a business service, then you must set the Class property to CSSService. For example: `CSSService`
Display Name **(R)**	Specifies the name that Siebel CRM displays in the picklist.
External Use **(O)**	Specifies that Siebel CRM can use the business service in a script and test it in a simulator. If you create a business service, then you must set the External Use property to TRUE.
Hidden **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM hides the object. • **FALSE.** Siebel CRM does not hide the object.
Name **(R)**	Specifies the name of the business service.
Server Enabled **(S)**	You can use one of the following values: • **TRUE.** Siebel CRM enables the business service on the Siebel Server. In most situations, you must set the Server Enabled property to TRUE. • **FALSE.** Siebel CRM does not enable the business service on the Siebel Server.
State Management Type **(R)**	Specifies the state management type for a workflow process. For more information, see the description about the State Management Type property in *Workflow Process*.
Web Service Enabled **(O)**	You can use one of the following values: • **TRUE.** Expose the business service as a Web service. • **FALSE.** Do not expose the business service as a Web service. For more information, see *Siebel CRM Web Services Reference* .

Business Service Browser Script

A business service browser script specifies the browser script that the business service uses. For more information, see *Siebel Object Interfaces Reference* .

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Service* > Business Service Browser Script**

The following table describes properties that Siebel CRM uses with a business service browser script.

Property	Description
Browser Group **(O)**	Not used.
Name **(S)**	Specifies a unique name for the script. To create a value for this property, Siebel Tools combines the values that the Browser Group property and the Procedure property contains. You must not modify this property.
Procedure **(O)**	Specifies the name of the function or the procedure.
Script **(R)**	Specifies the text for the function.

Business Service Locale

A business service locale defines language overrides that Siebel CRM uses with a business service.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Service* > Business Service Locale**

The following table describes properties that Siebel CRM uses with a business service locale.

Property	Description
Display Name **(R)**	Specifies the name that Siebel CRM displays in the picklist for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Business Service Method

A business service method defines functionality for a business service.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Service* > Business Service Method**

The following table describes properties that Siebel CRM uses with a business service method.

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays in various picklists.
Hidden **(O)**	You can use one of the following values: • **TRUE.** Do not display the business service method in picklists in the Workflow Process Designer. • **FALSE.** Display the business service method in picklists in the Workflow Process Designer.
Name **(R)**	Specifies the name of the business service method.

Business Service Method Arg

A business service method arg defines the arguments for a business service method.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects** > *Business Service* > *Business Service Method* > **Business Service Method Arg**

The following table describes properties that Siebel CRM uses with a business service method arg.

Property	Description
Data Type **(R)**	Specifies the data type of the business service method arg. To view the values you can use, click the Data Type property in Siebel Tools.
Display Name **(O)**	Specifies the name that Siebel CRM displays in the client.
Hidden **(O)**	You can use one of the following values: • **TRUE.** Hide the business service method argument. • **FALSE.** Display the business method argument.
Integration Object **(O)**	Specifies the name of the integration object that Siebel CRM uses for the business service method argument. To view the values you can use, click the Integration Object property in Siebel Tools. Siebel CRM uses this property only if the Data Type property is Integration Object.
Name **(R)**	Specifies the name of the business service method argument.
Optional **(O)**	You can use one of the following values: • **TRUE.** The business service method argument is optional. • **FALSE.** The business service method argument is required.
Pick Applet **(O)**	Specifies the name of the pick applet that this business service method argument reference.

Property	Description
Pick Field **(O)**	Specifies the name of the pick field that this business service method argument references.
Picklist **(O)**	Specifies the name of the picklist that this business service method argument references.
Preferred Sequence **(O)**	Specifies the order that Siebel CRM uses to call the business service method arguments that a business service contains. This property can contain only an integer.
Storage Type **(R)**	Specifies the storage type. To view the values you can use, click the Storage Type property in Siebel Tools.
Type **(R)**	Specifies the type of business service method argument. You can use one of the following values: • **Input.** The argument is part of the Input property set for the InvokeMethod call. • **Input / Output.** The argument is part of the Input property set and the Output property set. • **Output.** The argument is part of the Output property set.

Business Service Method Arg Locale

A business service method arg locale defines language overrides that Siebel CRM uses with a business service method arg.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects** > *Business Service* > *Business Service Method* > *Business Service Method Arg* > **Business Service Method Arg Locale**

The following table describes properties that Siebel CRM uses with a business service method arg locale.

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays in the client for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Business Service Method Arg User Prop

A business service method arg user prop sends a property value to C++ code. Siebel CRM typically uses these user properties to import WSDL documents and to modify the metadata it uses to create a SOAP document at run-time. Siebel CRM persists the value that you configure for a user property in the Siebel runtime repository.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Service* > *Business Service Method* > *Business Service Method Arg* > Business Service Method Arg User Prop**

The following table describes properties that Siebel CRM uses with a business service method arg user prop.

Property	Description
Name **(R)**	Specifies the name of the user property.
Value **(R)**	Specifies the value of the user property.

Business Service Method Locale

A business service method locale defines language overrides that Siebel CRM uses with a business service method. These values persist in the repository and in the Siebel runtime repository.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Service* > *Business Service Method* > Business Service Method Locale**

A business service method locale uses the same properties that a business service method arg locale uses. For more information, see *Business Service Method Arg Locale*.

Business Service Server Script

A business service server script includes the Siebel VB script or Siebel eScript script that a business service contains.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Service* > Business Service Server Script**

A business service server script uses the same properties that an applet script uses. For more information, see *Applet Script (H)*.

For more information, see *Siebel Object Interfaces Reference* .

Business Service Subsystem

A business service subsystem defines the subsystem that a business service references.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Service* > Business Service Subsystem**

The following table describes properties that Siebel CRM uses with a business service subsystem.

Property	Description
Name **(R)**	Specifies the name of the internal Oracle business service subsystem.
Subsystem **(R)**	Specifies the name of an external business service subsystem.

Business Service User Prop

A business service user prop sets the initial values for the properties of a business service. It communicates a property value to the C++ code or script that implements the business service configuration. Siebel CRM can modify these values during configuration or at run time. The GetProperty and SetProperty functions provide run-time access.

For more information, see *Object Types That You Must Not Modify*. For more information about properties that Siebel CRM supports, see *Siebel Developer's Reference* .

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Business Service* > Business Service User Prop**

The following table describes properties that Siebel CRM uses with a business service user prop.

Property	Description
Name **(R)**	Specifies the name of the business service user prop.
Value **(R)**	Specifies the value of the business service user property.

Class Object Types

This topic describes the Class object type and the object types that are children of this object type. It includes the following topics:

- *Class*

- *Class Method*
- *Class Method Menu Item*
- *Class Method Menu Item Locale*
- *Class User Prop*
- *Class User Prop Value*

Class

A class identifies the class for some object types, such as applet or business component. It includes a list of classes that the repository contains.

> **CAUTION:** You can modify a class only if you are adding a new ActiveX control or Java Applet to the Siebel Web Client. Any modification you make to any other object can adversely affect performance and operation.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Class`

The following table describes properties that Siebel CRM uses with a class.

Property	Description
DLL **(S)**	Specifies the DLL that includes the class.
Handheld Client **(S)**	You can use one of the following values: • **TRUE.** Siebel CRM can use the class in the mobile client. • **FALSE.** Siebel CRM cannot use the class in the mobile client.
High Interactivity Enabled **(S)**	The property has been deprecated and is ignored.
Java Thin Client **(S)(H)**	You can use one of the following values: • **TRUE.** Siebel CRM can use this class for the Java thin client. • **FALSE.** Siebel CRM cannot use this class for the Java thin client.
Name **(S)**	Specifies the name of the C++ class.
Object Type **(S)**	Specifies the name of the object type that this class references.
Super Class **(S)**	Specifies the name of the parent class.
Thin Client **(S)(H)**	You can use one of the following values: • **TRUE.** Siebel CRM can use this class with the Siebel Web Client. • **FALSE.** Siebel CRM cannot use this class with the Siebel Web Client.
UNIX Support **(S)(H)**	Specifies to support this class on the UNIX operating system.

Property	Description

Class Method

A class method describes the method that the class calls.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Class > Class Method`

The following table describes properties that Siebel CRM uses with a class method.

Property	Description
Method **(S)**	Specifies the method that the class calls.
Name **(S)**	Specifies the name of the method.

Class Method Menu Item

A class method menu item controls a menu item on an applet-level menu of a Siebel Web Engine applet of an applet class and the subclasses of this applet class.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Class > Class Method Menu Item`

The following table describes properties that Siebel CRM uses with a class method menu item.

Property	Description
Command **(S)**	Specifies the name of the command that provides the method and target for the menu item.
Menu Text **(S)**	Specifies the text that Siebel CRM displays in the menu item.
Name **(S)**	Specifies the name of the class method menu item.

Property	Description
Position **(S)**	Specifies the sequence of the menu item in the single-level list of menu items. This property can contain only an integer.
Suppress Menu Item **(S)**	You can use one of the following values: • **TRUE.** Removes the applet-level menu items from the applet-level menu in all applets that Siebel CRM gets from this class and the subclasses of this class. • **FALSE.** Does not remove these menu items.

Class Method Menu Item Locale

A class method menu item locale defines language overrides that Siebel CRM uses with a class method menu item.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Class* > *Class Method Menu Item* > Class Method Menu Item Locale**

The following table describes properties that Siebel CRM uses with a class method menu item locale.

Property	Description
Menu Text **(S)**	Specifies the text that Siebel CRM displays in the menu item.
Name **(S)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Class User Prop

A class user prop specifies a user property that Siebel CRM can use on Siebel repository objects that use the parent class.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Class* > Class User Prop**

The following table describes properties that Siebel CRM uses with a class user prop. For information about user properties, see *Siebel Developer's Reference* .

Property	Description
Description **(O)**	Specifies a description for this user property. Siebel CRM displays this description in the picklist where it calls the user property so the user can quickly understand the usage and implications of the user property.

Property	Description
	For example, to force a view to sort according to the ORDER BY clause on the predefined user key, Siebel CRM overrides the sort specification on this view for some visibility types. To override the sort specification and use a sort that Siebel CRM applies to the business component for the affected views, you can use the All Mode Sort user property.
Name **(R)**	Specifies the name of the user property. This is the name that the C++ code of the class uses if it gets the value of the user property. It is also the name that Siebel Tools displays in the user property picklist for some objects. For example, a business component user property. For example, you can enter the following value: `All Mode Sort`
Type **(R)**	Specifies the object type that Siebel CRM uses with this class user property. You can enter one of the following values: • Business Component • Business Service • Applet
Value Type **(O)**	Specifies the type of value that Siebel enters in this user property. If the user property contains plain text, then you can leave this property empty. You can use one of the following values: • Field • Link • Business Service

Class User Prop Value

A class user prop value defines a value that Siebel CRM displays in the picklist for the parent class user prop.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Class* > *Class User Prop* > Class User Prop Value**

The following table describes properties that Siebel CRM uses with a class user prop value. For information about user properties, see *Siebel Developer's Reference* .

Property	Description
Description **(O)**	Includes text that describes the object definition for this class user property. Siebel CRM displays this description in the picklist where the user uses the user property value. It allows this user to quickly understand the usage and implications of this value as compared to other values in the picklist. For example, if the All Mode Sort user property value is Normal, then Siebel CRM uses a sort specification that is defined on a business component. This configuration also allows the user to run a predefined query that incorporates a sort.
Name **(R)**	Specifies the name of the user property value. This is the name that Siebel Tools displays in the picklist for a user property value for an object type. For example, a business component user property.

Property	Description
	For example, you can use one of the following values: • TRUE • FALSE • Normal

Command Object Types

This topic describes the Command object type and the object types that are children of this object type. It includes the following topics:

- *Accelerator*
- *Accelerator Locale*
- *Command*
- *Command Locale*

Accelerator

An accelerator defines an accelerator key sequence for each browser for a menu item that uses this command. For more information, see *Formats You Can Use With an Accelerator Object Type*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Command* > Accelerator**

The following table describes properties that Siebel CRM uses with an accelerator.

Property	Description
Browser Platform **(O)**	User Agent. A user agent is typically a browser version, such as Internet Explorer 9.0. You can use one of the following values: • **All.** Applies to all versions of a browser version. • **Basic.** Defines the capabilities of a major version of a browser. • **Extended.** Defines the extended capabilities of minor versions of the same browser.
Display Name **(O)**	Specifies the name of the shortcut that Siebel CRM displays on a menu. For example: **CTRL+N**
Key Sequence **(O)**	The series of keyboard strokes in a shortcut. For values you can use, see *Accelerator Locale*.

Property	Description
Key Sequence - Language Override **(O)**	The language code that Siebel CRM uses for the current key sequence. An Accelerator Locale object can override this value.
Name **(R)**	Specifies the name of the accelerator. For example: `New record`

Accelerator Locale

An accelerator locale defines a language override that Siebel CRM uses with an accelerator. For more information, see *Formats You Can Use With an Accelerator Object Type*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Command* > *Accelerator* > Accelerator Locale**

The following table describes properties that Siebel CRM uses with an accelerator locale.

Property	Description
Display Name **(O)**	The series of keyboard strokes in a shortcut for a language and how Siebel CRM displays it on a menu. For example: `CTRL+N`
Key Sequence **(O)**	The series of keyboard strokes in a shortcut for a language.
Name **(O)**	The abbreviation for the language that the Siebel CRM application uses. For example: `ENU`

Command

A command specifies the method that Siebel CRM calls if a toolbar icon associated with this command runs. It also defines the bitmap that it displays on the toolbar icon. A toolbar item or menu item references a command.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > Command**

The following table describes properties that Siebel CRM uses with a command.

Property	Description
Bitmap **(R)(H)**	Not used.

Property	Description
Business Service **(O)**	Specifies a browser service or server service, depending on the property that handles the method.
Category **(R)**	Specifies the category name for a customize dialog box.
Category Display Name **(O)**	Not used.
Display Name **(O)**	Specifies the name of the command. If you do not specify a name for a menu, then Siebel CRM uses the value that the Display Name property contains.
Dynamic Tooltip **(O)**	Specifies to make a tooltip dynamic or static. It can include one of the following values: • **TRUE.** To get the dynamic tooltip text, Siebel CRM calls an underlying object, such as an application, applet, or service. • **FALSE.** Use a static value. Reserved for future use.
Force Enable **(O)**	Specifies to associate the menu item or toolbar item with this command object. Reserved for future use.
HTML Bitmap **(O)**	Specifies the name of the bitmap that Siebel CRM displays if the control is in the enabled state.
HTML Disabled Bitmap **(O)**	Specifies the name of the bitmap that Siebel CRM displays if the control is in a disabled state.
HTML Popup Dimension **(O)**	Specifies the dimensions of the pop-up window, in pixels. For example: `640x480` The format requires a lower case x and no empty spaces.
Method **(R)**	Specifies the name of the method that Siebel CRM calls if the user chooses a menu item or toolbar icon. This method can be predefined or a custom method that you define.
Method Argument **(O)**	Specifies the method argument that Siebel CRM sends to the method that the Method property contains. For example, assume a command item opens a new window and then navigates to a URL in that window. To implement this requirement, a command can specify the following: • The GotoURL method in the Method property. • The URL to navigate to in the Method Argument property.
Name **(R)**	Specifies the name of the command object definition. This is the name of the toolbar icon that Siebel CRM displays in the Commands list on the Commands tab of the Customize dialog box in Siebel CRM.
Show Popup **(O)**	You can use one of the following values: • **TRUE.** Open a new browser window before calling the method.

Property	Description
	• **FALSE.** Call the method in the current browser window.
Status Text **(O)**	Not used.
Target **(O)**	Specifies the name of the target. To view the values you can use, click the Target property in Siebel Tools. Note the following values: • **Active Applet.** The command is visible in all clients. • **Service.** The command displays only in a client that implements this service. This service must handle the CanInvokeMethod and InvokeMethod methods. • **Application.** Do not use. This value is for Oracle use only.
Tooltip Text **(O)**	Obsolete. Do not use.

Command Locale

A command locale defines language overrides that Siebel CRM uses with a command.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Command > Command Locale`

The following table describes properties that Siebel CRM uses with a command locale.

Property	Description
Category Display Name **(O)**	Not used.
Display Name **(O)**	Specifies the name of the command in the client.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: `ENU`
Status Text **(O)**	Not used.
Tooltip Text **(O)**	Obsolete. Do not use.

Content Object Types

This topic describes the Content object type and the object types that are children of this object type. It includes the following topics:

- *Content Object*
- *Content Object View*

Content Object

A content object specifies a class of content for the Content Center. It defines the fields and attachments of the content that Siebel CRM transfers from a staging environment to a production environment for use with the Content Center.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Content Object`

The following table describes properties that Siebel CRM uses with a content object.

Property	Description
Business Object **(O)**	Specifies the business object. You can specify any business object that references a primary business component.
Integration Object **(O)**	Specifies the integration object. You can specify any EAI object that Siebel CRM creates from the business object that the Business Object property specifies.
Name **(R)**	Specifies the name of the content object.
Pick Applet **(O)**	Specifies the name of the pick applet that Siebel CRM uses to choose the content data for a content item. The Business Component property of this applet must reference the primary business component of the business object.
Pick List **(O)**	Specifies the name of the picklist for the pick applet. The Business Component property of this picklist must reference the primary business component of the business object.
Sequence **(O)**	Specifies the order that Siebel CRM uses to publish content items. It uses this sequence only if it publishes a content project that includes content items from different content objects. Siebel CRM publishes the content items from the content object that possesses the lowest sequence number first. It then publishes the content object that possesses the next lowest sequence number, and then proceeds in this order until it publishes all content items from all content objects. This property can contain only an integer.
Source Field **(O)**	Specifies the field from the picklist that Siebel CRM uses to pick and fill in the content item reference ID. This property must only contain the following value: `Id`

Content Object View

A content object view specifies the view that Siebel CRM uses to work with a class of content in the Content Center.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Content Object > Content Object View`

The following table describes properties that Siebel CRM uses with a content object view.

Property	Description
Name **(R)**	Specifies the name of the content object view. It is recommended that the name of the content object view be the same as the view name.
Sequence **(O)**	Specifies the order that Siebel CRM uses to look up the content object views that the content object includes. A content object can include multiple content object views. Siebel CRM looks up the view that includes the lowest sequence value first. It ignores any view for which the user does not possess visibility. This property can contain only an integer.
View Name **(O)**	Specifies the name of the view that the content contributor or approver drills down to from a content item. This user uses this destination view to edit or add content data. You can specify any view. Typically, the applet in the beginning of this view references the primary business component of the business object that the content object references.

DLL Object Type

This topic describes the DLL object type.

DLL

A DLL object contains the Siebel Tools program library files.

> **CAUTION:** You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > DLL`

The following table describes properties that Siebel CRM uses with a DLL object.

Property	Description
Attributes **(O)**	Specifies any attributes that are associated with the applet tag.
Code or Class Id **(O)**	Specifies the complete classname of the Java applet including the package name.
File Name **(R)**	Specifies the name of the DLL file.
Java Package **(O)**	Specifies the Java packages that this DLL requires.
Name **(R)**	Specifies the name of the DLL object without a DLL filename extension.

Dock Object Object Types

This topic describes the Dock Object object type and the objects that are children of this object type. It includes the following topics:

- *Dock Object*
- *Dock Object Related DObj*
- *Dock Object Table*
- *Dock Object Visibility Rule*

Dock Object

A dock object defines rules or groups of rules that Siebel CRM uses to synchronize records to remote users. For more information, see *Siebel Developer's Reference* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Dock Object`

The following table describes properties that Siebel CRM uses with a dock object.

Property	Description
Active **(S)**	If TRUE, then the dock object is active in Siebel CRM.
Dock Code **(S)**	Specifies the code that Siebel CRM uses for this dock object.
Name **(S)**	Specifies the abbreviated name of the primary table.

Property	Description
Primary Table Name **(S)**	Specifies the name of the primary table. Tables that the dock object tables identify for a dock object are related through foreign keys in the data model to one primary table.
User Name **(S)**	Specifies the full name of the dock object.
Visibility Level **(S)**	Specifies the level at which to download tables to a corresponding set of tables.
Write DB cache **(S)**	If TRUE, then the dock object writes explicitly to the S_DOCK_INST table.

Dock Object Related DObj

A dock object related DObj affects information access. For more information, see *Siebel Developer's Reference* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Dock Object* > Dock Object Related DObj**

The following table describes properties that Siebel CRM uses with a dock object related DObj.

Property	Description
Active **(S)**	If TRUE, then the dock object is active in Siebel CRM.
Check Visibility **(S)**	If TRUE, then Siebel CRM examines the visibility rules for the user.
Name **(S)**	Specifies the name of the dock object in which this doc object related dock DObj belongs.
Rel DObj Visibility Strength **(S)**	Specifies the visibility strength of the related dock object. This property can contain only an integer.
Related Dock Object Name **(S)**	Specifies the name of the related dock object.
SQL Statement **(S)**	Specifies the SQL script that Siebel CRM uses to handle special exceptions for a rule.
Sequence **(S)**	Specifies the position of the dock object. This property can contain only an integer.
Visibility Event Columns **(S)**	Specifies the name of the visibility event columns for the related dock object visibility rule.
Visibility Strength **(S)**	Specifies the visibility strength of the related dock object. This property can contain only an integer between 0 and 100:

Property	Description
	• A value of 100 provides full visibility. • A value of 0 provides no visibility. • A value between 1 and 100 provides partial visibility.

Dock Object Table

A dock object table specifies the table that contains the records that Siebel CRM downloads with a dock object. For more information, see *Siebel Developer's Reference* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Dock Object > Dock Object Table`

The following table describes properties that Siebel CRM uses with a dock object table.

Property	Description
Dock Object Sub Type **(S)**	Specifies the sub type of the dock object.
Filter Sql Statement **(S)**	Specifies the SQL script that Siebel CRM uses to filter data regarding the dock object tables.
Name **(S)**	Specifies the name of the table that receives the records.
Node Language Filter **(S)**	Specifies to use language selective downloading of translation tables to a remote client according to the client preferred language. You can use one of the following values: • **TRUE.** Siebel CRM applies the node language filter to the translation tables. • **TRUE.** Siebel CRM does not apply the node language filter and treats the table the same as it does a normal dock table.
Notify (S)	If TRUE, then Siebel CRM logs events to the Client Diagnostics view of the Siebel Remote Admin screen.
Source Column Name **(S)**	Specifies the name of the column that Siebel CRM uses as the source for the dock object table.
Table Name **(S)**	Specifies the name of the table that contains the records that Siebel CRM downloads with the dock object.
Target Column Name **(S)**	Specifies the target column of the table that contains the records that Siebel CRM must download.

Property	Description
Target Table Name **(S)**	Specifies the name of the table that receives the records that Siebel CRM downloads with the dock object.
Visibility Event **(S)**	If TRUE, then the Transaction Router examines visibility rules on a visibility event and makes sure that any modification that exists in a dock table is a visibility event transaction.
Visibility Strength **(S)**	Specifies the visibility strength of the dock object table. This property can contain only an integer between 0 and 100: • A value of 100 provides full visibility. • A value of 0 provides no visibility. • A value between 1 and 100 provides partial visibility.

Dock Object Visibility Rule

A dock object visibility rule defines a set of rules that evaluate the records in a dock object that Siebel CRM displays for a remote user. For more information, see *Siebel Developer's Reference* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Dock Object* > Dock Object Visibility Rule**

The following table describes properties that Siebel CRM uses with a dock object visibility rule.

Property	Description
Active **(S)**	If TRUE, then the dock object visibility rule is active in Siebel CRM.
Category Column Name **(S)**	Specifies the name of the category column that Siebel CRM uses to determine if a category is visible to a user.
Category Table Name **(S)**	Specifies the name of the category table that Siebel CRM uses to determine if a category is visible to a user.
Check DObj Visibility Strength **(S)**	Specifies the property that Siebel CRM examines to determine the visibility strength of the dock object.
Check Dock Object Name **(S)**	Specifies the name of an object definition that Siebel CRM uses to determine if it is related to another record that the user receives.
DBX SQL Statement **(S)**	Specifies the SQL statement that Siebel CRM uses to extract a database.
Dock Object Sub Type **(S)**	Specifies the sub type of the dock object.

Property	Description
Employee Column Name **(S)**	Specifies the name of the column that Siebel CRM uses to evaluate each record according to if it includes a foreign key to the Employee record of the remote user.
Employee Table Name **(S)**	Specifies the name of the employee table.
Name **(S)**	Specifies the name of the dock object visibility rule.
Node Column Name **(S)**	Specifies the column name for the node dock object visibility rule.
Node Table Name **(S)**	Specifies the table name for the node dock object visibility rule.
Organization Column Name **(S)**	Specifies the column name for the organization dock object visibility rule.
Organization Table Name **(S)**	Specifies the table name for the organization dock object visibility rule.
Partial **(S)**	Not used.
Position Column Name **(S)**	Specifies the column name for the position dock object visibility rule.
Position Table Name **(S)**	Specifies the table name for the position dock object visibility rule.
Sequence **(S)**	Specifies an integer that determines the order that Siebel CRM uses to run this visibility rule relative to other visibility rules.
Source Column Name **(S)**	Specifies the source column name for the check dock object visibility rule.
Source Table Name **(S)**	Specifies the source table name for the check dock object visibility rule.
SQL Statement **(S)**	Specifies the SQL statement for the SQL dock object visibility rule.
Target Column Name **(S)**	Specifies the target column name for the check dock object visibility rule.
Target Table Name **(S)**	Specifies the target table name for the check dock object visibility rule.
Type **(S)**	Specifies the type of the dock object visibility rule.
Visibility Event Columns **(S)**	Specifies the visibility event columns for the dock object visibility rule.
Visibility Strength **(S)**	Specifies the visibility strength of the dock object visibility rule. This property can contain only an integer between 0 and 100: • A value of 100 provides full visibility.

Property	Description
	• A value of 0 provides no visibility. • A value between 1 and 100 provides partial visibility.

EIM Interface Table Object Types

This topic describes the EIM Interface Table object type and the object types that are children of this object type. It includes the following topics:

- *Attribute Mapping*
- *EIM Explicit Primary Mapping*
- *EIM Interface Table*
- *EIM Interface Table Column*
- *EIM Table Mapping*
- *Foreign Key Mapping*
- *Foreign Key Mapping Column*
- *Interface Table User Key Usage*

Attribute Mapping

An attribute mapping identifies an attribute column that Siebel CRM updates. This column resides in the destination table that the parent Siebel Enterprise Integration Manager (EIM) table mapping identifies.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *EIM Interface Table* > *EIM Table Mapping* > Attribute Mapping**

The following table describes properties that Siebel CRM uses with an attribute mapping.

Property	Description
Base Table Attribute Column Name **(S)**	Specifies the name of the attribute column in the base table.
Export Only **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM considers mappings for export. • **FALSE.** Siebel CRM does not consider mappings for export.
Interface Table Data Column **(S)**	Specifies the name of corresponding EIM Interface Table Column.
Name **(S)**	Specifies the name of the attribute column in the target table.

EIM Explicit Primary Mapping

An EIM explicit primary mapping maps a primary for the Siebel Enterprise Integration Manager (EIM). For more information, see *Siebel Developer's Reference* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *EIM Interface Table* > *EIM Table Mapping* > EIM Explicit Primary Mapping**

The following table describes properties that Siebel CRM uses with an EIM explicit primary mapping.

Property	Description
Inf Tbl Exp Primary Flg Col Name (S)	Specifies the name of the column that Siebel CRM uses for primary mapping.
Name (S)	Specifies the name of the table that Siebel CRM uses for the primary mapping.

EIM Interface Table

An EIM interface table is an alternative representation of a table that the Siebel Enterprise Integration Manager (EIM) uses only for interface tables. For more information, see *Siebel Enterprise Integration Manager Administration Guide* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > EIM Interface Table**

The following table describes properties that Siebel CRM uses with an EIM interface table.

Property	Description
Abbreviation 1 - 3 **(S)**	Specifies up to three alternative abbreviations for the table.
Alias **(S)**	Not used.
Base Table Name **(S)**	Specifies the Type property as one of the following: • Ext for extending • Journal for the name of the table that is journaling
EIM Delete Proc Column Name **(S)**	Specifies the name of the column that Siebel CRM deletes during data integration.

Property	Description
EIM Export Proc Column Name **(S)**	Specifies the name of the column that Siebel CRM exports during data integration.
EIM Merge Proc Column Name **(S)**	Specifies the name of the column that Siebel CRM merges during data integration.
File **(S)**	If TRUE, then Siebel CRM uses the table to save file attachment data.
Name **(S)**	Specifies the unique name of the table.
Parent Interface Table Name **(S)**	Specifies the name of the parent interface table.
Parent Table Column 1 Name **(S)**	Specifies the name of the column that references the primary parent if this table is a child table or intersection table.
Parent Table Column 2 Name **(S)**	Specifies the name of the column that references the second parent if this table is an intersection table.
Target Table Name **(S)**	Specifies the name of the target table.
Type **(S)**	Specifies the type of table.
User Name **(S)**	Specifies a user-friendly name for the table.

EIM Interface Table Column

An EIM interface table column is an alternative representation of a column that Siebel Enterprise Integration Manager (EIM) uses for a column that is a child of an interface table. For more information, see *Siebel Enterprise Integration Manager Administration Guide* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *EIM Interface Table* > EIM Interface Table Column**

The following table describes properties that Siebel CRM uses with an EIM interface table column.

Property	Description
Alias **(S)**	Not used.
Cascade Clear **(S)**	If TRUE, then EIM clears this foreign key if Siebel CRM deletes the related entity. This property must be FALSE for an extension column.

Property	Description
Default **(S)**	Specifies the value that Siebel CRM uses for this column in a new record.
Denormalization Path **(S)**	Specifies the path that Siebel CRM denormalizes if this is a denormalization column. Applies to denormalization of a user key column into an intersection table.
EIM Processing Column Flag **(S)**	If TRUE, then the column for this interface table is reserved for EIM processing. You must not use this property to allow this column to contain customer data.
Force Case **(S)**	Specifies to force new values to uppercase letters.
Foreign Key Table Name **(S)**	Specifies the table to which this column is a foreign key, EIM uses this property.
Lov Bounded **(S)**	If TRUE, then EIM examines the values in a list defined in a LOV Type. You must configure Siebel CRM to first import LOV data into the S_LST_OF_VAL table and you must specify LOV Type. This property is read-only for a predefined column in Siebel CRM but is editable for a column that you add through the Database Extension Designer.
Lov Type **(S)**	Specifies the list of values where Siebel CRM validates this column. Siebel CRM uses the Lov Type property with the LOV Bounded property. You define a list of values in List of Values administration screen in the client. This property is read-only for a predefined column in Siebel CRM but is editable for a column that you add through the Database Extension Designer.
Name **(S)**	Specifies a name that must be unique in the table.
Nullable **(S)**	If TRUE, then Siebel CRM can save NULL in this column.
Physical Type **(S)**	Specifies the data type of the column in the Siebel database.
Precision **(S)**	For more information, see *About the Precision and Scale Properties*.
Primary Child Col **(S)**	EIM uses this property. For Oracle use only.
Primary Child Column Name **(S)**	Specifies the name of the column that contains the primary ID value.
Primary Child Table Name **(S)**	Specifies the name of the table where Siebel CRM can locate the primary child.
Primary Inter Table Name **(S)**	EIM uses this property. For Oracle use only.
Primary Join Column Name **(S)**	Specifies the name of the column that Siebel CRM uses to join the record.
Primary Key **(S)**	If TRUE, then Siebel CRM uses this column as part of the primary key of the table.

Property	Description
Required **(S)**	If TRUE, then Siebel CRM requires this column. This requirement is true even if the Siebel database allows a NULL value.
Scale **(S)**	For more information, see *About the Precision and Scale Properties*.
Sequence Object **(S)**	If TRUE, then Siebel CRM uses a sequence object and automatically creates case column values. Only one foreign key can exist for the foreign key table for each table. For Oracle use only.
Text Length **(S)**	Specifies the length in characters for a Text column or Varchar column. The column size in Siebel Tools is not the same as the column size in the physical database. For more information about this difference, see 531960.1 (Article ID) on My Oracle Support.
Translate	For Oracle internal use only. You must leave this property set to FALSE for an extension column.
Translation Table Name **(S)**	Specifies the name of the translation table.
Type **(S)**	Specifies the type.
Use FKey **(S)**	If TRUE, then Siebel CRM uses this foreign key during synchronization to evaluate visibility. You must leave this property set to FALSE for an extension column.
Use Key Sequence **(S)**	Specifies the order that Siebel CRM uses this column in the user key.
User Name **(S)**	Specifies the user-friendly name for the column.
Valid Condition **(S)**	Specifies the expression that Siebel CRM uses to validate column values.

EIM Table Mapping

An EIM table mapping identifies a data table that the parent EIM interface table object definition updates. Siebel Enterprise Integration Manager (EIM) uses this object. For more information, see *Siebel Enterprise Integration Manager Administration Guide* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *EIM Interface Table* > EIM Table Mapping**

The following table describes properties that Siebel CRM uses with an EIM table mapping.

Property	Description
Default Map Column Name Prefix (S)	Specifies the prefix for the default column that Siebel CRM maps during data integration.
Destination Table Name (S)	Specifies the name of the target table for the mapping.
EIM Exists Proc Column Name (S)	Specifies the name of the existing column that Siebel CRM uses during data integration.
EIM ROW_ID Proc Column Name (S)	Specifies the name of the row ID column that Siebel CRM uses during data integration.
EIM Status Proc Column Name (S)	Specifies the name of the status column that Siebel CRM uses during data integration.
EIM Unique Proc Column Name (S)	Specifies the unique name of the column that Siebel CRM uses during data integration.
Explicit Mapping (S)	If TRUE, then Siebel CRM maps the table during data integration.
Name **(S)**	Specifies the name of the target table.
Second Row **(S)**	If TRUE, then Siebel CRM separates one row in the EIM table into two different rows in the table. If you must map a table to an EIM table two times, then you can set this property. You can use this property with a table that includes a data row pair, such as the S_INV_LGR_ENTRY table.

Foreign Key Mapping

A foreign key mapping identifies a foreign key column in the destination table that an interface table populates. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Siebel Enterprise Integration Manager Administration Guide* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *EIM Interface Table* > *EIM Table Mapping* > Foreign Key Mapping**

The following table describes properties that Siebel CRM uses with a foreign key mapping.

Property	Description
EIM Foreign Key Proc Column **(S)**	Specifies the name of the column that EIM uses as the foreign key.
Export Only **(O)**	If TRUE, then the Foreign Key Mapping Column object definitions identify user key columns to the interface table so that Siebel CRM gets foreign key values when an export occurs. Each Foreign Key Mapping Column object definition identifies part of the user key columns that Siebel CRM uses to locate rows in the table that the foreign key references. The combination of user key columns uniquely identifies rows in this table.

Property	Description
Foreign Key Column Name **(S)**	Specifies the name of the column that Siebel CRM uses as the foreign key.
Name **(S)**	Specifies the name of the foreign key column.
Override Ref Column Name **(S)**	Specifies the name of the column that Siebel CRM uses to override the value that the EIM Foreign Key Proc Column property contains.
User Key Name **(S)**	Specifies the name of the user key column that Siebel CRM finds in the user key index.

Foreign Key Mapping Column

A foreign key mapping column identifies a part of the user key. It identifies an attribute column that Siebel CRM uses to locate rows in the table that the foreign key references. The combination of user key columns uniquely identifies rows in this table. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Siebel Enterprise Integration Manager Administration Guide* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *EIM Interface Table* > *EIM Table Mapping* > *Foreign Key Mapping* > Foreign Key Mapping Column**

The following table describes properties that Siebel CRM uses with a foreign key mapping column.

Property	Description
Interface Table Data Column Name **(S)**	Specifies the name of the column in the interface table that supplies the data.
Name **(S)**	Specifies the name of the user key column.
Self Ref Mapping Column Name **(S)**	Specifies the name of the column.
Self Reference Join **(S)**	If TRUE, then Siebel CRM allows a join operation between the self-reference mapping column and the foreign key mapping column.
User Key Attribute Name **(S)**	Specifies the name of the attribute column.

Interface Table User Key Usage

An interface table user key usage provides support for alternative user keys for tables. It determines how Siebel CRM uses a nontraditional user key for an interface table. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Siebel Enterprise Integration Manager Administration Guide* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *EIM Interface Table* > Interface Table User Key Usage**

The following table describes properties that Siebel CRM uses with an interface table user key usage.

Property	Description
Application Table Name **(S)**	Specifies the name of the base table in an interface table.
Name **(S)**	Specifies the name of an interface table user key usage.
User Key Name **(S)**	Specifies the name of the user key.

Entity Relationship Diagram Object Types

This topic describes the Entity Relationship Diagram object type and the object types that are children of this object type. It includes the following topics:

- *Entity*
- *Entity Attribute (H)*
- *Entity Physical Relation (H)*
- *Entity Relation*
- *Entity Relationship Diagram*

Entity

An entity contains entity properties.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Entity Relationship Diagram* > Entity**

The following table describes properties that Siebel CRM uses with an entity.

Property	Description
Business Component	Specifies a user-defined entity or an entity that is associated with an existing business component.
Name	Specifies the name of the entity. The default name is Entity 1. You can modify this value.

Entity Attribute (H)

An entity attribute contains information about an attribute in an entity.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects** > ***Entity Relationship Diagram*** > ***Entity*** > **Entity Attribute**

The following table describes properties that Siebel CRM uses with an entity attribute.

Property	Description
Business Component	Specifies the business component to display for the parent entity object. This property is read only.
Business Component Field	Specifies the field that contains a picklist of the properties on the business component that Siebel CRM maps to the entity. For example, if Siebel CRM maps the Account business component to an entity, then the Business Component Field picklist contains Account Competitors, Account Conditions, Account Markets, and so on.
Data Example	Specifies a text example of an entity attribute.
Data Type	Specifies the data type for this entity attribute.
Format String	Specifies the string format for this entity attribute. For example, to specify the format string for a telephone number, you can enter the following value: `(XXX) XXX-XXXX`
Length	Specifies the maximum length for this entity attribute.
Name	Specifies the name for this entity attribute.
Pick List Domain	Specifies the set of values for an entity attribute that you define from a picklist.
Pick List Required	If TRUE, then a picklist is required.
User Key Flag	If TRUE, then this entity attribute is a user key.

Property	Description

Entity Physical Relation (H)

An entity physical relation if you bind a relation in the ERD these fields become populated as read-only fields.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Entity Relationship Diagram* > *Entity Relation* > Entity Physical Relation**

The following table describes properties that Siebel CRM uses with an entity physical relation.

Property	Description
Business Component	Specifies the primary business component depending on if this entity physical relation is a: • **Link.** Specifies the business component name. • **Join.** Specifies the parent business component.
Join Alias	Specifies the join alias if this entity physical relation is a join.
Link Name	Specifies the link name if this entity physical relation is a link.
Name	Specifies the name of the repository object that Siebel CRM binds to this entity physical relation depending on if this entity physical relation is a: • **Link.** Specifies the link name. • **Join.** Specifies the join alias.

Entity Relation

An entity relation contains the definition of the relation that Siebel Tools displays on the canvas.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Entity Relationship Diagram* > Entity Relation**

The following table describes properties that Siebel CRM uses with an entity relation.

Property	Description
Cardinality	Specifies one of the following relationships: • 1:1 (one to one) • 1:M (one to many)

Property	Description
	• M:1 (many to one) • M:M (many to many)
End Name 1	Specifies the name for the start of the relationship.
End Name 2	Specifies the name for the end of the relationship.
Entity 1	Specifies the entity at the start of the relationship. You can specify an entity that references a predefined business component or a custom entity.
Entity 2	Specifies the entity at the end of the relationship. You can specify an entity that references a predefined business component or a custom entity.

Name	Specifies the name of the entity relation. You can specify the default name, such as Relation0, or you can use a custom name, such as one of the following names:
	`Owns for Customer`
	`Owns Automobile`

Entity Relationship Diagram

An entity relationship diagram allows a business analyst or developer to define business entities and then map the appropriate Siebel object to each entity.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Entity Relationship Diagram`

The following table describes properties that Siebel CRM uses with an entity relationship diagram.

Property	Description
Name	Specifies the name of the entity relationship diagram (ERD). This name must be unique.
Status	Specifies the status of the entity relationship diagram.

External Search Engine Object Type

This topic describes the External Search Engine object type.

External Search Engine (H)

An external search engine customizes search content. A search engine includes one or more search tables and each of these tables includes one or more search fields.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > External Search Engine`

The following table describes properties that Siebel CRM uses with an external search engine.

Property	Description
Max Rows **(O)**	Specifies the maximum number of result rows to get.
Max Time **(O)**	Specifies the maximum time in seconds to search.
Name **(R)**	Specifies the logical name of this search definition. This value is the value for the SearchDefName parameter in the configuration file.
Sort Specification **(O)**	Specifies the sort expression that orders the records that Siebel CRM returns. For example: `SCORE DESC, FILENAME ASC`

Find Object Types

This topic describes the Find object type and the object types that are children of this object type. It includes the following topics:

- *Find*
- *Find Field*
- *Find Field Locale*
- *Find Locale*
- *Find Pick View*
- *Find View*

Find

A find creates an entry that Siebel CRM can add to the Find dialog box in the client.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Find`

The following table describes properties that Siebel CRM uses with a find.

Property	Description
Applet **(R)**	Specifies the applet that the find uses. The view that Siebel CRM specifies for every Find View object definition for the Find object must include this applet.
Destination Field **(R)**	Specifies the destination field that Siebel CRM uses to drill down into a record. This field resides in the business component that the applet references. If the Destination Field property is empty, then Siebel CRM uses the row ID field.
Display Name **(O)**	Specifies the display name for the Find object.
Drilldown View **(O)**	Specifies the view that Siebel CRM displays if the user drills down. If the Drilldown View property is empty, then it uses the Find View.
Name **(R)**	Specifies the name of the Find object definition. You reference this value when you configure the application find object definitions that use this Find object definition.
Preview **(O)**	Specifies the view that Siebel CRM displays in a separate browser window if the user clicks the Preview button in the Search Center. This preview view is typically a read-only view. For example, the preview for the Accounts find is Accounts Preview View.

Find Field

A find field adds a search field to the Find dialog box that Siebel CRM displays in the client.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Find* > Find Field**

The following table describes properties that Siebel CRM uses with a find field.

Property	Description
Display In Entry **(O)**	Specifies a TRUE or FALSE value.
Display In Results **(O)**	Specifies a TRUE or FALSE value.
Display Name **(O)**	Specifies the text or a key to the localized text that Siebel CRM displays for this find field if the parent find object definition of this find field is active in the Find dialog box.
Drilldown Business Component	Specifies the business component of the search result record that Siebel CRM queries in the destination view. This property allows you to configure separate drilldowns on the various fields in the Find Results applet.
Drilldown Destination Field	Specifies the field in the destination business component whose value equals the value of the source field in the source business component. This property allows you to configure separate drilldowns on

Property	Description
	the various fields in the Find Results applet. If you do not specify a value in the Drilldown Source Field property, then do not specify a value in the Drilldown Destination Field property. The value you enter in the Drilldown Destination Field property is valid only for Find results.
Drilldown Source Field	Specifies the field in the source business component whose value equals the value of the field in the destination business component. This property allows you to configure separate drilldowns on the various fields in the Find Results applet. The value you enter in the Drilldown Source Field property is valid only for Find results.
Drilldown View	Specifies the view where Siebel CRM displays the search result record if the user drills down. This property allows you to configure separate drilldowns on the various fields in the Find Results applet.
Field **(R)**	Specifies the field that Siebel CRM searches in the business component.
Name **(R)**	Specifies the name of the search field.
Sequence **(O)**	Specifies the order that Siebel CRM uses to position this find field in the list of fields that it displays in the Find dialog box for the parent find object definition. The Sequence property can contain only an integer.
Sequence - Language Override **(O)**	Specifies to modify the Sequence property if a language or locale is active. The Sequence - Language Override property can contain only an integer.
Title **(O)**	Reserved for future use.

Configuring the Field for a Find Field

The field that you specify in a find field must exist in the business component that the applet references for the find object definition.

Configuring Query For the Find Dialog Box

The configuration of the Find dialog box and the configuration of a query by example might be different for a multivalue field. The Find dialog box uses the same query that an EXISTS query on a field in a query by example uses. To verify this configuration, you can use an Exists expression in the query by example. For example:

```
Exists (Aga*)
```

Query by example supports each type of querying, but to keep the Find dialog box simple, Siebel CRM uses a query that works in all situations. If your implementation must not use the EXISTS configuration in the Find dialog box, then you can do the following:

1. Create a join from the primary ID field for the multivalue link to the table that contains the data.
2. Add a field on the table that you joined in the preceding instructions.
3. Configure the find field to reference the field you added in the preceding instructions.

Find Field Locale

A find field locale defines language overrides that Siebel CRM uses with a find field.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Find* > *Find Field* > Find Field Locale**

The following table describes properties that Siebel CRM uses with a find field locale.

Property	Description
Display Name **(O)**	Specifies the text or the key to the localized text that Siebel CRM displays for this find field if the parent find object definition is active in the Find dialog box for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**
Sequence **(O)**	Specifies the order that Siebel CRM uses to position this find field in the list of fields that it displays in the Find dialog box for the parent find object definition. The Sequence property can contain only an integer.

Find Locale

A find locale defines the language overrides that Siebel CRM uses with a find.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Find* > Find Locale**

The following table describes properties that Siebel CRM uses with a find locale.

Property	Description
Display Name **(O)**	Specifies the display name for the Find object for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Find Pick View

A find pick view identifies the applet in the pick view that receives items from the find results list. Siebel CRM can associate find results to an applet if a relationship exists between the applet and the parent of this applet, and if the search result and the Pick Applet reference the same business components. To create this relationship in Siebel Tools, you use an intersection table that creates a link between the two business components.

The following is an example configuration for the Opportunities find category:

- Configuration of the pick view is Contact Detail - Opportunities View
- Configuration of the pick applet is Opportunity List Applet - Basic

In this example, if a many-to-many relationship exists between the parent Contact applet and the child Opportunity List Applet - Basic applet, then Siebel CRM can attach an Opportunity Find result to the Opportunity List Applet - Basic applet.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Find* > Find Pick View**

The following table describes properties that Siebel CRM uses with a find pick view.

Property	Description
Applet Name **(O)**	Specifies the name of an applet in a view that allows the user to associate a child record to a parent.
Field Name **(O)**	Specifies the MVG field. Siebel CRM does not support this property in Siebel CRM version 7.
Name **(R)**	Property is hidden and its value is defaulted from the View Name property.
View Name **(O)**	Specifies the name of the view.

Find View

A find view specifies the view that Siebel CRM displays if it uses the Find dialog box to perform a find operation.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Find* > Find View**

The following table describes properties that Siebel CRM uses with a find view.

Property	Description
Sequence **(O)**	Specifies the order that Siebel CRM uses to display views for a find object definition. The find operation uses the first find view object definition that it encounters in the responsibility list for the user. Different views apply different visibility. It is recommended that you configure Siebel CRM to examine the least restrictive view in this list first and the most restrictive view last. This order allows users who

Property	Description
	possess different responsibilities to use the broadest visibility that Siebel CRM allows the user to apply when the user must find an item.
View **(R)**	Specifies the name of the view that Siebel CRM uses for the find operation if this find view is used.

Help Id Object Type

This topic describes the Help Id object type.

Help Id

A help Id specifies the HTML file name that contains the help topics for a screen in the client. To reference it, you enter the help Id name in the Help Identifier property of a view or screen. If the user chooses the Help menu and then clicks Contents, then Siebel CRM calls the GotoPage method of the Siebel Web Engine (SWE). This method uses SWE code to display the correct help topic in a separate browser window. For more information about help, see *Siebel Object Interfaces Reference* .

This object type occurs in the following location in the object hierarchy:

- **`Siebel Objects > Help Id`**

The following table describes properties that Siebel CRM uses with a help Id.

Property	Description
HTML Help URL **(O)**	Specifies the URL for HTML help. As of Siebel CRM 21.2 Update, the URL is relative to the **`SIEBEL_AI_ROOT/applicationcontainer_external/siebelwebroot`** directory on the Siebel Application Interface installation. This URL includes the HTML file that includes help content. For example, you can enter the following value in the HTML Help URL property: **`help/siebaccounts.htm`**
Name **(R)**	Specifies the string that identifies the help topic. This string must contain no special characters except for the underscore (_) symbol. It uses the following format: **`ID_`*`type_object_name`*** where: • *type* is VIEW or SCREEN. You must use all upper case letters. • *object_name* identifies the view or screen For example, you can use the following value for the Accounts screen help: **`ID_SCREEN_ACCOUNTS`**
Type **(O)**	Specifies the object type that can use this help topic. For example:

Property	Description
	`View`
Value **(O)**	Not used.

HTML Hierarchy Bitmap Object Type

This topic describes the HTML Hierarchy Bitmap object type.

HTML Hierarchy Bitmap

An HTML hierarchy bitmap is a top-level object that determines the set of bitmaps that Siebel CRM uses to display hierarchical information.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > HTML Hierarchy Bitmap`

The following table describes properties that Siebel CRM uses with an HTML hierarchy bitmap. If a property in this table references a bitmap, then the Bitmap Category property of this bitmap must be set to HTML Hierarchy Icons.

Property	Description
Arrow Down Bitmap **(O)**	Specifies the name of the bitmap object that defines a down arrow image.
Arrow Up Bitmap **(O)**	Specifies the name of the bitmap object that defines an up arrow image.
Bar Bitmap **(O)**	Specifies the name of the bitmap object that defines a vertical bar image.
Close Bitmap **(O)**	Specifies the name of the bitmap object that defines a closed folder image.
Collapse Bitmap **(O)**	Specifies the name of the bitmap object that defines a collapsed folder image.
Collapse Elbow Bitmap **(O)**	Specifies the name of the bitmap object that defines a collapsed elbow image.
Collapse Tee Bitmap **(O)**	Specifies the name of the bitmap object that defines a collapsed tee image.
Elbow Bitmap **(O)**	Specifies the name of the bitmap object that defines an elbow image.
Expand Bitmap **(O)**	Specifies the name of the bitmap object that defines an expanded image.
Expand Elbow Bitmap **(O)**	Specifies the name of the bitmap object that defines an expanded elbow image.

Property	Description
Expand Tee Bitmap **(O)**	Specifies the name of the bitmap object that defines an expanded tee image.
Leaf Bitmap **(O)**	Specifies the name of the bitmap object that defines a document image.
Name **(R)**	Specifies the name of this HTML hierarchy bitmap.
Open Bitmap **(O)**	Specifies the name of the bitmap object that defines an open folder image.
Space Bitmap **(O)**	Specifies the name of the bitmap object that defines a white space image.
Tee Bitmap **(O)**	Specifies the name of the bitmap object that defines a |- (pipe dash) image.

Icon Map Object Types

This topic describes the Icon Map object type and the object types that are children of this object type. It includes the following topics:

- *Icon*
- *Icon Map*

Icon

An icon specifies then icon that a bitmap uses to define the image for the icon.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Icon Map* > Icon**

The following table describes properties that Siebel CRM uses with an icon.

Property	Description
Bitmap **(O)**	Specifies the bitmap that Siebel CRM uses for the icon.
Bitmap Category **(O)**	Specifies the bitmap category in which the icon bitmap belongs.
Name **(R)**	Specifies the name of the icon that Siebel CRM compares to the field value.

Icon Map

An icon map defines a collection of icon objects that Siebel CRM uses in controls and list columns to map a field value to an icon. To determine the icon that Siebel CRM uses to display the field value, it compares the field value to the icon name.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > Icon Map**

The following table describes properties that Siebel CRM uses with an icon map.

Property	Description
Name **(R)**	Specifies the name of the icon map.

Import Object Object Types

This topic describes the Import Object object type and the object types that are children of this object type. It includes the following topics:

- *Import Aux Field*
- *Import Field*
- *Import Field Column*
- *Import Field Locale*
- *Import Field Map*
- *Import Key Field*
- *Import Object*
- *Import Source*

Import Aux Field

An import aux field defines the auxiliary key field name for the business component defined in the import object. If more than one item references the key field, then Siebel CRM does a second search that uses the auxiliary key fields. For example, Account and Account Location for Contact.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Import Object* > Import Aux Field**

The following table describes properties that Siebel CRM uses with an import aux field.

Property	Description
Aux Field Name **(R)**	Specifies the auxiliary key field name.
Name **(R)**	Specifies the name in the import object.

Import Field

An import field defines a field. Siebel CRM imports data to this field.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Import Object* > Import Field**

The following table describes properties that Siebel CRM uses with an import field.

Property	Description
Display Name **(O)**	Specifies the value that Siebel CRM uses as the column heading or the key to the international message table.
Field **(R)**	Specifies the name of a field. Siebel CRM imports data to this field.
Name **(R)**	Specifies the name in the import object.

Import Field Column

An import field column defines the column in the import source that Siebel CRM uses to import the data. It imports this data into the parent import field of the corresponding data map.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Import Object* > *Import Source* > *Import Field Map* > Import Field Column**

The following table describes properties that Siebel CRM uses with an import field column.

Property	Description
Column **(R)**	Specifies the name of the column.
Name **(R)**	Specifies the name in the import object.

Import Field Locale

An import field locale defines language overrides that Siebel CRM uses with an import field.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Import Object* > *Import Field* > Import Field Locale**

The following table describes properties that Siebel CRM uses with an import field locale.

Property	Description
Display Name **(O)**	Specifies the value that Siebel CRM uses as the column heading or the key to the international message table for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Import Field Map

An import field map defines the mapping between the business component field and the column in the import source.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Import Object* > *Import Source* > Import Field Map**

The following table describes properties that Siebel CRM uses with an import field map.

Property	Description
Country Code Column **(O)**	Specifies the name of the country code column in the import source.
Display Name **(O)**	Specifies the value that Siebel CRM uses as the column heading or the key to the international message table.
Field **(R)**	Specifies the name of a field. Siebel CRM imports data to this field.
Name **(R)**	Specifies the name in the import source.
Parse Middle Name **(O)**	If TRUE, then Siebel CRM parses the middle name out of the full name.
Separator Character **(O)**	Specifies the character that Siebel CRM inserts between the parts the input data if this input data include separate parts.

Import Key Field

An import key field defines the key field name for the business component defined in the import object. Siebel CRM uses the import key field to search for duplicates. For example, the contact import object includes the First Name, Middle Name, and Last Name key fields.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Import Object* > Import Key Field**

The following table describes properties that Siebel CRM uses with an import key field.

Property	Description
Key Field **(R)**	Specifies the key field name.
Name **(R)**	Specifies the name in the import object.

Import Object

An import object defines the information that Siebel CRM uses to import external data into a business component.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > Import Object**

The following table describes properties that Siebel CRM uses with an import object.

Property	Description
Business Component **(R)**	Specifies the name of a business component. Siebel CRM imports data into this business component.
Name **(R)**	Specifies the name of the import object.

Import Source

An import source defines the source that Siebel CRM uses to import data. For example, ACT! or ECCO.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Import Object* > Import Source**

The following table describes properties that Siebel CRM uses with an import source.

Property	Description
Name **(R)**	Specifies the name of the import source.

Integration Object Object Types

This topic describes the Integration Object object type and the object types that are children of this object type. It includes the following topics:

- *Integration Component*
- *Integration Component Field*
- *Integration Component Field User Prop*
- *Integration Component Key*
- *Integration Component Key Field*
- *Integration Component User Prop*
- *Integration Object*
- *Integration Object User Prop*

Integration Component

An integration component structures an inbound or outbound message string into a format that Siebel CRM or an external application can recognize. The integration component is an intermediate structure that helps resolve any difference that exists between the format that Siebel CRM uses and the format that an external application uses.

This object type occurs in the following location in the object hierarchy:

- **`Siebel Objects > Integration Object > Integration Component`**

The following table describes properties that Siebel CRM uses with an integration component.

Property	Description
Adapter Info **(S)**	Oracle uses this property with the Integration Object Wizard.
Business Component **(O)**	Specifies the name of the business component.
Cardinality **(O)**	Specifies the number of integration components.
External Name **(S)**	Specifies the name of the structure that the external application can recognize.
External Sequence **(O)**	Specifies the order that Siebel CRM uses to process integration components. This property can contain only an integer.
Name **(R)**	Specifies the name of the integration component.

Property	Description
Parent Integration Component **(O)**	Specifies the name of the parent integration component for this component only if a parent exists. Only one active integration component in an integration object can be the root integration component. If this integration component is the root integration component, the you must leave the Parent Integration Component property empty.
XML Container Element **(O)**	Specifies the XML Tag that Siebel CRM uses to enclose elements that represent this integration component.
XML Sequence **(O)**	Specifies the order that Siebel CRM uses to display integration components in an XML document. This property can contain only an integer.
XML Tag **(O)**	Specifies the XML tag name that Siebel CRM creates for this integration component if Siebel CRM converts it into an XML document.

Integration Component Field

An integration component field is a field of an integration component object.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects** > *Integration Object* > *Integration Component* > **Integration Component Field**

The following table describes properties that Siebel CRM uses with an integration component field.

Property	Description
Adapter Info **(S)**	Oracle this property with the Integration Object Wizard.
Business Component Field **(O)**	Specifies the name of the business component field.
Column **(O)**	Specifies the name of the column.
External Data Type **(R)**	Specifies the data type of the field that Siebel CRM gets from the external application.
External Length **(O)**	Specifies the length of the external data element that corresponds to the Integration component field.
External Name **(O)**	Specifies the external name of a data component or element that an external application can recognize.
External Precision **(O)**	For more information, see *About the Precision and Scale Properties*.
External Required **(O)**	If TRUE, then the external application requires the external data element. For example, an external application might require a ROWID that uses ROWID as a primary key field in a non-Siebel database.

Property	Description
External Scale **(O)**	For more information, see *About the Precision and Scale Properties*.
External Sequence **(O)**	Specifies the order that the adapter uses to process integration component fields. Semantics are different for each adapter.
Field Type **(O)**	Specifies the field type. The Object List Editor uses the following label to represent a field type: Type You can use one of the following values: • **Custom.** Manually sends custom attributes that are not necessarily part of the actual data but are related to the data context. For more information about this field type value, see *Integration Platform Technologies: Siebel Enterprise Application Integration* . • **Data.** Contains raw field data that can Siebel CRM can format. It formats an XML document as delimited strings and saves it in this type of field. • **System.** Contains data that Siebel CRM formats in Siebel format. You can use it to specify the primary rows of a multivalue group or to specify an operation for an integration object instance.
Group **(O)**	Not used.
Length **(O)**	Specifies the length of the Siebel field that corresponds to a Siebel table column.
Name **(R)**	Specifies the name of the field. The maximum length is 75 characters.
Physical Data Type **(O)**	Specifies the data type of the integration field in the integration space.
Precision **(O)**	For more information, see *About the Precision and Scale Properties*.
Required **(O)**	Specifies that the integration component is required in an integration object.
Scale **(O)**	For more information, see *About the Precision and Scale Properties*.
User Visible **(O)**	If TRUE, then this integration component field is visible to Data Transformation Engine users.
XML Literal Value **(O)**	Specifies the default value that Siebel CRM displays in an XML document if the value for this integration component field is not specified.
XML Parent Element **(O)**	Specifies the name of the parent element to which this integration component field belongs. This parent element becomes an XML tag.
XML Sequence **(O)**	Specifies the order that Siebel CRM uses to display integration component fields in an XML document. This property can contain only an integer.

Property	Description
XML Style **(O)**	Specifies the name of the XML style. It determines if Siebel CRM formats this integration component field as an XML attribute or an XML element if Siebel CRM creates an XML document for the integration object that contains this field.
XML Tag **(O)**	Specifies an XML element that defines this integration component field. If the XML Tag property is empty, then Siebel CRM assigns an XML tag to the integration component field when it sends this data to an external application. The maximum length for this property is 75 characters.

Integration Component Field User Prop

An integration component field user prop sends a property value to the C++ code that implements special configuration for an integration component field. Siebel CRM persists the value that you configure for a user property in the Siebel runtime repository.

For more information, see *Object Types That You Must Not Modify*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Integration Object* > *Integration Component* > *Integration Component Field* > Integration Component Field User Prop**

The following table describes properties that Siebel CRM uses with an integration component field user prop.

Property	Description
Name **(R)**	Specifies the name of the integration component field user prop.
Value **(O)**	Specifies the value of the integration component field user prop.

Integration Component Key

An integration component key defines a key for an integration component. A key includes one or more key fields that Siebel CRM uses to detect duplicate rows. An integration component key field defines these key fields.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Integration Object* > *Integration Component* > Integration Component Key**

The following table describes properties that Siebel CRM uses with an integration component key.

Property	Description
Key Sequence Number **(O)**	Specifies the order that Siebel CRM uses to process integration component keys that are of the same type. This property can contain only an integer.
Key Type **(R)**	Type of integration component key.
Name **(R)**	Specifies the name of this integration component key. The maximum length that you can specify in this property is 75 characters.
Target Key Name **(O)**	Specifies the target key that this foreign key references. Siebel CRM maps fields are mapped according to sequence. Siebel CRM uses the Target Key Name property only for a key of type Foreign Key.

Integration Component Key Field

An integration component key field defines an integration field as a key field for a key in an integration object. Siebel CRM implements the integration component key field object as an intersection table between integration fields and integration component keys.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > *Integration Object* > *Integration Component* > *Integration Component Key* > Integration Component Key Field

The following table describes properties that Siebel CRM uses with an integration component key field.

Property	Description
Field Name **(R)**	Specifies the name of integration component field.
Name **(R)**	Specifies the name of the integration component key field.
Sequence **(O)**	Specifies the order that Siebel CRM uses to process integration component key fields. This property can contain only an integer.

Integration Component User Prop

An integration component user prop sends a property value to C ++ code that implements special configuration for an integration component. Siebel CRM persists the value that you configure for a user property in the Siebel runtime repository.

For more information, see *Object Types That You Must Not Modify*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Integration Object* > *Integration Component* > Integration Component User Prop**

The following table describes properties that Siebel CRM uses with an integration component user prop.

Property	Description
Name **(R)**	Specifies the name of the integration component user prop.
Value **(O)**	Specifies the Value of the integration component user prop.

Integration Object

An integration object provides a logical representation of external application data or of Siebel data that Siebel CRM must map to an external application.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > Integration Object**

The following table describes properties that Siebel CRM uses with an integration object.

Property	Description
Adapter Info **(O)**	Oracle uses this property to support the Integration Object Wizard.
Base Object Type **(R)**	Specifies one of several predefined object types that this integration object references.
Business Object **(O)**	Specifies the name of the business object.
External Major Version **(O)**	Not used.
External Minor Version **(O)**	Not used.
External Name **(R)**	Specifies the name of the object that an external function can recognize.
Name **(R)**	Specifies the name of the integration object.
XML Tag **(R)**	Specifies the XML tag name that Siebel CRM creates for this object when it converts an object to an XML document.

Integration Object User Prop

An integration object user prop sends a property value to C ++ code that implements special configuration for an integration object. Siebel CRM persists the value that you configure for a user property in the Siebel runtime repository.

For more information, see *Object Types That You Must Not Modify*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Integration Object* > Integration Object User Prop**

The following table describes properties that Siebel CRM uses with an integration object user prop.

Property	Description
Name **(R)**	Specifies the name of the integration object user prop.
Value **(O)**	Specifies the value of the integration object user prop.

Link Object Type

This topic describes the Link object type.

Link

A link specifies the relationship between two business components. The relationship can be one-to-many (1:M), such as parent and child, or many-to-many (M:M). For more information about links, see *Configuring Siebel Business Applications* .

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > Link**

The following table describes properties that Siebel CRM uses with a link.

Property	Description
Cascade Delete **(O)**	For more information, see *Setting the Cascade Delete Property of a Link*.
Child Business Component **(R)**	Specifies the name of a business component. The business component that the Parent Business Component property specifies determines the data for the business component that the Child Business Component property specifies.
Destination Field **(R)**	Specifies the name of a field in the child business component that Siebel CRM uses to logically join to the parent business component. The Destination Field property is required for a 1:M link.

Property	Description
Inter Child Column **(R)**	Specifies the name of a column in the intersection table that links this table to the child business component. The name is case-sensitive. It must use the same format that it uses in the Siebel database. The Inter Child Column property is required for a M:M link.
Inter Child Delete **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM deletes the association and the child record. • **FALSE.** Siebel CRM deletes only the association for the child record. You use FALSE only with a M:M link.
Inter Parent Column **(R)**	Specifies the name of a column in the intersection table that links this table to the parent business component. The name is case-sensitive. It must use the same format that it uses in the Siebel database. The Inter Parent Column property is required for a M:M link.
Inter Table **(R)**	Specifies the name of the intersection table. The name is case-sensitive. It must use the same format that it uses in the Siebel database. The Inter Table property is required for a M:M link.

Name **(R)**	Specifies the name for the link. The name can contain spaces and must be unique among links. Other objects use this name to reference this link. Siebel CRM manages this property. It uses the following format:
	`parent business component name/child business component name`
	For example:
	`Account/Account Contact`
	Note the following:
	• You must not modify the value in the Name property unless necessary.
	• You must not use the Calendar business component as the master or detail business component in a link.

No Associate **(O)**	If TRUE, then Siebel CRM cannot create a new association through the link. It can add new detail records. It does not display the association applet when it creates a new record for the child in a M:M relationship. It requires the user to enter a new record. It does not allow the user to associate this new record to an existing record. If the current view uses Admin Mode, then Siebel CRM ignores this property. You specify the No Associate property only for a M:M link.
No Delete **(O)**	If TRUE, then Siebel CRM does not delete child records through this link.
No Insert **(O)**	If TRUE, then Siebel CRM does not create new child records through this link. You specify the No Insert property only for a 1:M link. For more information, see the No Associate property for this object type.
No Inter Delete **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM never deletes intersection table records.

Property	Description
	• **FALSE.** Siebel CRM deletes intersection table records if it deletes a parent or a child record. The No Inter Delete property applies only to a M:M relationship.
No Update **(O)**	If TRUE, then Siebel CRM does not update child records through this link.
Parent Business Component **(R)**	Specifies the name of the business component whose data determines the records that the child business component gets. The Child Business Component property of this link specifies this child business component.
Primary Id Field **(O)**	Specifies the name of the field in the master business component that contains the row ID values that reference the primary records in the detail business component.
Search Specification **(O)**	Specifies an expression that Siebel CRM uses to filter the records it gets. If the link is active, then it applies this filter to the child business component.
Sort Spec **(O)**	Specifies an expression that Siebel CRM uses in an association list to order the detail records that it gets. You use the Sort Spec property only for a M:M link.
Source Field **(O)**	Specifies the name of a field in the parent business component that Siebel CRM uses to link to the child business component. This source field is a unique identifier for rows that exist in the parent business component. It is typically the field that maps to the ROW_ID column in the table that the parent business component references and that possesses the name Id. Siebel CRM does not display this field in the Fields list in the Object List Editor for the business component. The Id field displays only in the dropdown list for some properties, such as the Source Field property in some object types, such as the link. The default value for the Source Field property is Id. If this property is empty, then Siebel CRM uses Id.
Visibility Auto All **(O)**	You can use one of the following values: • **TRUE.** The user can access all views and can view all records in the child business component. • **FALSE.** The Visibility Type property of this link determines visibility.
Visibility Rule Applied **(O)**	Specifies how Siebel CRM applies visibility rules in a view that uses this link. Visibility settings in a view apply to the applet that the Visibility Applet property specifies. If a master-detail relationship exists between this applet and an applet that displays detail records, then you can use the Visibility Rule Applied property to allow the user to view detail records that the user cannot normally view because of visibility rules. The user cannot drill down to view the entire record. You can use one of the following values. Siebel CRM does the following if the current master-detail view references this link: • **Always.** Allow visibility rules in the detail records even though the Visibility Applet and Visibility Applet Type properties of this view do not use the active visibility. • **Never.** Disable visibility rules in the detail records.
Visibility Type **(O)**	Specifies the visibility type if the business component displays as a child in the given link. For more information, see the description of the Visibility Auto All property for this link.

Setting the Cascade Delete Property of a Link

The Cascade Delete property of a link specifies the action that Siebel CRM performs on detail business component records of the link if Siebel CRM deletes the master. You can use one of the following values:

- **CLEAR.** Siebel CRM removes the foreign key reference.
- **DELETE.** Siebel CRM deletes the child record.
- **NONE.** Siebel CRM performs no operations on the child record.

You must set the Cascade Delete property to CLEAR in the following situations:

- The child business component in this link is also a child business component in another link.
- Another business component references the same table that a child business component references, and this other business component is the child business component in another link. For example, assume the following links exist:
  - Contact/Action
  - Contact/Activity Plan

Action and Activity Plan reference the same table. You must make sure Cascade Delete is CLEAR for each link.

Do not set the Cascade Delete property to NONE for a many-to-many link. Siebel CRM deletes the intersection record for a many-to-many link but does not delete the child record. This child record might have other parents.

If multiple links exist that reference the same tables, then you must make sure that you set the Cascade Delete property consistently among all of these links. If Siebel CRM deletes a record that is a foreign key of another table, then it might or might not delete these references. If it does not delete these references, then row IDs might reference nonexistent records. Siebel CRM might convert these foreign keys to No Match Row Id for a multivalue group.

Menu Object Types

This topic describes the Menu object type and the object types that are children of this object type. It includes the following topics:

- *Menu*
- *Menu Item*
- *Menu Item Locale*

Menu

A menu defines a menu that the user can access.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Menu`

The following table describes properties that Siebel CRM uses with a menu.

Property	Description
Name **(R)**	Specifies the name of the menu.

Menu Item

A menu item references a command.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Menu* > Menu Item**

The following table describes properties that Siebel CRM uses with a menu item.

Property	Description
Caption **(O)**	Specifies the text that Siebel CRM displays in the menu. For example: **&Insert Record**
Command **(O)**	Specifies the name of a command object definition. This command specifies the method or accelerator for the menu item. For example: **Create Record**
Name **(R)**	Specifies the name of the menu item. For example: **Edit - Insert Record**
Position **(R)**	Identifies the position of the menu item. The top level positions are 1, 2, 3, and so on. The dot notation indicates hierarchy. For example: **3.1**
Restricted	For Oracle use only.

Menu Item Locale

A menu item locale defines language overrides that Siebel CRM uses with a menu item.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Menu* > *Menu Item* > Menu Item Locale**

The following table describes properties that Siebel CRM uses with a menu item locale.

Property	Description
Caption **(O)**	Specifies the text that Siebel CRM displays in the menu.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Message Category Object Types

This topic describes the Message Category object type and the object types that are children of this object type. It includes the following topics:

- *Message*
- *Message Category*
- *Message Locale*

Message

A message specifies the message that Siebel CRM displays in the client after it runs a query that the user requests. Siebel CRM uses with this object type with a **swe:messages** tag of the Siebel Web Engine.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Message Category* > Message**

The following table describes properties that Siebel CRM uses with a message.

Property	Description
Name **(R)**	Specifies the name of the message. For example: **Query Mode Prompt**
Text **(O)**	Specifies the text of the message. For example: **Enter Query**

Message Category

A message category includes content for messages that Siebel CRM displays in the client, messages in the **swe:messages** tag, other messages that the Siebel Web Engine uses, and error messages that you define.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > Message Category**

The following table describes properties that Siebel CRM uses with a message category.

Property	Description
Name **(R)**	Specifies the name of the message category. For example: **User Defined Errors**

Message Locale

A message locale defines the language overrides that Siebel CRM uses with a message.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Message Category* > *Message* > Message Locale**

The following table describes properties that Siebel CRM uses with a message locale.

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**
Text **(O)**	Specifies the text of the message.

Pager Object Type

This topic describes the Pager object type.

Pager Object

A pager object defines properties of business components that Siebel CRM uses to populate the default data in the Send Page applet.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > Pager Object**

The following table describes properties that Siebel CRM uses with a pager object.

Property	Description
Alpha Template **(O)**	Specifies the template that Siebel CRM uses to create default text to page an alphanumeric pager. It can include placeholders for business components field that Siebel CRM substitutes with real values at run time. The value for the Alpha Template property can contain the name of any template file that exists in the following user directory: `MSGTEMPL\language`
Business Component **(R)**	Specifies the business component that includes the paging-related properties. You can specify any business component that includes references to employees or fields that store data about pagers.
Employee Field **(O)**	Specifies the business component field that contains the login name of the employee that Siebel CRM must page. Siebel CRM locates this login name in the Employee business component that contains the default phone number and pager ID. If the Phone Field property and the PIN Field property contain values, then Siebel CRM ignores the Employee Field property.
Name **(S)**	For Oracle use only. You must not modify this property.
Numeric Template **(O)**	Specifies the template that Siebel CRM uses to create the default message text it uses when it pages a numeric pagers. It can include placeholders for business components field that Siebel CRM substitutes with real values at run time. The value for the Numeric Template property can contain the name of any template file that exists in the following user directory: `MSGTEMPL\language`
Phone Field **(O)**	Specifies the business component field that contains the *computer paging phone number* that Siebel CRM uses when it sends a page. This computer paging phone number is different from the personal phone number assigned to some pagers. It is also different from the phone number to page a touch-tone phone. Typically there is only one computer paging phone number available for each pager company. This number must support the TAPI protocol that computer paging uses.
PIN Field **(O)**	Specifies the business component field that contains the PIN (Personal Identification Number) or pager ID of the pager that Siebel CRM must page. This number is typically a six or seven digit number that identifies a pager.

Pick List Object Type

This topic describes the Pick List object type.

Pick List

A pick list lists valid values for a control or list column. To specify source and destination fields, you use a pick map. You do not specify source and destination fields in a pick list. For more information, see *Pick Map*.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Pick List`

The following table describes properties that Siebel CRM uses with a pick list.

Property	Description
Bounded **(O)**	If TRUE, then the user must use a value from the list of values that the drop-down list contains.
Business Component **(R)**	Specifies the name of the business component that Siebel CRM uses to populate values in the list of values.
Long List **(O)**	If TRUE, then Siebel CRM attempts to position the cursor on the current value in a long list of values. If the Long List property is TRUE, then the picklist returns a large set of values. To avoid affecting performance when the user scrolls or positions the cursor on the current value in the field, Siebel CRM does not immediately update field values for the current record. If the picklist contains more than 500 records, then it is recommended that you set the Long List property to TRUE.
Name **(R)**	Specifies the name of the picklist. The name must be unique among picklists. Other objects use this name to reference this picklist. The name can contain spaces.
No Delete **(O)**	If TRUE, then the user cannot delete a value from this picklist.
No Insert **(O)**	If TRUE, then the user cannot insert a value in this picklist.
No Merge **(O)**	If TRUE, then the user cannot merge two existing picklist values into a single value.
No Update **(O)**	If TRUE, then the user cannot update a value in this picklist.
Search Specification **(O)**	Specifies the search specification that Siebel CRM uses for this picklist. This specification is addition to the condition that the Search Specification property of the business component specifies. The Business Component property of this picklist specifies this business component.
Sort Specification **(O)**	Specifies the sort specification that Siebel CRM uses for this picklist. This specification replaces the condition that the Sort Specification property of the business component specifies. The Business Component property of this picklist specifies this business component.
Static **(O)**	You can use one of the following values: • **TRUE.** Use a static picklist. Get values for this picklist from a predefined list of values. A static picklist typically uses the PickList Generic or PickList Hierarchical business component. These business components display data that an administrator enters in the List of Values administration views. Siebel CRM displays a static picklist as a drop-down menu. For more information, see *Siebel Developer's Reference* . • **FALSE.** Use a dynamic picklist. Get the values for this picklist from the business component that the Business Component property specifies. Siebel CRM uses a pick applet dialog box to display a dynamic picklist.

Property	Description
Type Field **(O)**	Specifies the name of a business component field that Siebel CRM uses to get a set of records. It uses this field name with the Type Value property of this picklist.
Type Value **(O)**	Specifies the data value that Siebel CRM uses to get a set of records.
Visibility Auto All **(O)**	If TRUE, and if the user: • Can access any All views, then Siebel CRM sets visibility for the picklist business component to All. • Cannot access any All views, then the Visibility Type property determines visibility.
Visibility Type **(O)**	Specifies the visibility type if Siebel CRM uses values from the business component that this picklist references. For more information, see the description for the Visibility Auto All property of this picklist.

Project Object Type

This topic describes the Project object type.

Project

A project organizes object definitions and allows you to lock objects. Every object definition in the repository except for repositories or projects must belong to a project. If an object definition has a parent, then the child resides in the same project as the parent. For example, a field is a child of a business component.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Project`

The following table describes properties that Siebel CRM uses with a project.

Property	Description
Allow Object Locking	Specifies to allow you to lock an object, such as an applet or a business component.
Language Locked **(S)**	Specifies the language that Siebel CRM uses when it locks a record. It uses the current language that Siebel Tools is using. For example, ENU, JPN, DEU.
Locked **(O)**	If TRUE, then this project is currently locked.
Locked By Name **(O)**	If the Locked property is TRUE, then the Locked By Name property displays the name of the person who locked the project.
Locked Date **(O)**	If the Locked property is TRUE, then the Locked Date property displays the date and time when someone locked the project.

Property	Description
Name **(R)**	Specifies a unique name for this project.
Owner Branch	Reserved for future use.

Report Object Type

This topic describes the Report object type.

Report

To get help from Oracle with configuring Report object types, you can create a service request (SR) on My Oracle Support. Alternatively, you can phone Global Customer Support directly to create a service request or to get a status update on your current SR. Support phone numbers are listed on My Oracle Support. You can also contact your Oracle sales representative for Oracle Advanced Customer Services to request assistance from Oracle's Application Expert Services.

The following object types are for Oracle use only:

- Report
- Report Field
- Report Locale
- Sub Report
- Sub Report Field
- View Report
- View Report Locale

Repository Object Type

This topic describes the Repository object type.

Repository

A repository includes tables in a database where Siebel CRM stores object definitions.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Repository`

The following table describes properties that Siebel CRM uses with a repository.

Property	Description
Name **(S)**	Specifies the name of the repository.

Schema Maintenance Object Types

This topic describes the Schema Maintenance object type and the object types that are children of this object type.

Schema Maintenance

The following object types are for Oracle use only:

- Schema Maintenance Dependent Step
- Schema Maintenance Phase
- Schema Maintenance Phase Usage
- Schema Maintenance Platform Path
- Schema Maintenance Process
- Schema Maintenance Process Variable
- Schema Maintenance Step
- Schema Maintenance Step From
- Schema Maintenance Step Database Implementation
- Schema Maintenance Step Implementation
- Schema Maintenance Step To

Screen Object Types

This topic describes the Screen object type and the object types that are children of this object type. It includes the following topics:

- *Screen*
- *Screen Locale*
- *Screen View*
- *Screen View Locale*

Screen

A screen organizes views.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Screen`

The following table describes properties that Siebel CRM uses with a screen.

Property	Description
Bitmap Category **(O)(H)**	Specifies the name of the bitmap category that contains the definitions of the bitmap objects that this screen uses. For example, the Accounts bitmap category contains bitmap object definitions for the following items: • Logo bitmap that Siebel CRM displays at the top of the view bar in the Accounts screen. • Screen Tab Icon bitmap that Siebel CRM displays on the tab of the Accounts screen. The Accounts screen uses this Accounts bitmap category.
Default View **(O)**	Specifies the view that Siebel CRM displays if the user clicks a page tab for the screen. The view must be an entry in the screen view of the current screen. For example: `Account List View`
Help Identifier **(O)**	Specifies a help ID for a screen that includes help. For example: `ID_SCREEN_ACCOUNTS`
ICL Upgrade Path	For more information, see *Common Object Properties*.
Name **(R)**	Specifies the name of a screen. Other objects use this name to reference this screen. For example: `Accounts Screen`
Unrestricted Viewbar **(O)(H)**	You can use one of the following values: • **TRUE.** Siebel CRM displays all the views that the screen contains even if a view does not reference the same business object that this screen references. It displays these views in the view bar. • **FALSE.** Siebel CRM displays only the views that reference the same business object that this screen references. If you require the thread bar to display these views, then do not set the Unrestricted Viewbar property to FALSE.
Upgrade Behavior	For more information, see *Common Object Properties*.
Viewbar Text **(O)**	Specifies the label that Siebel CRM displays after the optional Logo bitmap in the view bar. For example: `Accounts`

Screen Locale

A screen locale defines language overrides that Siebel CRM uses with a screen.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Screen* > Screen Locale**

The following table describes properties that Siebel CRM uses with a screen locale.

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**
Viewbar Text **(O)**	Specifies the label that Siebel CRM displays after the optional Logo bitmap in the view bar.

Screen View

A screen view defines the collection of views for a screen.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Screen* > Screen View**

The following table describes properties that Siebel CRM uses with a screen view.

Property	Description
Category Default View **(O)**	Specifies the default view for this screen view. Siebel CRM uses the Category Default View property only if the Type property of this screen view is Aggregate Category or Detail Category. If the Category Default View does not contain a value, then Siebel CRM uses the first available view for the Category or the Default View that is defined for the screen.
Category Name **(O) (R)**	Specifies the name of the category that Siebel CRM uses to group similar views in this screen view. If the Type property of this screen view is Aggregate Category or Detail Category, then the Category Name property is required.
Client Restriction **(O)**	Specifies if Siebel CRM displays this screen view in a client. For example: **Mobile Client Only**
Display In Page **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM displays this screen view in the client. If the Type property of this screen view is Aggregate Category or Detail Category, then the Display In Page property must be TRUE. • **FALSE.** Siebel CRM displays this screen view as hidden in the View Tab layout.
Display In Site Map **(O)**	If TRUE, then Siebel CRM displays this screen view in the Site Map in the client.
Menu Text **(O)**	Specifies the text that Siebel CRM displays in the Site Map for this screen view. For more information, see *Setting the Menu Text and Viewbar Text Properties of a Screen View*.

Property	Description
Object Manager Restriction **(O)**	You can use the following values: • **NULL.** This screen view is available if the Application Object Manager runs on any server that Siebel CRM supports. • **NT Only.** This screen view is available only if the Application Object Manager runs on a Windows server. The UNIX Support property of the applet or business component class might not allow Siebel CRM to display this screen view in a UNIX environment.
Parent Category **(O) (R)**	Specifies how Siebel CRM organizes a view in a category or how it associates a detail category with an aggregate category. If the Type property of this screen view is: • **Detail View or Detail Category.** The Parent Category property is required. • **Aggregate View.** The Parent Category property is optional. • **Aggregate Category.** The Parent Category property must be empty.
Sequence **(O)**	Specifies the order that Siebel CRM uses to display the view in the submenu of the screen view. You can sequence the views that Siebel CRM displays on the view bar but not the categories. Siebel CRM displays categories last in the list. This property can contain only an integer.
Status Text **(O)**	Not used.
Type **(R)**	Specifies the type of screen view. A screen view is one of the following: • A view • A group of views or categories
View **(R)**	Specifies the view that Siebel CRM includes in the screen view. For example: `Detail - Contacts View`
Viewbar Text **(O)**	Specifies the text that Siebel CRM displays on a view tab, a drop-down list, or a link for a view or category. For more information, see *Setting the Menu Text and Viewbar Text Properties of a Screen View*.

Setting the Menu Text and Viewbar Text Properties of a Screen View

In this example, the following screen views are of type Category Detail:

- Account Detail-A View
- Account Detail-B View
- Account Detail-C View

The following table describes an example that displays all these screen views in the Site Map and only displays screen views A and B in the view bar.

Screen View	Type	Category Menu Text	Viewbar Text
Account Detail-A	Category Detail	Account Detail	Detail
Account Detail-B	Category Detail	Account Detail	Detail
Account Detail-C	Category Detail	Account Detail	Not applicable.

Screen View Locale

A screen view locale defines language overrides that Siebel CRM uses with a screen view.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Screen* > *Screen View* > Screen View Locale**

The following table describes properties that Siebel CRM uses with a screen view locale.

Property	Description
Menu Text **(O)**	Specifies the text that Siebel CRM displays in the Site Map for this View or Category.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**
Status Text **(O)**	Not used.
Viewbar Text **(O)**	Specifies the text that Siebel CRM displays on a view tab, drop down list, or link for a screen view or category.

Server Component Object Types

This topic describes the Server Component object type and the object types that are children of this object type. It includes the following topics:

- *Server Component Event Subtype*
- *Server Component Event Type*
- *Server Component Parameter*
- *Server Component State Value*
- *Server Component Statistic*
- *Server Component Subsystem*

- *Server Component Type*

Server Component Event Subtype

A server component event subtype is a code reference that specifies an event.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Server Component Type > Server Component Event Type > Server Component Event Subtype`

The following table describes properties that Siebel CRM uses with a server component event subtype.

Property	Description
Code Symbol **(S)**	Specifies this server component event subtype as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Display Name **(S)**	Specifies the name of this server component event subtype that Siebel CRM displays in the Server Manager.
Name **(S)**	Specifies the name of the object definition.

Server Component Event Type

A server component event type specifies an event for a server component.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Server Component Type > Server Component Event Type`

The following table describes properties that Siebel CRM uses with a server component event type.

Property	Description
Code Symbol **(S)**	Specifies this server component event type as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Display Name **(S)**	Specifies the name of this server component event type that Siebel CRM displays in the Server Manager.
Name **(S)**	Specifies the name of the object definition.

Server Component Parameter

A server component parameter specifies parameters in a server component type.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Server Component Type > Server Component Parameter`

The following table describes properties that Siebel CRM uses with a server component parameter.

Property	Description
Code Symbol **(S)**	Specifies this server component parameter type as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Component Definition Settable **(S)**	For more information, see the description for the Enterprise Settable property.
Component Settable **(S)**	For more information, see the description for the Enterprise Settable property.
Data Type **(S)**	Specifies the data type for the values this server component parameter contains.
Default Value **(S)**	Specify a default value for this server component parameter.
Display Name **(S)**	Specifies the name of this server component parameter event type that Siebel CRM displays in the Server Manager.
Enterprise Settable **(S)**	If TRUE, then Siebel CRM sets this server component parameter for the entire enterprise. The settable flags specify the levels at which Siebel CRM sets this parameter, from enterprise down through a server task. For example, if the value for a server component parameter is set at level A, then all levels below level A use this value.
Name **(S)**	Specifies the name of the object definition.
Performance Impact	Not used.
Pick List **(S)**	Specifies the name of the picklist.
Requires Component Reconfig **(S)**	If TRUE, then Siebel CRM can modify the configuration for a server component. This modification affects server tasks that start after a modification occurs but allows existing server tasks to continue running using the old configuration. A new server task automatically uses the new configuration but these modifications might not affect some arguments until Siebel CRM reconfigures the server component. Setting the Requires Component Reconfig property to TRUE allows Siebel CRM to update these arguments.

Property	Description
Requires Server Reconfig	Similar to the Requires Component Reconfig property except applies to the server.
Server Settable **(S)**	For more information, see the description for the Enterprise Settable property.
Task Settable **(S)**	For more information, see the description for the Enterprise Settable property.
Text Length **(S)**	Specifies the maximum text length in characters.
Visibility	Not used.

Server Component State Value

A server component state value contains data about the current operation of a server task or server component. A server task periodically updates state values that describe current processing, such as the current phase of an operation. The state for a server component describes the state of the entire server component.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Server Component Type* > Server Component State Value**

The following table describes properties that Siebel CRM uses with a server component state value.

Property	Description
Code Symbol **(S)**	Specifies this server component state value as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Data Type **(S)**	Specifies the data type of the values that this server component state value contains.
Display Name **(S)**	Specifies the name of the component state value type that Siebel CRM displays in the Server Manager.
Level **(S)**	Specifies the level that Siebel CRM uses for this server component state value.
Name **(S)**	Specifies the name of this server component state value.
Text Length **(S)**	Specifies the maximum text length in characters.
Visibility	Not used.

Server Component Statistic

A server component statistic records statistics at the server task level for server component tasks. You can use these statistics to monitor the progress and performance of a server component or to optimize system performance.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Server Component Type* > Server Component Statistic**

The following table describes properties that Siebel CRM uses with a server component statistic.

Property	Description
Calculated **(S)**	If TRUE, then Siebel CRM calculates this server component statistic.
Calculated Value **(S)**	Specifies the script for the calculation.
Code Symbol **(S)**	Specifies this server component statistic as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Data Type **(S)**	Specifies the data type of the value that Siebel CRM saves for this server component statistic.
Display Name **(S)**	Specifies the name of the server component statistic that Siebel CRM displays in the Server Manager.
Name **(S)**	Specifies the name of this server component statistic.
Visibility	Not used.

Server Component Subsystem

A server component subsystem defines a subsystem of the server component type object.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Server Component Type* > Server Component Subsystem**

The following table describes properties that Siebel CRM uses with a server component subsystem.

Property	Description
Name **(S)**	Specifies the name of this server component subsystem.
Subsystem **(S)**	Specifies the name of the subsystem.

Server Component Type

A server component type supports multiple server component types. Each of these types performs a function or job.

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Server Component Type`

The following table describes properties that Siebel CRM uses with a server component type.

Property	Description
Background Mode	If TRUE, then a server component that uses this server component type can run in the background.
Batch Mode	If TRUE, then a server component that uses this server component type can run in batch.
Code Symbol **(S)**	Specifies this server component type as an *enum*, which is a short list of known values. This configuration allows faster searching than using the full descriptive name.
Debug Only	If TRUE, then a server component that uses this server component type can run only in debug mode.
Display Name **(S)**	Specifies the name of this server component type that Siebel CRM displays in the Server Manager.
Interactive	If TRUE, then a server component that uses this server component type can interactive.
Key Based Routing **(S)**	If TRUE, then some batch mode components can control how Siebel CRM partitions and routes a request. These batch mode components can register a key or a set of keys so that each key only gets the requests that match the key.
Name **(S)**	Specifies the name of the object definition.

String Object Types

This topic describes the String object type and the object types that are children of this object type. It includes the following topics:

- *String (H)*
- *String Map (H)*

String (H)

A string is for Oracle use only.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *String Map (H)* > String**

String Map (H)

A string map is for Oracle use only.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > String Map**

Symbolic String Object Types

This topic describes the Symbolic String object type and the object types that are children of this object type. It includes the following topics:

- *Symbolic String (H)*
- *Symbolic String Locale*

Symbolic String (H)

A symbolic string includes text that Siebel CRM displays in the client. Many objects include a translatable string property, such as the caption of a Control object. To get a string value, the string reference property of this object can reference a symbolic string. For example, the Caption - String Reference property can reference a symbolic string. To support separate languages, Siebel CRM can save the contents of a symbolic string in one or more child symbolic string locale objects. For example, the SBL_ACCOUNTS-0910145428-0HN symbolic string might include two symbolic string locale children, where one child contains a display value for English, such as Account, and another child contains a display value for German, such as Kunde.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > Symbolic String**

The following table describes properties that Siebel CRM uses with a symbolic string.

Property	Description
Approval Flag **(O)**	For Oracle use only.

Current String Value	Specifies the text that Siebel CRM displays in the client. Siebel Tools automatically determines this value. It uses the value that the String Value property of the child symbolic string locale contains. It uses the symbolic string locale for the language that is currently active in Siebel Tools. For example, if the Siebel Tools language mode is German, then Siebel Tools displays the following value in the Current String Value property for the SBL_ACCOUNTS-0910145428-0HN symbolic string:
	`Kunde`
	If you modify the Siebel Tools language mode to English, then it displays the following value in the Current String Value property:
	`Accounts`
	Although Siebel Tools calculates the value that it displays in this property, you can edit this value. If you edit the value in the Current String Value property, then Siebel Tools modifies the value that the String Value property contains. This is a property of the child symbolic string locale for the language mode that is currently active in Siebel Tools.

Definition **(O)**	Specifies the text of this symbolic string.
Glossary Flag **(O)**	For Oracle use only.
Name **(R)**	Specifies the name of this symbolic string. It must be unique among symbolic strings. Other objects use this name to reference this symbolic string. The name of each predefined symbolic string begins with the SBL_ prefix and contains an uppercase version of the ENU string value for this symbolic string. For example, the following name is the ENU value for the Accounts symbolic string: `SBL_ACCOUNTS-0910145428-0HN`
Type **(O)**	Specifies the type of symbolic string. Siebel CRM converts each predefined symbolic string. It sets the Type property for each of these symbolic strings to Conversion. This Type property can include one of the following values: • Conversion • Private

Symbolic String Locale

A symbolic string locale defines the language display values for a symbolic string.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Symbolic String (H)* > Symbolic String Locale**

The following table describes properties that Siebel CRM uses with a symbolic string locale.

Property	Description
String Value **(R)**	Specifies the text string that Siebel CRM displays in the client for a language. For example: `Kunde`
Symbolic String Name	Specifies the symbolic string that Siebel CRM uses to associate the string values that the symbolic string locale contains with the parent symbolic string. The Symbolic String Name property can contain the name of any existing symbolic string. For example: `SBL_#_OF_CONCURRENT_LICENSES-1004225906-00M`

System Activity Object Object Types

This topic describes the System Activity Object object type.

System Activity Object

A system activity object defines the properties of a business component that Siebel CRM uses to create activities that some commands require, such as the Send Mail or Send Page command.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > System Activity Object`

The following table describes properties that Siebel CRM uses with a system activity object.

Property	Description
Account Id Field **(O)**	Specifies the field that contains the row ID of the account that Siebel CRM must associate with the activity.
Business Component **(R)**	Specifies the business component that includes data that Siebel CRM requires to create an activity. For example, assume the Service Request business component includes a system activity object. To create an activity that sends a communication, Siebel CRM can use data in the service request, such as the account Id.
Contact Id Field **(O)**	Specifies the field that contains the row ID of the contact that Siebel CRM must associate with the activity.
Defect Id Field **(O)**	Specifies the field that contains a defect row ID value that Siebel CRM can use to populate the Activity Defect Id field of the new activity.
Opportunity Id Field **(O)**	Specifies the field that contains the row ID of the opportunity that Siebel CRM must associate with the activity.
Service Request Id Field **(O)**	Specifies the field that contains the row ID of the service request that Siebel CRM must associate with the activity.

Property	Description
Source Id Field **(O)**	Specifies the field that contains a campaign row ID value that Siebel CRM can use to populate the Campaign Id field of the activity.

Table Object Types

This topic describes the Table object type and the object types that are children of this object type. It includes the following topics:

- *Column*
- *Data Source (H)*
- *Index*
- *Index Column*
- *Table*
- *User Key*
- *User Key Attribute*
- *User Key Attribute Join*
- *User Key Attribute Tree Node*
- *User Key Column*

Column

A column corresponds to one column in a database table.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Table > Column`

The following table describes properties that Siebel CRM uses with a column.

Property	Description
Alias **(O)**	Not used.
ASCII Only **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM uses only ASCII text in columns. • **FALSE.** Siebel CRM does not use only ASCII text in columns.
Cascade Clear **(O)**	For Oracle use only.
Computation Expression **(O)**	Specifies a computation that Siebel CRM uses on a field if it saves this field to the Siebel database.

Property	Description

	For example, to encrypt a value while Siebel CRM writes it to the Siebel database, you can use the following value in the Computation Expression property:
	
	`SiebelEncrypt.RC2([column_name])`
	
	where:
	
	• *column_name* identifies the column that Siebel CRM must encrypt.
	
	For example:
	
	`SiebelEncrypt.RC2([PAY_ACCNT_NUM])`
	
	You can use this property for Case-insensitive and Accent-Insensitive (CIAI) search functionality. For example:
	
	`CIAI([column_name])`
	
	where:
	
	• *column_name* identifies a column that contains all uppercase, nonaccented characters. You can then use this value in an index that allows Siebel CRM to search without respect to case or accent.
	
	For example:
	
	`Account Name ([S_ORG_EXT.NAME])`
	
	where:
	
	• NAME might reference a column that includes a value of La Française. Because this expression is difficult search, CIAI uses the `CIAI([NAME])` computation expression to save this value. If Siebel CRM saves an account, then it updates the value in the column as LA FRANCAISE.
	
	If you search for a string that is similar to `la franca*`, `LA F*`, then the Application Object Manager uses this column to find a match. It is not necessary for you to consider case or accent.

Default **(O)**	For Oracle use only.
Default Insensitivity **(O)**	Specifies to use a normal search or translate to CIAI mode. To view the values you can use, click the Default Insensitivity property in Siebel Tools.
Denormalization Path **(O)**	For Oracle use only.
EIM Processing Column Flag **(O)**	For Oracle use only.
Encryption Key Specifier	Specifies where to save the encryption key for an encrypted field. This field is only required for a SiebelEncrypt computation expression. For more information, see the Computation Expression property for this object type.
FK Column 1:M Rel Name **(O)**	For Oracle use only.
FK Column M:1 Rel Name **(O)**	For Oracle use only.
Force Case **(O)**	Specifies the case of the letters that the column can contain, such as Lower. To view the values you can use, click the Force Case property in Siebel Tools.

Property	Description
Foreign Key Table (Foreign Key Table Name) **(O)**	Specifies the table to which this column is a foreign key. EIM uses this value. You must leave this property empty in an extension column.
Inactive	Specifies to make the column active or inactive. If TRUE, then Siebel CRM does not create this column when it installs the server database.
LOV Bounded **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM must populate any field that references this column with a value from the list that the LOV Type property identifies. It must first import LOV data into the S_LST_OF_VAL table and you must specify the LOV Type property. EIM can then examine the values it imports from the list that the LOV Type property identifies. • **FALSE.** There is no restriction on the values that Siebel CRM populates in a field that references this column. The LOV Bounded property is read-only for a column that comes predefined with Siebel CRM. It is editable for a column that you add through the Database Extension Designer.
LOV Type **(O)**	Specifies the list of values that Siebel CRM uses to validate this column. To define this list of values, you use the List Of Values administration views in the client. The LOV Type property is read-only for a column that comes predefined with Siebel CRM. It is editable for a column that you add through the Database Extension Designer. For more information, see the description for the LOV Bounded property.
Name **(R)**	Specifies the name for this column. This name must be unique in the table.
No Match Value **(O)**	Specifies the string that Siebel CRM uses if it cannot match the primary Id field. You can configure this property only for the primary key column of a table that an external business component references, and only if this business component creates RowId values that might conflict with the default No Match Row Id string. If the No Match Value property is empty, then Siebel CRM uses No Match Row Id as the default string.
Nullable **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM can save NULL in this column in the Siebel database. • **FALSE.** Siebel CRM cannot save NULL in this column in the Siebel database.
Physical Type Name (Physical Type) **(R)**	Specifies the data type of the column in the Siebel database. You can use one of the following values: • **Character.** Fixed-length text. • **Date.** Date values only without time. • **Date Time.** Date and time values in the same column. • **Long.** Long text. • **Number.** Any numeric data. • **Time.** Time values only without the date. • **UTC Date Time.** Time in Greenwich Mean Time (GMT). • **Varchar.** Variable-length text.

Property	Description
Precision **(R)**	For more information, see *About the Precision and Scale Properties*.
Primary Child Col **(S)**	EIM uses this property. For Oracle use only.
Primary Child Column Name **(O)**	Specifies the name of the column that contains the primary ID value.
Primary Child Join Column Name **(O)**	Specifies the name of the child table column where Siebel CRM joins the record.
Primary Child Table Name **(O)**	Specifies the name of the table where Siebel CRM can locate the primary child.
Primary Inter Table Name (Primary Inter Table) **(O)**	EIM uses this property. For Oracle use only.
Primary Join Column Name **(O)**	Specifies the name of the column that Siebel CRM uses to join the record.
Primary Key **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM uses this column as part of the primary key of the table. • **FALSE.** Siebel CRM does not use this column as part of the primary key of the table.
Required **(O)**	You can use one of the following values: • **TRUE.** Siebel CRM requires a value in this column. This requirement is true even if the Siebel database allows an empty value in this column. • **FALSE.** Siebel CRM does not require a value in this column.
Scale **(O)**	For more information, see *About the Precision and Scale Properties*.
Sequence **(O)**	Specifies the order that Siebel CRM uses to save the columns of a cluster index. This property can contain only an integer. This property applies primarily with the MSSQL server. You can use it with other servers.
Sequence Object **(O)**	Specifies the name of the RDBMS utility that creates a unique sequence number for the table column. For Oracle use only.
Status	Specifies the state of the column, such as Active. To view the values you can use, click the Status property in Siebel Tools.
System Field Mapping **(O)**	Specifies an alternative way to map the column to a system field. You can configure this property only for a table that an external business component uses. To view the values you can use, click the System Field Mapping property in Siebel Tools.
Text Length **(O)**	Specifies the length in characters for a text or varchar column. The column size in Siebel Tools is not the same as the column size in the physical database. For more information about this difference, see 531960.1 (Article ID) on My Oracle Support.
Translation Table Name **(O)**	Specifies the name of the translation table.

Property	Description
Txn Log Code **(O)**	Not used.
Type **(S)**	Specifies the column type.
Use FKey **(S)**	You can use one of the following values: • **TRUE.** To determine visibility, Siebel CRM uses this column as a foreign key during synchronization. • **FALSE.** Siebel CRM does not use this column as a foreign key. You must leave this column at the default FALSE setting for an extension column.
User Key Sequence **(O)**	Specifies the sequence that Siebel CRM uses to place this column in the user key. For example, if you set the User Key Sequence property for Column A to 1, then Siebel CRM places Column A in the first position in the user key.
User Name **(R)**	Specifies the user-friendly name for the column.
Valid Condition **(O)**	Specifies the expression that Siebel CRM uses to validate a column value.

Properties for Custom Extension Columns

If you configure a custom extension column, then you must set only the following properties:

- Comments
- Default
- Foreign Key Table Name
- Inactive
- LOV Bounded
- LOV Type
- Name
- Nullable
- Physical Type
- Precision
- Scale
- Text Length

Data Source (H)

A data source specifies the data source that the Application Object Manager uses to connect to an external table. You define this object only for a table that does not reside in the Siebel database.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Table* > Data Source**

The following table describes properties that Siebel CRM uses with a data source.

Property	Description
Name **(R)**	Specifies the name of the data source. This name must match one of the following items: • The value that the DataSources section specifies in the application configuration file • The Alias name of an InfraDatasources server component type

Index

An index creates a new index to improve performance of queries.

CAUTION: If you create a new index, then use caution. An index can decrease performance and use significant disk space.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Table* > Index**

The following table describes properties that Siebel CRM uses with an index.

Property	Description
Alias **(O)**	Specifies the short name for the index.
Allow Reverse Scan **(O)**	If TRUE, then Siebel CRM creates the index with a backward page reference and a forward page reference. This configuration allows Siebel CRM to read the index backwards. The Allow Reverse Scan property applies only to a DB2 or a UDB database.
Based on Index	Specifies a replacement index. For example, assume the following occurs: 1. A NAME index exists on the S_ORG_EXT table. 2. A LOC index exists on the S_ORG_EXT_Un table. 3. You enable CIAI (Case-Insensitive and Accent-insensitive). 4. Siebel CRM creates new columns named NAME_CIAI and LOC_CIAI. 5. You create an index named S_ORG_EXT_Un_C1 and set the Based on Index property of this index to S_ORG_EXT_Un. 6. In this situation, the Application Object Manager uses S_ORG_EXT_Un_C1 instead of S_ORG_EXT_Un.
Cluster **(O)**	If TRUE, then Siebel CRM clusters the table on this index. For example, it physically saves the rows in the order that the index columns specify. The Cluster property applies only to a DB2 or a UDB database.

Property	Description
Cluster 2 **(O)**	If TRUE, then Siebel CRM appends this cluster key to all other indexes. The Cluster 2 property applies to the MSSQL server. It is applicable only to unique indexes.
Name **(R)**	Specifies the unique name.
Number of Unique Columns **(S)**	If Siebel CRM populates this property, then the value it populates equals the number of columns that participate in the uniqueness constraint. Siebel CRM sets the Include Only property to TRUE for the columns that do not participate in the uniqueness constraint. In this situation, the number of columns in the index is more than the value that the Number of Unique Columns property contains. The Number of Unique Columns property applies only to a DB2 or a UDB database. It is applicable only to unique indexes.
Partition Indicator	Specifies the partition that Siebel CRM uses with some databases to indicate where to place the index.
Target Platform	Specifies the platform that Siebel CRM uses with some databases to indicate the platform.
Type **(O)**	Specifies the index type.
Unique **(O)**	If TRUE, then this index is unique. A unique index prevents multiple rows that include the same values in each of the index columns.
User Name **(R)**	Specifies the user-friendly name for the index.
User Primary Key **(O)**	If TRUE, then EIM enforces uniqueness on this index. Siebel Enterprise Integration Manager (EIM) uses this property.

Index Column

An index column creates a new index column.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Table* > *Index* > Index Column**

The following table describes properties that Siebel CRM uses with an index column.

Property	Description
Column Name **(R)**	Specifies the name of the column in the index.
Name **(R)**	Specifies the name of the index column.

Property	Description
Sequence **(R)**	Specifies the position of the index column in the index.
Sort Order **(O)**	Specifies how Siebel CRM sorts the values in the index column. Starting with Siebel CRM version 8.1, to populate the repository, Siebel CRM sets the Sort Order property to Asc as the default value. If the index column is a Date type, then it sets the Sort Order property to Desc.

Table

A table creates a new table to save additional attributes.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Table`

The following table describes properties that Siebel CRM uses with a table.

Property	Description
Abbreviation 1 **(O)** Abbreviation 2 **(O)** Abbreviation 3 **(O)** Abbreviation 4 **(O)** Abbreviation 5 **(O)** Abbreviation 6 **(O)**	Specifies an alternative abbreviation for the table. You must not modify the abbreviations that the EIM Generator and wizard use to determine how to name interface table columns in foreign key mappings.
Alias **(O)**	Not used.
Append Data **(O)**	If TRUE, then Siebel CRM inserts any new rows it creates at the end of the table. If a clustered index exists on this table, and if the Append Data property is TRUE, then Siebel CRM cannot access any new rows that it appends to this table.
Base Table Name **(R)**	Specifies the name of the base table. If the Type property of this table is Ext or Journal, then Siebel CRM extends or journals the table that the Base Table Name property specifies.
Dflt Mapping Col Name Prefix **(S)**	Specifies the default prefix that Siebel CRM uses. If Siebel CRM creates an interface table column, then it adds this prefix to the name of this column. For Oracle use only.
External API Write	If TRUE, then the following applies: • An external API handles any insert, update, or delete in any external table.

Property	Description
	• The BusComp_PreWriteRecord must include a script that publishes the insert, update, or delete to this external API.
File **(O)**	If TRUE, then Siebel CRM uses this table to save file attachment data.
Group **(O)**	Specifies to group tables. Siebel CRM uses this property only for an IBM System 390. It places tables in groups that correspond to dock objects. It groups these tables according to table size, access frequency, and so on.
Key Generation Business Service	Specifies the business service that Siebel CRM uses to create the primary key for the business component. If this property is empty, then Siebel CRM uses the default row Id generator for tables that include a column that corresponds to the Id system field.
Key Generation Service Method	Specifies the name of the business service method that Siebel CRM calls when it creates the primary key for the business component.
Name **(R)**	Specifies a unique name for this table.
Node Type	Specifies the client type that can use this table. For example, if you set this property to Mobile Only, then Siebel CRM includes this table in the Remote client database but not on the Siebel Server.
Owner Organization Specifier	Not used.
Parent Table Column1 Name **(O)**	Specifies the column that references the primary parent if this table is a child table or intersection table.
Parent Table Column2 Name **(O)**	Specifies the column that references the second parent if this table is an intersection table.
Status **(O)**	Specifies the current status of this table. It can include one of the following values: • **ACTIVE.** Use this table in the current version of Siebel CRM. • **INACTIVE.** Discontinue and do not support this table in the current version of Siebel CRM. You must move any extension column that resides on an inactive table to another table. For example, you must the S_EMPLOYEE table to one of the following tables: o S_CONTACT o S_USER o S_EMP_PER • **EOL (End of life).** Do not use this table in the current version of Siebel CRM. You must delete this table because Siebel CRM no longer uses it. For example, Siebel CRM no longer uses the S_*_IF tables. • **NOT USED.** Use this table in the current version of Siebel CRM. Siebel CRM objects do not use this table in the current version but you can continue to use it. For example, you can use tables for docking or EIM.
Type **(S)**	Specifies the type for this table.
User Name **(R)**	Specifies the name for this table.

Property	Description
Volatile **(O)**	If TRUE, then Siebel CRM does not use the statistics that the runstats utility creates on the Siebel database for this table.

User Key

A user key specifies a set of attribute columns and other information that specifies how Siebel Enterprise Integration Manager (EIM) accesses table rows. For more information, see *Configuring Siebel Business Applications* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Table* > User Key**

The following table describes properties that Siebel CRM uses with a user key.

Property	Description
Inaccessible **(S)**	If TRUE, then EIM can access the user key.
Index Name **(S)**	Specifies the name of the index.
Name **(S)**	Specifies the name of the user key.
Source Interface Table Name **(S)**	Specifies the name of the source interface table for the user key.
User Key Type **(S)**	Specifies the type of user key of the object definition.

User Key Attribute

A user key attribute specifies one user key attribute in the set of attribute columns that identify rows in the grandparent table. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Configuring Siebel Business Applications* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Table* > *User Key* > User Key Attribute**

The following table describes properties that Siebel CRM uses with a user key attribute.

Property	Description
Attribute Sequence **(S)**	Specifies the position of the attribute column in user key.
Name **(S)**	Specifies the name of the attribute column.

User Key Attribute Join

A user key attribute join specifies a join operation that Siebel CRM uses to convert a user key attribute that is a foreign key to another table into attribute column values in this table. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Configuring Siebel Business Applications* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Table* > *User Key* > *User Key Attribute* > User Key Attribute Join**

The following table describes properties that Siebel CRM uses with a user key attribute join.

Property	Description
Join Column Name **(S)**	Specifies the name of the column that Siebel CRM uses for the join.
Join Sequence **(S)**	Specifies the order that Siebel CRM uses to process the join. This property can contain only an integer.
Join Type **(S)**	Specifies the type of join that Siebel CRM uses.
Name **(S)**	Specifies the name of the columns that Siebel CRM uses in the join.

User Key Attribute Tree Node

A user key attribute tree node specifies the tree node for a user key attribute. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Configuring Siebel Business Applications* .

CAUTION: You must not modify this object type. Any modifications can adversely affect performance.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Table* > *User Key* > User Key Attribute Tree Node**

The following table describes properties that Siebel CRM uses with a user key attribute tree node.

Property	Description
Join Column Name **(S)**	Specifies the name of the join column.
Join Sequence **(S)**	Specifies the order that Siebel CRM uses to process the join. This property can contain only an integer.
Name **(S)**	Specifies the name of the user key.
Previous Tree Node Name **(S)**	Specifies the name of the previous tree node.
Sub Node Table Name **(S)**	Specifies the name of the subnode table.
User Key Attribute Name **(S)**	Specifies the name of the user key attribute.

User Key Column

A user key column specifies a column for the user key. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Configuring Siebel Business Applications* .

CAUTION: You must not modify this object type. Any modification you make might adversely affect Siebel CRM.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Table > User Key > User Key Column`

The following table describes properties that Siebel CRM uses with a user key column.

Property	Description
Column Name **(S)**	Specifies the name of the column from the user key index.
Column Sequence **(S)**	Specifies the order that Siebel CRM uses to process the join. This property can contain only an integer.
Name **(S)**	Specifies the name of the column from the user key index.

Task Object Types

This topic describes the Task object type and the object types that are children of this object type. It includes the following topics:

- *Task*

- *Task Branch*
- *Task Branch Criteria*
- *Task Branch Criteria Value*
- *Task Chapter*
- *Task Chapter Locale*
- *Task Event*
- *Task Event IO Argument*
- *Task Locale*
- *Task Metric*
- *Task Property*
- *Task Step*
- *Task Step Context*
- *Task Step IO Argument*
- *Task Step Locale*

Task

A task defines a user interface that guides the user through task UI completion. A task UI can include one or more task UI steps, such as a start step, subtask, decision point, or business service step.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Task`

The following table describes properties that Siebel CRM uses with a task.

Property	Description
Allow Pause **(R)**	You can use one of the following values: **TRUE.** The user can pause this task. **FALSE.** The user cannot pause this task.
Business Object **(R)**	Specifies the name of a business object. To choose this value, you use a drop-down list in Siebel Tools. This list only includes business objects that include a primary business component.
Display Name **(R)**	Specifies the name that Siebel CRM displays in the task pane unless the Display Name - String Override property of the task group includes a value. The Display Name - String Reference property determines the value for the Display Name property. For more information about the String Reference property, see *Common Object Properties*.
Inbox Disposition **(R)**	You can use one of the following values: • **Save A Record.** Keep the inbox item that Siebel CRM creates for this task after this task finishes. • **Discard Record.** Delete this inbox item after this task finishes.

Property	Description
	• **Do Not Care (Fastest).** Create an inbox item after this task finishes only if the user has never paused this task. This option minimizes the number of database operations that Siebel CRM must perform to maintain the task UI inbox items.
Is Subtask **(R)**	Specifies if this task is a main task or a subtask. You can uses one of the following values: • **TRUE.** This task is a subtask. • **FALSE.** This task is a main task.
Name **(S)**	Specifies the name of this task. To set the value for this property, Siebel CRM uses the value that the Task Name property contains.
On Conflict **(R)**	Specifies how to resolve a conflict that occurs while Siebel CRM writes data to the Siebel database. You can uses one of the following values: • **Cancel Operation.** Cancel the write operation and return the error. • **Continue Operation.** Use the resolution configuration to resolve the conflict and then continue the write operation. For information about resolving conflicts, see *Siebel Business Process Framework: Task UI Guide* .
Status **(S)**	Specifies the current status of this task. You can uses one of the following values: • **In Progress.** Editing in progress. • **Completed.** Editing completed and ready for activation. • **Not In Use.** Not in use and can be deleted.
Task Name **(R)**	Specifies the internal name of this task that the task UI controller uses to identify this task.
Transactional **(R)**	Flag that indicates if this task is transactional. You can uses one of the following values: • **TRUE.** This task is transactional. • **FALSE.** This task is not transactional.
Transient BC **(O)**	Specifies the name of the transient business component associated with this task.
Version **(S)**	Specifies the version number of this task. This property is read-only. The default version is 0.

Task Branch

A task branch connects two task steps. It controls the flow of a task UI.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Task > Task Branch`

The following table describes properties that Siebel CRM uses with a task branch.

Property	Description
Label **(O)**	Specifies the text that Siebel CRM displays on this task branch in the Task Designer.
Name **(R)**	Specifies the name of this task branch.
Parent Name **(S)**	Specifies the name of the task step that contains this task branch.
Type **(R)**	Specifies the type of this task branch. You can use one of the following values: • **Condition.** Use a condition for this task branch. • **Default.** If no other conditions are met, then use this task branch. Siebel CRM ignores any conditions that are defined for this task branch. • **Connector.** Do not use any condition branching. • **Error Exception.** Use exception handling. This connector type captures system errors. For example, the Assignment Manager server component is not available. • **User Defined Exception.** Use exception handling. This connector type captures errors that you define. For example, the user attempts to save an incomplete order.

Task Branch Criteria

A task branch criteria specifies a list of conditions. At runtime, the task UI controller evaluates the task branch criteria. If the outcome of this evaluation for a task branch is true, then the task UI uses the path that the task branch defines.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > *Task Branch* > Task Branch Criteria**

The following table describes properties that Siebel CRM uses with a task branch criteria.

Property	Description
Applet Field Name	Specifies the name of a control in an applet. If the Compare To property is Applet, then: • The Applet Field Name property is required. • The Field drop-down list in the Compose Condition Criteria dialog box displays the controls that the applet contains.
Applet Name	Specifies the name of an applet. If the Compare To property is Applet, then the Object drop-down list in the Compose Condition Criteria dialog box displays the applets you can choose.
Business Component	Specifies the name of a business component. The business object that this task references includes this business component as a business object component. If the Compare To property is Business Component, then the Object drop-down list in the Compose Condition Criteria dialog box displays the business components that this business object references.

Property	Description
Business Component Field	Specifies the name of a business component field. If the Compare To property is Business Component, then: • The Business Component Field property is required. • The Field drop-down list in the Compose Condition Criteria dialog box displays the fields that this business component contains.
Compare To **(R)**	Specifies the object type that Siebel CRM uses to compare values.
Name **(S)**	Specifies the name of this task branch criteria.
Operation **(R)**	Specifies the comparison operation. For more information, see the topic about creating expressions in *Siebel Business Process Framework: Workflow Guide* .
Parent Name **(S)**	Specifies the name of the parent task branch.
Preferred Sequence	Specifies the order that Siebel CRM uses to examine task branch criteria. For example, assume a task includes branch A and branch B, and that the conditions for Branch A will handle most situations. To reduce the amount of processing Siebel CRM must perform, you can specify to examine task branch criteria for branch A first. If task branch criteria for branch A is met, then Siebel CRM does not examine task branch criteria for branch B.
Property Name **(R)**	Specifies the task property that Siebel CRM uses to determine the condition. The drop-down list displays the properties of the task.

Task Branch Criteria Value

A task branch criteria value is for Oracle use only.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > *Task Branch* > *Task Branch Criteria* > Task Branch Criteria Value**

Task Chapter

A task chapter groups task steps. When a task step runs, Siebel CRM displays the task step name and the chapter name in the Current Task Pane.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > Task Chapter**

The following table describes properties that Siebel CRM uses with a task chapter.

Property	Description
Color **(R)**	Specifies the color that Siebel CRM uses to display the task steps for a task chapter in the Task Designer if the Show Chapter mode is enabled. You can set this color only in the Multi Value Property Window of the parent task object.
Display Name **(O)**	Specifies a label for this task chapter that Siebel CRM displays in the Current Task pane. If the Display Name property is empty, then Siebel CRM does not display this task chapter.
Name **(R)**	Specifies the name of this task chapter. It must be unique in a task.
Parent Name **(S)**	Specifies the name of the task that contains this chapter.
Sequence **(R)**	Specifies the order that Siebel CRM uses to display this task chapter in the current task pane with respect to other task chapters that the parent task contains. This property can contain only an integer.

Task Chapter Locale

A task chapter locale defines language overrides that Siebel CRM uses with the task chapter.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > *Task Chapter* > Task Chapter Locale**

The following table describes properties that Siebel CRM uses with a task chapter locale.

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays for a task chapter for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Task Event

A task event defines the action that Siebel CRM performs if a task event occurs, such as Cancel, Delete, Pause, or Resume.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > Task Event**

The following table describes properties that Siebel CRM uses with a task event.

Property	Description
Business Service Method	Specifies the name of the business service method that Siebel CRM calls. If the Business Service Name property contains a value, then the Business Service Method property is required. The drop-down list for this property displays the business service method that the business service contains.
Business Service Name	Specifies the name of the business service that Siebel CRM calls. If the Workflow Process property is empty, then the Business Service Name property is required. The drop-down list for this property displays the business services that include a Hidden property that is FALSE.
Name **(R)**	Specifies the name of this task event.
Parent Name **(S)**	Specifies the name of the parent task.
Workflow Process	Specifies the name of the workflow process that Siebel CRM calls. If the Business Service Name property is empty, then the Workflow Process property is required.

Task Event IO Argument

A task event IO argument defines the input arguments and output arguments for an event handler.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > *Task Event* > Task Event IO Argument**

The following table describes properties that Siebel CRM uses with a task event IO argument.

Property	Description
Argument **(O)**	Specifies the name of the output argument of the workflow process or business service that the event handler calls. If you set the Input/Output property of this task event IO argument to: • **Input.** You must set the Argument property to the name of an input argument of the event handler. The parent Task Event determines the values you can set. • **Output.** You must set the Argument property to the name of an output argument of the event handler. The parent Task Event determines the values you can set.
Business Component	Specifies the name of a business component that the business object references. The task references this business object. If the Type property is Business Component, then the Business Component property is required.
Business Component Field	Specifies the name of a business component field. If the Type property is Business Component, then the Business Component Field property is required. The dropdown list for this property displays the fields that the business component contains.
Input/Output **(R)**	Specifies if the argument is an input argument or an output argument.

Property	Description
Name **(S)**	Specifies the name of this task event IO argument. The value you specify depends on one of the following types of arguments: • **Input argument.** You specify the input argument name of the business service method. • **Output argument.** You leave this Name property empty. If you choose a workflow process as the event handler, then the value of this Name property must be Rowld or ProcessName.
Parent Name **(S)**	Specifies the name of the parent task event.
Preferred Sequence **(O)**	Not used. Siebel CRM ignores this property.
Property Name	Specifies the name of the task property that this task event IO argument references. If the Type property is Task Property, then the Property Name property required. The drop-down list for this property includes the task properties that the parent task contains.
Type **(R)**	Specifies the type of the argument. It can contain one of the following values: • Business Component • Literal • Expression • Task Property
Value **(O)**	Specifies a value for this task event IO argument. If the Type property is Literal or Expression, then the Value property contains a literal value or an expression.

Task Locale

A task locale defines language overrides that Siebel CRM uses with a task.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > Task Locale**

The following table describes properties that Siebel CRM uses with a task locale.

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays for a task for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Task Metric

A task metric defines metrics that Siebel CRM collects while a task runs.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Task > Task Metric`

The following table describes properties that Siebel CRM uses with a task metric.

Property	Description
Metric Name **(R)**	Specifies the name of the metric. The dropdown list for this property displays a list of predefined metrics.
Name **(R)**	Specifies the name of the object. Siebel CRM automatically sets the value of the Name property to the value that the Metric Name property contains.
Parent Name	Specifies the name of the parent object. This property is read-only.
Property Name **(R)**	Specifies the name of a task property. Siebel CRM maps this task property to this task metric. The dropdown list for the Property Name property displays a list of task properties that the task contains.

Task Property

A task property defines a field that Siebel CRM uses to save a value. It can use this value in a task step, in an input or output argument, or to perform an evaluation.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Task > Task Property`

The following table describes properties that Siebel CRM uses with a task property.

Property	Description
Access Mode **(R)**	You can use one of the following values: • **Read.** Siebel CRM can only read this task property. • **R/W.** Siebel CRM can read and update this task property.
Data Type **(R)**	Specifies the type of data that Siebel CRM can save. You can use one of the following values: • **Binary.** Save variant or binary data. If you choose Binary, then you must set the In/Out property of this task property to None. • **Date.** Save date data.

Property	Description
	• **Hierarchy.** Save data that Enterprise Application Integration (EAI) can use in a property set. • **Integration Object.** Save data that Enterprise Application Integration (EAI) can use in an integration object. • **Number.** Save numeric data. • **String.** Save alphanumeric data. • **Strongly Typed Integration Object.** Save data that Enterprise Application Integration (EAI) can use in a strongly typed integration object.
Default **(O)**	Specifies the predefault value of this task property.
In/Out **(R)**	Specifies how to send the value that this task property contains. You can use one of the following values: • **In.** Send this value into the task. • **Out.** Send this value out of the task. • **In/Out.** Send this value into and out of the task. • **None.** Use this value only in the task. If the Data Type property is Binary, then you cannot set the In/Out property to In, Out, or In/Out.
Integration Object	Specifies the name of the integration object. If the Data Type property is Integration Object or Strongly Typed Integration Object, then the Integration Object property is required. For example: `Account - Get Oracle Customer (Oracle)`
Name **(R)**	Specifies the name of this task property.
Parent Name	Specifies the name of the parent object. This property is read-only.

Task Step

A task step defines a unit of work that the task controller performs.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Task > Task Step`

The following table describes properties that Siebel CRM uses with a task step.

Property	Description
Business Component	Specifies the name of a business component that the business object references. The task references this business object. If the Type property is Siebel Operation, then the Business Component is required.

Property	Description
Chapter **(O)**	Specifies the chapter that includes this task step. The drop-down list displays the chapters that the parent task includes.
Defer Write Record **(O)**	Specifies when to save data. You can use one of the following values: • **TRUE.** Do not write this data to the Siebel database until a Commit step. • **FALSE.** Write this data to the Siebel database immediately. Siebel CRM uses the Defer Write Record property only if the Type property is Siebel Operation.
Display Name **(O)**	Specifies the name that Siebel CRM displays in the Current Task Pane or the Context Pane.
Display Name Type **(O)**	Specifies to repeat the display name of the task views next to each other in the Current Task Pane or the Context Task pane. You can use one of the following values: • **Normal.** Repeat the display name. • **Unique.** Display the display name only one time.
Name **(S)**	Specifies the name of this task step.
Operation	Specifies the type of the Siebel Operation that this task step uses. If the Type property is Siebel Operation, then the Operation property is required.
Parent Name	Specifies the name of the parent object. This property is read-only.
Repeatable	Specifies to run this task step more than one time while the task runs. You can use one of the following values: • **TRUE.** Allow Siebel CRM to run this task step more than one time. • **FALSE.** Allow Siebel CRM to run this task step only one time. If the Type property is Business Service or Siebel Operation, then the Repeatable property is required.
Retain Applet Search Spec	Specifies to retain the applet search specification that runs in the current step when the current step exits. You can use one of the following values: • **TRUE.** Retain the applet search specification. • **FALSE.** Delete the applet search specification. If the Type property is Task View, then the Retain Applet Search Spec property is required.
Retain Task Search Spec	Specifies to retain the task search specification that runs in the current step when the current step exits. You can use one of the following values: • **TRUE.** Retain the task search specification. • **FALSE.** Delete the task search specification. If the Type property is Siebel Operation or Task View, then the Retain Task Search Spec property is required.

Property	Description
Retain User Search Spec	Specifies to retain the user search specification that runs in the current step when the current step exits. You can use one of the following values: • **TRUE.** Retain the user search specification. • **FALSE.** Delete the user search specification. If the Type property is Task View, then the Retain Task Search Spec property is required.
SubTask Name	Specifies the name of the subtask. If the Type property is Subtask, then the SubTask Name property is required.
Task View	Specifies the name of the task view. If the Type property is Task View, then the Task View property is required.
Type **(S)**	Specifies the type of this task step. You can use one of the following values: • **Business Service.** Call a business service. • **Commit.** Commit data to the Siebel database. • **Decision Point.** Do decision branching. • **End.** End the task. • **Error.** Cancel the task with error. • **Siebel Operation.** Do a Siebel operation. • **Start.** Start the task. • **Subtask.** Call a subtask. • **Task View.** Display a task view.

Task Step Context

A task step context defines the context for a task step. To do this, it sets up a search specification for a business component that the business object references. You can use a task step context only if the Type property of the task step is Siebel Operation or Task View.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Task > Task Step > Task Step Context`

The following table describes properties that Siebel CRM uses with a task step context.

Property	Description
Expression Business Component **(O)**	Specifies the name of the business component that the right operand of the expression references. For example, consider the following expression: `[Account Id] = [Id]` where:

Property	Description
	• = is the operator • [Account Id] is the left operand • [Id] is the right operand If the Expression Business Component is Account, then Siebel CRM treats the right operand as [Account.Id]. In this example, Siebel CRM uses the following expression: `[Account.Account Id] = [Account.Id]`

Filter Business Component **(O)**	Specifies the name of the business component that the left operand of the expression references. For example, consider the following expression:
	`[Account Id] = [Id]`
	If the Filter Business Component is Contact, then Siebel CRM treats the left operand as [Contact.Account Id]. In this example, Siebel CRM uses the following expression:
	`[Contact.Account Id] = [Account.Id]`

Is User Search Spec **(R)**	You can use one of the following values: • **TRUE.** The search specification is a user search specification. • **FALSE.** The search specification is a task search specification.
Name	Specifies the name of this task step context.
Search Specification **(O)**	Specifies the value of the search specification.
Type **(R)**	Specifies the type of this task step context. You can use one of the following values: • **Literal.** This task step context uses a literal value. • **Expression.** This task step context uses an expression.

Task Step IO Argument

A task step IO argument identifies the input and output arguments for a task step. Each task step accepts input from the task and sends output back to the task.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Task > Task Step > Task Step IO Argument`

The following table describes properties that Siebel CRM uses with a task step IO argument.

Property	Description
Argument **(R)**	Specifies the name of this task step IO argument.

Property	Description
Business Component	Specifies the name of the business component in the business object of the task. If the Type property is Business Component, then the Business Component property is required.
Business Component Field	Specifies the name of a business component field. If the Type property is Business Component, then the Business Component Field property is required.
Input/Output **(R)**	Specifies this task step IO argument as an input argument or an output argument.
Name **(S)**	Specifies the name of this task step IO argument.
Parent Name	Specifies the name of the parent object. This property is read-only.
Preferred Sequence **(O)**	Specifies the order that Siebel CRM uses when it evaluates multiple task step IO arguments for a single task step. When the task step runs, Siebel CRM evaluates the task step IO argument that contains the lowest preferred sequence first. Siebel CRM uses this preferred sequence only for an input argument. If the Input/Output property is: • **Input.** Siebel CRM uses the Preferred Sequence property. • **Output.** Siebel CRM ignores the Preferred Sequence property.
Property Name	Specifies the name of the task property that this task step IO argument references. If the Type property is Task Property, then the Property Name property is required.
Type **(R)**	Specifies the type for this task step IO argument. You can use one of the following values: • Business Component • Literal • Expression • Output Argument • Task Property
Value **(O)**	Specifies a value. If the Type property is Literal or Expression, then Siebel CRM uses the value that the Value property contains.

Task Step Locale

A task step locale defines language overrides that Siebel CRM uses with a task step.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > *Task Step* > Task Step Locale**

The following table describes properties that Siebel CRM uses with a task step locale.

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays for a task step for a language.
Name **(O)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: `ENU`
Parent Name	Specifies the name of the parent object. This property is read-only.

Task Group Object Types

This topic describes the Task Group object type and the object types that are children of this object type. It includes the following topics:

- *Task Group*
- *Task Group Item*
- *Task Group Locale*

Task Group

A task group defines a group of tasks that Siebel CRM displays on the Task Pane. For more information about configuring task groups, see *Siebel Business Process Framework: Task UI Guide* .

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > Task Group**

The following table describes properties that Siebel CRM uses with a task group.

Property	Description
Display Name **(R)**	Specifies the label that Siebel CRM displays in the Task Pane for this task group.
Required Context BC **(R)**	Specifies the business component that the tasks in this task group reference.

Task Group Item

A task group item specifies a task and the sequence that Siebel CRM uses to display it in a task group.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > *Task Group* > Task Group Item**

The following table describes properties that Siebel CRM uses with a task group item.

Property	Description
Context Business Component	Specifies the business component that Siebel CRM uses to set the task context. For more information, see *Siebel Business Process Framework: Task UI Guide* .
Name	Specifies the name for this task group item. Siebel CRM sets the value for this property to the name of the Task, by default.
Sequence	Specifies the order that Siebel CRM uses to display the task in the parent task group. The value of this property must be a number.
Task **(R)**	Specifies the task that Siebel CRM displays in the Task Pane. Adding a task to a task group item does not automatically configure Siebel CRM to display it in the Task Pane. The following items must also be true: • The Siebel CRM application that uses this task group is currently running. • The configuration in the Task Administration screens allows the user to access this task. • The task is licensed for this module. If the Context Required property of the task group is TRUE, then Siebel CRM displays data from the business component that the task references. It displays this data in the current view.
Type	Specifies to call a command or a task if the user picks an item from the task list for the task group.

Task Group Locale

A task group locale defines language overrides that Siebel CRM uses with a task group.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Task* > *Task Group* > Task Group Locale**

The following table describes properties that Siebel CRM uses with a task group locale.

Property	Description
Display Name **(O)**	Specifies the name that Siebel CRM displays for a task group for a language.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**
Parent Name	Specifies the name of the parent object. This property is read-only.

Text Style Object Types

This topic describes the Text Style object type.

Text Style (H)

A text style specifies font information for controls, applets, views, or applications.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Text Style`

The following table describes properties that Siebel CRM uses with a text style.

Property	Description
Bold **(O)**	If TRUE, then this text style uses bold text.
Font Face **(O)**	Specifies the font face name for this text style. For example, Arial, Courier, and so forth. If you do not specify this property, then Siebel CRM uses the default font that the object uses. For example, if a control uses a text style that does not specify a font face, then Siebel CRM uses the font that all controls in the parent applet use.
Font Size **(O)**	Specifies the point size of the font that Siebel CRM uses. If you do not specify this property, then Siebel CRM uses the default font size that the object uses. For example, if a control uses a text style that does not specify font size, then Siebel CRM uses the font size that all controls in the parent applet use. This value must use an integer.
Italic **(O)**	If TRUE, then this text style uses Italic text.
Name **(R)**	Specifies the name of this text style.
Underlined **(O)**	If TRUE, then this text style uses underlined text.

Toolbar Object Types

This topic describes the Toolbar object type and the object types that are children of this object type. It includes the following topics:

- *Toolbar*
- *Toolbar Item*
- *Toolbar Item Locale*

- *Toolbar Locale*

Toolbar

A toolbar defines a toolbar that the user can use in the client. Siebel CRM typically uses HTML toolbars where the buttons are static images and can be dimmed to indicate availability. Some applications, such as Siebel Call Center, use toolbar icons that Siebel CRM modifies in reply to an event, such as a blinking icon that indicates an incoming call.

This object type occurs in the following location in the object hierarchy:

- **`Siebel Objects > Toolbar`**

The following table describes properties that Siebel CRM uses with a toolbar.

Property	Description
Class **(O)**	Specifies the name of the Java class that implements this toolbar. The value for this property is empty for an HTML toolbar.
Client Restriction **(O)(H)**	Specifies to display this toolbar only in the mobile client.
Display Name **(O)**	Specifies the display name that Siebel CRM uses for this toolbar.
Name **(R)**	Specifies the name of this toolbar that Siebel CRM displays in the list in the Toolbars tab of the Customize dialog box in the client.
Popup Indicator Bitmap **(O)**	Specifies the name of the bitmap icon that Siebel CRM displays in this toolbar.

Toolbar Item

A toolbar item associates a command with a toolbar. This association places a toolbar icon on the toolbar. The toolbar item properties determine how Siebel CRM places icons on a toolbar and the order that it uses to place these icons. To override this configuration, the user can use the Customize dialog box in the client. Siebel CRM saves these modifications to a local preferences file.

This object type occurs in the following location in the object hierarchy:

- **`Siebel Objects > Toolbar > Toolbar Item`**

The following table describes properties that Siebel CRM uses with a toolbar item.

Property	Description
Command **(R)**	Specifies the name of the command that specifies the bitmap, method, and target for this toolbar item. To insert a separator between icons, you can include one or more dashes (-) instead of the name of a command.

Property	Description
Display Name **(O)**	Specifies the text name that Siebel CRM displays for this toolbar item. For example, to represent advanced search, Siebel CRM displays the following text instead of a bitmap image: `Advanced Search`
Group **(O)**	Specifies the group name. If you specify the Group property, then Siebel CRM uses a radio button for each toolbar item that this group contains. The user can choose only one radio button at a time.
HTML Attributes **(O)**	Reserved for future use.
HTML Type **(O)**	Specifies the type of control that Siebel CRM displays in the toolbar for this toolbar item.
HTML Width **(O)**	Specifies the width of this toolbar item in pixels that Siebel CRM displays in the Siebel Web Client.
HTML Width - Language Override **(O)**	Specifies the width of this toolbar item in pixels that Siebel CRM displays in the Siebel Web Client if a language or locale is active.
Name **(R)**	Specifies the name of this toolbar item.
Position **(O)**	Specifies the position of this toolbar item.
Position - Language Override **(O)**	Specifies the position of this toolbar item if a language or locale is active.
Target View Frame **(O)**	Specifies the HTML page that Siebel CRM loads into the frame that this property specifies.
Type **(R)**	Specifies the toolbar item type.
Width **(R)**	Specifies the width of this toolbar item.
Width - Language Override **(O)**	Specifies the width of this toolbar item if a language or locale is active.

Toolbar Item Locale

A toolbar item locale defines language overrides that Siebel CRM uses with a toolbar item.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Toolbar* > *Toolbar Item* > Toolbar Item Locale**

The following table describes properties that Siebel CRM uses with a toolbar item locale.

Property	Description
Display Name **(O)**	Specifies the text name that Siebel CRM displays for this toolbar item. For example, to represent advanced search, Siebel CRM displays the following text instead of a bitmap image: `Advanced Search`
HTML Width **(O)**	Specifies the width of this toolbar item in pixels that Siebel CRM displays in the Siebel Web Client.
Name **(O)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: `ENU`
Position **(O)**	Specifies the position of this toolbar item.
Width **(O)**	Specifies the width of this toolbar item.

Toolbar Locale

A toolbar locale defines language overrides that Siebel CRM uses with a toolbar.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Toolbar > Toolbar Locale`

The following table describes properties that Siebel CRM uses with a toolbar locale.

Property	Description
Display Name **(O)**	Specifies the text name that Siebel CRM displays for this toolbar. For example, to represent advanced search, Siebel CRM displays the following text instead of a bitmap image: `Advanced Search`
Name **(O)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: `ENU`

Type Object Types

This topic describes the Type object type and the object types that are children of this object type. It includes the following topics:

- *Attribute*
- *Type*

Attribute

An attribute specifies a column that contains data. Siebel Enterprise Integration Manager (EIM) uses this object type. For more information, see *Siebel Developer's Reference* .

CAUTION: You must not modify this object type. Any modification you make might adversely affect Siebel CRM.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Attribute > Attribute`

The following table describes properties that Siebel CRM uses with an attribute.

Property	Description
Category **(S)**	Specifies the group for the object properties that Siebel CRM displays on a property sheet. This grouping helps the user to use a property sheet.
Column Name **(S)**	Specifies the name of the attribute column.
Language Override Attribute **(S)**	Specifies the order of attribute columns for a language or locale.
Name **(S)**	Specifies the name of an attribute column in the client.
No Compile **(S)**	You can use one of the following values: • **TRUE.** Siebel CRM does not compile the object definition if you use the Tools menu in Siebel Tools. • **FALSE.** Siebel CRM compiles the object definition if you use the Tools menu in Siebel Tools.

Siebel Wins **(S)**	Specifies the attribute value to use if a conflict occurs during an upgrade. You can use one of the following values:
	• **TRUE.** Siebel CRM maintains the value that Oracle provides.
	• **FALSE.** Siebel CRM uses the existing property value.
	For example, assume the value for the Search Specification property of the Action business component in an existing release is:
	`[Type] <> 'Template'`
	Assume you modify this value to the following:
	`[Type] <> 'Template' AND [Type] <> 'ABC'`
	In a new release, assume Oracle modifies this value to the following:
	`[Type] <> 'Template' AND [Type] <> 'XYZ'`
	If you upgrade Siebel CRM, then a conflict occurs and Siebel CRM uses a value according to the following value that the Siebel Wins property contains:
	• **TRUE.** Siebel CRM uses the value that Oracle provides in the new release.

Property	Description
	• **FALSE.** Siebel CRM uses the existing value.
Translatable **(S)**	Specifies one of the following values: • **TRUE.** Siebel CRM can translate the attribute. • **FALSE.** Siebel CRM cannot translate the attribute.

Type

A type sets the type for object types in a repository.

CAUTION: You must not modify this object type. Any modification you make might adversely affect Siebel CRM.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Type`

The following table describes properties that Siebel CRM uses with a type.

Property	Description
Bitmap Category **(S)**	Not used.
Business Component **(S)**	Specifies the name of a business component.
Language Sub Type **(S)**	Specifies the name of an object type for a locale. For example, an applet locale is associated with the Applet object property.
Name **(S)**	Specifies the name of this type.
No Compile **(S)**	If TRUE, and if you click Compile from the Tools menu in Siebel Tools, then Siebel Tools does not compile this type.
Table Name **(S)**	Specifies the name of a table.

View Object Types

This topic describes the View object type and the object types that are children of this object type. It includes the following topics:

- *View*

- *View Locale*
- *View Task Group*
- *View Task Group Locale*
- *View User Prop (H)*
- *View Web Template*
- *View Web Template Item*
- *View Web Template Item Locale*

View

A view defines a visual representation of business object data.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > View`

The following table describes properties that Siebel CRM uses with a view.

Property	Description
Add To History **(O)**	If TRUE, then specifies to include this view in the historical list of views that the user navigates during a session. To access this history, the user clicks the browser Back button.
Admin Mode Flag **(O)**	For more information, see *Setting the Admin Mode Flag Property of a View*
Background Bitmap **(O)(H)**	Specifies the bitmap that Siebel CRM uses as the background for this view.
Bitmap Category **(O)(H)**	Not used.
Business Object **(R)**	Specifies the name of the business object that this view references.
Container Web Page **(O)(H)**	Specifies the container page to that contains this view. If this property includes a value, then it overrides the value in the Container Web Page property of an application.
Default Applet Focus	Specifies the applet that Siebel CRM highlights the first time it displays this view. If this property is empty, then it highlights the first applet that it displays in this view, starting at the upper near corner of this view.
Disable PDQ	If TRUE, then Siebel CRM does not allow the user to create a default predefined query (PDQ).
Drop Sectors **(R)(H)**	Specifies the pair of sectors that Siebel CRM drops in six sector mode for any resolution that is less than 1024 by 768. You can use one of the following values: • 0and4 • 1and5 • 2and6 • 3and7

Property	Description
Explicit Logon **(O)**	If TRUE, then the user must explicitly log in through the logon Web page to view this view.
Help Identifier **(O)**	Specifies a topic name for context-sensitive help. This name is a string that includes all uppercase characters and no empty space. For example: `ID_VIEW_OPPORTUNITY_LIST`
HTML Bitmap **(O)**	Specifies the icon that Siebel CRM displays as a link to this view.
HTML Popup Dimension **(O)**	Specifies the dimensions of the pop-up window, in pixels. The value for this property must include a lowercase x and no spaces. For example: `640x480`
Name **(R)**	Specifies the name of this view. Objects use this name to reference this view.
No Borders **(O)(H)**	If TRUE, then Siebel CRM does not display borders around the applets that this view displays.
Sector0 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 0 of this view.
Sector1 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 1 of this view.
Sector2 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 2 of this view.
Sector3 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 3 of this view.
Sector4 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 4 of this view.
Sector5 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 5 of this view.
Sector6 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 6 of this view.
Sector7 Applet **(R)(H)**	Specifies the applet that Siebel CRM displays in sector 7 of this view.
Secure **(O)**	If TRUE, then the Siebel Web Engine does the following: • Specifies the HTTPS protocol for all URLs that it creates to this view. • Verifies that the current request uses the HTTPS protocol. This configuration prevents a user from typing HTTP instead of HTTPS in the URL window of the browser to access a secure view. The browser and the Web server handle HTTPS. The Siebel Web Engine only specifies to use HTTPS for a view. You must make sure HTTPS is enabled on any server that Siebel CRM expects to provide a secure view.
Status Text **(O)(H)**	Not used.

Property	Description
Task	Specifies the default task that this view uses.
Text Style **(O)(H)**	Specifies the text style that Siebel CRM uses by default for all controls in the applets that this view uses. Siebel CRM uses this text style only if the control or applet does not explicitly specify a text style.
Thread Applet **(O)**	Specifies the name of an applet. A field in this applet provides the data that Siebel CRM uses as part of the thread title. The Thread Field property identifies this field.
Thread Field **(O)**	Specifies the name of the field of the thread applet. This field provides the data that Siebel CRM uses as part of the thread title.
Thread Title **(O)**	Specifies the text that Siebel CRM uses for the thread title label.
Title **(O)**	Specifies the browser history that Siebel CRM uses to display the names of views that the user has accessed. Siebel CRM uses this history if the user clicks the browser Back or Forward button.
Vertical Line Position **(O)(H)**	Specifies the position that Siebel CRM uses when it displays a dividing line between applets in sectors 0 to 3 and applets in sectors 4 to 7. The Vertical Line Position property can include a value between 0 and 12, where: • **0.** Positions the vertical line to the extreme left. • **12.** Positions the vertical line to the extreme right. • **6.** Positions the vertical line in the middle. The default value is 6. This property is useful for a view that contains a tree applet that must occupy only about one-third of the width of the area that the user can view. In this situation, it is recommended that you set the Vertical Line Position property to a value of 4 through 8. If you do not, then Siebel CRM might stretch or compress an applet to such an extent that it is difficult to view.
Visibility Applet **(O)**	Specifies the applet in this view that controls visibility. Typically this applet is one of the following: • The list applet in a list-form view. • The master applet in a master-detail view. You must set the Visibility Applet property to the master applet of this view. For more information, see *Setting the Visibility Applet Properties of a View*.
Visibility Applet Type **(O)**	Specifies the visibility mode that Siebel CRM applies to the applet that the Visibility Applet property specifies. The Applet Visibility Type property of the view Web template overrides the Visibility Applet Type property. For more information, see *Setting the Visibility Applet Properties of a View*.

Setting the Admin Mode Flag Property of a View

The Account Administration view, Opportunity Administration view, and Product Administration view are examples of Admin mode views. If the Admin Mode Flag Property is TRUE, then Siebel CRM uses this view in Admin mode. It does the following:

- Ignores any insert or update visibility rules that exist for this view. You set the Admin Mode Flag to TRUE only for an administrative view.
- If pop-up visibility is set for the business component that provides data to this view, then Siebel CRM uses this pop-up visibility.
- Ignores the visibility type for the business component unless this type is Organization.
- Ignores any no insert, no merge, and no update settings that exist on a business component that provides data to this view. Admin mode does not affect these restrictions that are set on the applet or if the Read Only property of a field is TRUE.
- Allows the user to display every record, even if no primary team member is set for a record. This visibility is different from All visibility where Siebel CRM only displays records that include a primary team member.

If the Admin Mode property is TRUE, then a conflict might occur in the following situations:

- Visibility is configured on a multivalue link or multivalue field on the business component that provides data to this view.
- The Force Active property is set on this business component or on this multivalue field.

Setting the Visibility Applet Properties of a View

If the user uses the Show drop-down list to navigate between views, and if the settings for the Visibility Applet property and the Visibility Applet Type property are different between these views, and if the configuration of the business components and the search specifications is consistent between these views, then Siebel CRM keeps the query context and record focus from the previous view.

If the user uses the Site Map or the Screen Tabs to navigate between views, and if the settings for the Visibility Applet property and the Visibility Applet Type property are different between these views, then Siebel CRM applies the most restrictive visibility configuration. In this situation, it typically uses the Personal or Sales Rep visibility, depending on the visibility settings of the business component and the Thread Applet property of the view.

View Locale

A view locale defines language overrides that Siebel CRM uses with a view.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *View* > View Locale**

The following table describes properties that Siebel CRM uses with a view locale.

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**

Property	Description
Status Text **(O) (H)**	Not used.
Thread Title **(O)**	Specifies the text that Siebel CRM displays as the thread title label.

Title **(O)**	Specifies the text string that Siebel CRM displays in the title bar. Siebel CRM applies a prefix to this title depending on the following settings in the application configuration file:
	• **The CaptionPrefix parameter specifies a prefix.** Siebel CRM uses this prefix.
	• **The CaptionPrefix parameter does not specify a value.** It uses the value that the ApplicationTitle parameter specifies.
	• **The CaptionPrefix parameter and the ApplicationTitle parameter do not specify a value.** It uses the following value as the prefix text:
	`Siebel applications`
	For example, If the value of the Title property is My Accounts, and if the prefix text is *Siebel Sales*, and if this view is active, then Siebel CRM displays the following text in the title bar:
	`Siebel Sales - My Accounts`

View Task Group

A view task group lists task groups and child tasks in the Task Pane. For more information, see *Siebel Business Process Framework: Task UI Guide* .

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > View > View Task Group`

The following table describes properties that Siebel CRM uses with a view task group.

Property	Description
Application	Specifies the Siebel CRM application where Siebel CRM displays this task group. If empty, then Siebel CRM displays this task group for any application.
Sequence	Specifies the order that Siebel CRM uses to display task groups in the Task Pane. This value is a number.

View Task Group Locale

A view task group locale defines language overrides that Siebel CRM uses with a view task group.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > View > View Task Group > View Task Group Locale`

The following table describes properties that Siebel CRM uses with a view task group locale.

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: `ENU`
Sequence **(O)**	Specifies the name that Siebel CRM displays for a view task group for a language.
Task Group	Specifies the task group that Siebel CRM displays in the Task Pane for this view.

View User Prop (H)

A view user prop sends a value to the C++ code that implements specialized view configuration. Siebel CRM persists the value that you configure for a user property in the Siebel runtime repository. For more information, see *Object Types That You Must Not Modify*.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > View > View User Prop`

The following table describes properties that Siebel CRM uses with a view user prop.

Property	Description
Name	For Oracle use only.
Value	For Oracle use only.

View Web Template

A view web template defines the layout of the applets in the view.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > View > View Web Template`

The following table describes properties that Siebel CRM uses with a view web template.

Property	Description
Name **(R)**	Specifies the name of the view web template.

Property	Description
User Layout **(O)**	If TRUE, then the user can modify the layout in the view.
Web Template **(R)**	Specifies the web template that Siebel CRM uses to display the view.

View Web Template Item

A view web template item maps applet controls to placeholder IDs in the web template.

Used by the Siebel Web Engine to map the `swe:applet` tag to applets.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *View* > *View Web Template* > View Web Template Item**

The following table describes properties that Siebel CRM uses with a view web template item.

Property	Description
Applet **(R)**	Specifies the name of the applet that Siebel CRM maps to the ID.
Applet Mode **(O)**	Specifies the applet mode. You can use one of the following values: • Base • Edit • Edit List • Query
Applet Visibility Type **(O)**	Specifies the applet visibility. This property overrides the Visibility Applet Type property of the view.
Display Size **(O)**	Specifies to minimize or maximize the applet. If the Display Size property is Always Maximized, then the user cannot minimize the applet. Siebel CRM typically uses this property with an applet that it displays on a home page.
Display Visibility **(O)**	Specifies if the applet is visible or hidden. If the Display Visibility property is Always Show, then the user cannot hide the applet. Siebel CRM typically uses this property with an applet that it displays on a home page.
Expression	Specifies how to limit the way Siebel CRM displays a control in a Siebel CRM application. It is similar to a search specification or query condition. The Expression property is typically empty and Siebel CRM does limit how it displays the control. For more information, see the topic about application mappings in *Configuring Siebel Business Applications* .
Item Identifier **(R)**	Specifies the ID of the `swe:applet` tag in the Web Template.
Item Identifier - Language Override **(O)**	Specifies the ID of the `swe:applet` tag in the web template if a language or locale is active.

Property	Description
Move Range **(O)**	Specifies how far the user can move an applet. For example, assume the following: • An application home page includes two columns. • The first applet uses the Column1 move range. • The second applet uses the Column2 move range. In this situation, the user can do the following: • Move any applet that uses the Column1 move range only in the first column. • Move any applet that uses the Column2 move range only in the second column. If the Move Range property is empty, then the user cannot move the applet. For example, the Move Range property that Siebel CRM uses for the salutation applet on the home page is typically empty.
Name **(R)**	Specifies the name of this view web template item.
Namespace **(O)**	Specifies the qualifier that Siebel CRM uses for the item identifier. For example, if the **`swe:applet`** tag that Siebel CRM uses for this mapping resides in a **`swe:idgroup`** tag, then the Namespace property specifies the ID of the idgroup tag.
Namespace - Language Override **(O)**	Specifies the qualifier for the item identifier if a language or locale is active.
Position **(O)**	Specifies the hierarchical relationship that Siebel CRM uses between the applets in the view.

View Web Template Item Locale

A view web template item locale defines the language override that Siebel CRM uses with a view web template item.

This object type occurs in the following location in the object hierarchy:

- **`Siebel Objects > View > View Web Template > View Web Template Item > View Web Template Item Locale`**

The following table describes properties that Siebel CRM uses with a view web template item locale.

Property	Description
Item Identifier **(O)**	Specifies the ID of the **swe:applet** tag in the web template.
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses.
Namespace **(O)**	Specifies the qualifier that Siebel CRM uses for the item identifier. For example, if the **`swe:applet`** tag that Siebel CRM uses for this mapping resides in a **`swe:idgroup`** tag, then the Namespace property specifies the ID of the idgroup tag.

Web Page Object Types

This topic describes the Web Page object type and the object types that are children of this object type. It includes the following topics:

- *Web Page*
- *Web Page Item*
- *Web Page Item Locale*
- *Web Page Item Parameter*
- *Web Page Locale (H)*

Web Page

A web page specifies the Web page that Siebel CRM uses as a container for a view.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Web Page`

The following table describes properties that Siebel CRM uses with a web page.

Property	Description
Do Not Use Container **(O)**	You can use one of the following values: • **TRUE.** Display the template file for this page with the applications container web page. • **FALSE.** Display the template file for this page without the applications container web page.
Name **(R)**	Specifies the name of the web page.
Title	Not used.
Web Template **(R)**	Specifies the name of the web template that Siebel CRM associates with this Web page.

Web Page Item

A web page item identifies the object that Siebel CRM displays on a web page. It is similar to a control in an applet but Siebel CRM uses it outside the context of an applet on a Web page. Siebel CRM maps a web page item to a `swe:pageitem` tag in the Web page.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Web Page > Web Page Item`

The following table describes properties that Siebel CRM uses with a web page item.

Property	Description
Caption **(O)**	Specifies the display name of this web page item.
HTML Attributes **(O)**	Specifies to add HTML tag attributes to the HTML tags that the client creates to display the web page item.
Item Identifier **(R)**	Specifies the ID of the **`swe:pageitem`** tag.
Item Identifier - Language Override **(O)**	Specifies the ID of the **`swe:pageitem`** tag if a language or locale is active.
Method Invoked **(O)**	Specifies the method that Siebel CRM calls.
Name **(R)**	Specifies the name of the web page item.
Namespace **(O)**	Specifies the qualifier that Siebel CRM uses for the item identifier. For example, if the **`swe:pageitem`** tag that Siebel CRM uses for this mapping resides in a **`swe:idgroup`** tag, then the Namespace property specifies the ID of the idgroup tag.
Namespace - Language Override **(O)**	Specifies the qualifier for the item identifier if a language or locale is active.
Show Popup **(O)**	You can use one of the following values: • **TRUE.** Open a browser window before calling the method. • **FALSE.** Call the method before opening a browser window.
Target View Frame **(O)**	Specifies the HTML page that Siebel CRM loads into the frame that the Target View Frame property specifies.
Type **(R)**	Specifies how to display this web page item on the HTML page.

Web Page Item Locale

A web page item locale defines language overrides that Siebel CRM uses with a web page item.

This object type occurs in the following location in the object hierarchy:

- **`Siebel Objects > Web Page > Web Page Item > Web Page Item Locale`**

The following table describes properties that Siebel CRM uses with a web page item locale.

Property	Description
Caption **(O)**	Specifies the display name of this web page item.
Item Identifier **(O)**	Specifies the ID of the **`swe:pageitem`** tag.

Property	Description
Name **(R)**	Specifies the abbreviation for the language that the Siebel CRM application uses. For example: **ENU**
Namespace **(O)**	Specifies the qualifier that Siebel CRM uses for the item identifier. For example, if the **swe:pageitem** tag that Siebel CRM uses for this mapping resides in a **swe:idgroup** tag, then the Namespace property specifies the ID of the idgroup tag.

Web Page Item Parameter

A web page item parameter varies depending on the web page item. For example, if the Method Invoked property of a web page item is GoToView, then the web page item parameter identifies a view and the value is the name of this view.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Web Page* > *Web Page Item* > Web Page Item Parameter**

The following table describes properties that Siebel CRM uses with a web page item parameter.

Property	Description
Name **(R)**	Specifies the name of the web page item parameter.
Value **(R)**	Specifies the value of the web page item parameter.

Web Page Locale (H)

A web page locale defines language overrides that Siebel CRM uses with a web page.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Web Page* > Web Page Locale**

The following table describes properties that Siebel CRM uses with a web page locale.

Property	Description
Name **(R)**	Specifies the name of the object.
Title **(O)**	Specifies the text that Siebel CRM uses for the title of the Web page for a language.

Web Template

A web template defines a repository description that Siebel CRM uses for the Web template. Other objects that use a web template reference the web template name. Applets, views, and web pages are examples of these objects.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Web Template`

The following table describes properties that Siebel CRM uses with a web template.

Property	Description
Name **(R)**	Specifies the name of the web template.
Type **(R)**	Specifies the web template type.

Workflow Policy Column Object Type

This topic describes the Workflow Policy Column object type.

Workflow Policy Column

A workflow policy column identifies a column that Siebel CRM monitors in the Siebel database or an extension column. It also specifies the picklist that Siebel CRM uses for this column. One or more workflow processes can use the same workflow policy column. It is recommended that you do not modify any property of a predefined workflow policy column. If your implementation requires customization, then you can add a new workflow policy column.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Workflow Policy Column`

The following table describes properties that Siebel CRM uses with a workflow policy column.

Property	Description
Applet **(O)**	Specifies the pick applet that Siebel CRM uses to display the picklist in the Workflow Policies view.
Column Name **(R)**	Specifies the name of a column from the picklist of columns that exist in the table that the Table Name property specifies.
Name **(R)**	Specifies the name of this workflow policy column. Siebel CRM displays this name in the Conditions list in the Workflow Policies view.

Property	Description
PickList **(O)**	Specifies the picklist that Siebel CRM displays in the Workflow Policy Detail view for this column. The user who creates the policy uses this picklist to choose the comparison value for this workflow policy column. For more information, see *Configuring Siebel Business Applications* .
Source Field **(O)**	Specifies the business component field of the picklist that provides the source for the comparison value. This is a field name that resides in the picklist that the PickList property specifies.
Table Name **(R)**	Specifies the name of the Siebel database table that contains this workflow policy column.

Workflow Policy Object Types

This topic describes the Workflow Policy object type and the object types that are children of this object type. It includes the following topics:

- *Assignment Object*
- *Assignment Object Extension*
- *Assignment User Prop*
- *Dynamic Candidate (H)*
- *Dynamic Candidate Attribute (H)*
- *Dynamic Candidate Component (H)*
- *Dynamic Candidate Component Col (H)*
- *Dynamic Candidate Locale (H)*
- *Dynamic Drilldown Destination*
- *Workflow Policy Component*
- *Workflow Policy Component Col*
- *Workflow Policy Object*

Assignment Object

An assignment object does the following:

- Specifies how to assign a business entity to a candidate
- Specifies how to update Siebel CRM data to complete an assignment
- Specifies other assignment arguments

A workflow policy object includes column mappings in child workflow policy components and grandchild workflow policy component columns. An assignment attribute column can specify these mappings. It does this to determine if a match exists between a candidate and a business entity. It also monitors values that Siebel CRM modifies so that Siebel CRM can do a dynamic assignment.

You must check in modifications you make. For more information, see *Checking In Assignment Objects*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Policy Object* > Assignment Object**

The following table describes properties that Siebel CRM uses with an assignment object. Siebel Tools uses different labels for some assignment object properties.It also includes only the label that displays in the Properties Window. For more information, see *How Siebel Tools Uses Different Labels for Assignment Object Properties*.

Property	Description
Add Team Members **(O)**	You can use one of the following values: • **TRUE.** Assignment Manager deletes existing team members from the teams and existing assignment rules in the assignment rule intersection table that no longer qualify. • **FALSE.** Assignment Manager never deletes existing team members from the assignment object even if they no longer qualify.
Assignment Date Column **(O)**	Specifies the datetime stamp Siebel CRM uses to indicate the last time it assigned a record. This property can contain only the following value: **ASGN_DT**
Assignment Mode **(O)**	Determines how Assignment Manager assigns an object according to organization or person. You can use one of the following values: • **Independent.** Assigns any person and organization regardless of if a relationship exists between this person and organization. • **Person-Oriented.** Assigns a person and then assigns only organizations to which this person belongs. • **Organization-Oriented.** Assigns an organization and then assigns a person who belongs in this organization. • **Organization and Person-Oriented.** Identifies all qualified people and all qualified organizations. It then assigns a person and an organization only if a relationship exists between this person and the organization.
Assignment Scoring Mode **(R)**	Specifies the mode that Siebel CRM uses to determine an assignment. You can use one of the following values: • **Person-based.** Set the assignment rule score to the score of the highest-scoring candidate. This is the default value. • **Organization-based.** Set the assignment rule score to the score of the highest-scoring organization.
Auto Reassign **(R)**	You can use one of the following values: • **TRUE.** Assignment Manager automatically reassigns assignment objects if assignment attribute values are modified and if policies are defined. This is the default value. • **FALSE.** Assignment Manager does not automatically reassign assignment objects. If the Generate Triggers server component creates triggers for the active assignment policy, and if the Auto Reassign property is FALSE, then it does not create any triggers for the update. Assignment occurs only one time when Siebel CRM inserts the record. If you modify this property after you run a Generate Triggers server component job, then you must regenerate triggers.
Calendar Activity Additional Fields **(O)**	Specifies a string that Siebel CRM uses for an activity that it assigns according to availability. This string uses the following format:

Property	Description
	`parent field, field 1, value1, field 2, value2` For example, you can specify the following fields for the Service Request object: • Activity SR Id • Type • ToDo If the user creates a new activity, then Siebel CRM uses these field values for this new activity. For more information about assignments that Siebel CRM makes according to availability, see *Siebel Assignment Manager Administration Guide* .
Calendar Create Activity **(O)**	If Siebel CRM assigns an object according to availability, then you can use one of the following values: • **TRUE.** Assignment Manager can create an activity in an employee calendar. • **FALSE.** Assignment Manager cannot create an activity in an employee calendar. FALSE is the default value. Siebel CRM assigns an object differently depending on if the object is an activity: • **An Activity.** If an assignment rule qualifies an employee, and if the Check Employee Calendar property of this assignment rule includes a check mark, and if no other employee qualifies for this assignment rule, then Siebel CRM reuses the same activity. • **Not an activity.** Siebel CRM creates a new activity for each employee who qualifies. It sets the parent activity for all activities to the original activity Id.
Calendar Duration Column **(O)**	Specifies the column in the assignment object primary table that references the object duration. If Siebel CRM assigns an object according to availability, then you must specify this property.
Calendar Early Start Time Column **(O)**	Specifies the column in the assignment object primary table that references the early start time of the object. This column contains the earliest date and time that an activity can start. The time range from Calendar Early Start Time to Calendar Start Time defines the time range that the activity can start. If you do not specify a value, then the activity can start any time before the value that the Calendar Start Time Column property contains. If Siebel CRM assigns an object according to availability, then you must specify this property.
Calendar Start Time Column **(O)**	Specifies the column in the assignment object primary table that references the start time of the object. This column contains the latest time that an activity can start. The time range from Calendar Early Start Time to Calendar Start Time defines the time range that the activity can start. If Siebel CRM assigns an object according to availability, then you must specify this property.
Default Employee **(O)**	Specifies the login ID of the default employee. Assignment Manager assigns this employee if a conflict occurs and it cannot choose the correct set of employees. A conflict occurs if no assignment rules match or if two rules qualify with the same score.

Property	Description
	If you do not specify this property, then Assignment Manager sets the owner Id field in the object row to No Match Row Id.
Default Group **(O)**	Not used.
Default Org **(O)**	Specifies the name of the default organization. Assignment Manager assigns this organization if a conflict occurs and it cannot choose the correct set of organizations. A conflict occurs if no assignment rules match or if two rules qualify with the same score. If you do not specify this property, then Assignment Manager sets the owner Id field in the object row to No Match Row Id.
Default Position **(O)**	Specifies the name of the default position. Assignment Manager assigns this position if a conflict occurs and it cannot choose the correct set of positions. A conflict occurs if no assignment rules match or if two rules qualify with the same score. If you do not specify this property, then Assignment Manager sets the owner Id field in the object row to No Match Row Id.
Employee Column **(O)**	Specifies the name of the column in the employee intersection table that references rows in the employee table (S_EMPLOYEE). If the Employee Table property is not empty, then this property is required.
Employee Denorm Column **(O)**	Specifies the name of a column in the employee intersection table. This column determines if the Assignment Manager can assign an employee in a denormalization program.
Employee Key Column **(O)**	Specifies the name of the column that contains the key values of the employees that Siebel CRM assigns to the team at runtime. If the UseKeyValue server component parameter is True, then the Employee Key Column is required.
Employee Manual Column **(O)**	Specifies the name of a column in the employee intersection table. This column determines if a user can manually assign an employee.
Employee Primary Column **(O)**	Specifies the name of a column in the primary table. This column contains the primary employee on a team or a single-owner employee. A *single-owner employee* is a type of assignment where Assignment Manager can assign only one candidate to an object. If you specify a value in the Employee Primary Column, and if you do not specify a value in the Employee Table, then Siebel CRM enables the assignment object for employees in the single-owner mode. If the assignment rule is a single-owner rule, or if the Set Primary Employee property is TRUE, then the Employee Primary Column property is required.
Employee Primary Column List **(O)**	Specifies a comma-separated list of column names in the employee intersection table that Assignment Manager must copy if Siebel CRM modifies the primary employee. To copy the old primary employee to the new primary employee, Assignment Manager copies values from these columns.
Employee Primary Denorm Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can assign a primary employee in denormalization mode. If the assignment rule is a single-owner rule, or if the Set Primary Employee property is TRUE, then the Employee Primary Denorm Column property is required.

Property	Description
Employee Primary Manual Column **(O)**	Specifies the name of a column in the primary table. This column determines if a user can manually assign a primary employee. If the assignment rule is a single-owner rule, or if the Set Primary Employee property is TRUE, then the Employee Primary Manual Column property is required.
Employee Primary System Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can assign a primary employee in denormalization mode. If the assignment rule is a single-owner rule, or if the Set Primary Employee property is TRUE, then the Employee Primary System Column property is required.
Employee System Column **(O)**	Specifies the name of a column in the employee intersection table. This column determines if Assignment Manager can assign an employee in non-Denormalization mode. If the Employee Table property is not empty, then the Employee System Column property is required.
Employee Table **(O)**	Specifies the name of the employee intersection table. If Assignment Manager can assign the assignment object to multiple employees, then this intersection table contains the set of employee IDs that it assigns to the assignment object IDs. If Assignment Manager assigns objects according to team, then the Employee Table property is required.
Employee Team Score Column **(O)**	Specifies the name of the column in the team table that contains scores for each member of an employee team. This property can reference any column that contains a number.
Exclude Column **(O)**	Specifies the name of the lock assignment column in the primary table, which is a column in the primary table of the assignment object that Siebel CRM can use to prevent Assignment Manager from processing some rows. Most of the assignment object tables include an ASGN_USR_EXCLD_FLG column. Siebel CRM displays this column in the client as a field named Lock Assignment for some objects. If Siebel CRM does not display this column for an assignment object, then you can query the Siebel database for the ASGN_USR_EXCLD_FLG column in the appropriate table. You typically set the value for this column through a business component, not through Assignment Manager. For example, if the user creates a new activity, then Siebel CRM automatically adds a check mark in the Lock Assignment checkbox for this activity. The user must remove this check mark before Siebel CRM can assign this activity.
Group Column **(R)**	Specifies the name of a row ID column in the rule intersection table that references rows in the assignment rule table (S_ASGN_GRP). This column provides a foreign key to the assignment rule table. This key uniquely identifies a rule for each relationship between an assignment entity and a rule. If the Rule Table property is not empty, then the Group Column property is required.
Group Denorm Column **(O)**	Specifies the name of a column in the rule intersection table. This column determines if Assignment Manager can use the assignment rule in denormalization mode.

Property	Description
Group Manual Column **(O)**	Specifies the name of a column in the rule intersection table. This column determines if a user can manually use the assignment rule.
Group Primary Column **(O)**	Specifies the name of a column in the primary table. This column contains the primary or single-owner rule. If the Set Primary Rule property is TRUE, then the Group Primary Column property is required.
Group Primary Column List **(O)**	Specifies a comma-separated list of column names in the rule intersection table that Assignment Manager copies if Siebel CRM modifies the primary rule. It copies values from these columns from the old primary rule to the new primary rule.
Group Primary Denorm Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can use the primary rule in denormalization mode. If the assignment rule is a single-owner rule, or if the Set Primary Group property is TRUE, then the Group Primary Denorm Column property is required.
Group Primary Manual Column **(O)**	Specifies the name of a column in the primary table. This column determines if a user can manually use the primary rule. If the assignment rule is a single-owner rule, or if the Set Primary Group property is TRUE, then the Group Primary Manual Column property is required.
Group Primary System Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can assign the primary rule in denormalization mode. If the assignment rule is a single-owner rule, or if the Set Primary Group property is TRUE, then the Group Primary System Column property is required.
Group System Column **(O)**	Specifies the name of a column in the rule intersection table. This column determines if Assignment Manager can assign the rule in denormalization mode.
Group Table **(O)**	Specifies the name of the rule intersection table.
Ignore Assignment Attributes **(R)**	You can use one of the following values: • **TRUE.** Assignment Manager ignores assignment criteria that are not relevant to the assignment object. For example, if an assignment rule specifies Service Request Priority as a criterion, and if Assignment Manager assigns opportunities and accounts, then it ignores this criterion. Service Request Priority is an assignment attribute that is relevant only to a service request. • **FALSE.** Assignment Manager evaluates all assignment criteria.
Keep Creator **(R)**	You can use one of the following values: • **TRUE.** Assignment Manager cannot delete the creator of the assignment object from the team. • **FALSE.** Assignment Manager can delete the creator.
Keep Man Asgn Primary Employee **(O)**	If Assignment Manager assigns an object according to team, then you can use one of the following values:

Property	Description
	• **TRUE.** If the user explicitly sets the primary employee of a team, then Assignment Manager does not set this employee. Instead, it adds a check mark to the Primary Person Manual property of the primary table that the assignment object references. • **FALSE.** Assignment Manager sets the primary employee of a team.
Keep Man Asgn Primary Group **(O)**	If Assignment Manager assigns an object according to team, then you can use one of the following values: • **TRUE.** If the user explicitly sets the primary assignment rule for a team, then Assignment Manager does not set this rule. Instead, it adds a check mark to the Primary Assignment Rule Manual property of the primary table that the assignment object references. • **FALSE.** Assignment Manager sets the primary assignment rule even if the user already manually assigned it.
Keep Man Asgn Primary Org **(O)**	You can use one of the following values: • **TRUE.** If you define the Org Primary Manual Column property for an assignment object, and if the value in the column that this property references contains a Y, then Assignment Manager does not reassign the primary organization. • **FALSE.** Assignment Manager does examine the Org Primary Manual Column property.
Keep Man Asgn Primary Position **(O)**	If Assignment Manager assigns an object according to team, then you can use one of the following values: • **TRUE.** If the user explicitly sets the primary position for a team, then Assignment Manager does not set this position. Instead, it adds a check mark to the Primary Person Manual property of the primary table that the assignment object references. • **FALSE.** Assignment Manager sets the primary position.
Keep User Assigned **(R)**	If Assignment Manager assigns an object according to a team, then you can use one of the following values: • **TRUE.** Assignment Manager keeps manually assigned employees, positions, and assignment rules. In this situation, a position that a user adds to an account sales team is an example of a person. A territory that a user adds to a territory list for an opportunity is an example of an assignment rule. • **FALSE.** An automatic assignment operation can replace a manually assigned employee, position, or assignment rule. To determine if a user manually assigned an object, Assignment Manager examines the value of the Team Manual Column property.
Max Number Per Role **(O)**	Not used.
Name **(R)**	Specifies the name of the assignment object. This property uniquely identifies the assignment object in the repository. It provides the name that Siebel CRM displays in the picklist and multivalue group applet for assignment rules in administration views.
Org Column **(R)**	Specifies the name of the column in the organization intersection table that references rows in the organization table. If the Org Table property is not empty, then the Org Column is required.

Property	Description
Org Denorm Column **(O)**	Specifies the name of a column in the organization intersection table. This column determines if Assignment Manager can assign an organization in denormalization mode.
Org Key Column	Specifies the name of a column. This column contains the key values of the organizations that Assignment Manager assigns to the team at runtime. If the UseKeyValue server component parameter is True, then the Org Key Column property is required.
Org Manual Column **(O)**	Specifies the name of a column in the organization intersection table. This column specifies if the user can manually assign an organization.
Org Primary Column **(O)**	Specifies the name of a column in the primary table. This column contains the primary organization for a team or a single-owner organization. If you specify a value in the Org Primary Column property, and if you do not specify a value in the Org Table property, then Siebel CRM enables the assignment object for organizations that Assignment Manager assigns in single-owner mode. If the assignment rule is a single-owner rule, or if the Set Primary Org property is TRUE, then the Org Primary Column property is required.
Org Primary Column List **(O)**	Specifies a comma-separated list of column names in the organization intersection table. If Siebel CRM modifies the primary organization, then Assignment Manager copies values from these columns from the old primary organization to the new primary organization.
Org Primary Denorm Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can assign the primary organization in denormalization mode. If the assignment rule is a single-owner rule, or if the Set Primary Org property is TRUE, then the Org Primary Denorm Column property is required.
Org Primary Manual Column **(O)**	Specifies the name of a column in the primary table. This column determines if the user can manually assign the primary organization. If the assignment rule is a single-owner rule, or if the Set Primary Org property is TRUE, then the Org Primary Manual Column property is required.
Org Primary System Column **(O)**	Specifies the name of a column in the primary table. This column determines if Assignment Manager can assign the primary organization in denormalization mode. If the assignment rule is a single-owner rule, or if the Org Primary System Column property is TRUE, then the Org Primary Manual Column property is required.
Org System Column **(O)**	Specifies the name of a column in the organization intersection table. This column determines if a user can manually assign an organization.
Org Table **(O)**	Specifies the name of the organization intersection table. If Assignment Manager can assign the assignment object to multiple organizations, then this intersection table contains the set of organization IDs that it assigns to assignment object IDs. If Assignment Manager assigns objects according to team, then the Org Table property is required.

Property	Description
Org Team Score Column **(O)**	Specifies the name of a column in the team table. This column contains scores for each member of an organization team. This property can reference any column that can contain a number.
Position Column **(R)**	Specifies the name of a column in the position intersection table. This column references rows in the position table (S_POSTN). If the Position Table property is not empty, then the Position Column property is required.
Position Denorm Column **(O)**	Specifies the name of a column in the position intersection table. This column determines if the denorm program can assign a position. If the Position Table property is not empty, then the Position Denorm Column property is required.
Position Key Column	Specifies the name of a column. This column contains the key values of the employees that Assignment Manager assigns to the team at runtime. If the UseKeyValue server component parameter is True, then the Position Key Column property is required.
Position Manual Column **(O)**	Specifies the name of a column in the position intersection table. This column determines if the user can manually assign a position. If the Position Table property is not empty, then the Position Manual Column property is required.
Position Primary Column **(O)**	Specifies the name of a column in the primary table. This column contains the primary position for teams or it contains a single-owner position. If the assignment rule is a single-position rule, or if the Set Primary Position property is TRUE, then the Position Primary Column property is required.
Position Primary Column List **(O)**	Specifies a comma-separated list of column names in the position intersection table. If Siebel CRM modifies the primary position, then Assignment Manager copies values from these columns from the old primary position to the new primary position.
Position Primary Denorm Column **(O)**	Specifies the name of a column in the primary table. This column determines if the denorm program assigns the primary position. If the assignment rule is a single-position rule, or if the Set Primary Position property is TRUE, then the Position Primary Denorm Column property is required.
Position Primary Manual Column **(O)**	Specifies the name of a column in the primary table. This column determines if the user can manually assign a primary position. If the assignment rule is a single-position rule, or if the Set Primary Position property is TRUE, then the Position Primary Manual Column property is required.
Position Primary System Column **(O)**	Specifies the name of a column in the primary table. This column determines if Siebel CRM assigns the primary position. If the assignment rule is a single-position rule, or if the Set Primary Position property is TRUE, then the Position Primary System Column property is required.

Property	Description
Position System Column **(O)**	Specifies the name of a column in the position intersection table. This column determines if Siebel CRM assigns a position. This property is required if the Position Table property is not empty.
Position Table **(O)**	Specifies the name of the position intersection table. If Assignment Manager can assign the assignment object to multiple positions, then this intersection table column contains the set of position IDs that it assigns to the assignment object IDs. If Assignment Manager assigns objects according to a team, then the Position Table property is required.
Position Team Score Column **(O)**	Specifies the name of a column in the team table. This column contains scores for each member of a position team. This property can reference any column that can contain a number.
Primary Table **(R)**	Specifies the name of a primary table. The business component references this table. For example, S_ORG_EXT is the primary table for the Account assignment object.
Set Primary Employee **(O)**	Specifies the primary employee. This employee is typically the employee who possesses the highest score in the assignment rule that possesses the highest score. You can use one of the following values: • **TRUE.** Assignment Manager chooses and sets the primary employee. • **FALSE.** Assignment Manager does not choose and set the primary employee.
Set Primary Group **(O)**	Specifies the primary assignment rule. This rule is typically the rule that possesses the highest score in the assignment rule. You can use one of the following values: • **TRUE.** Assignment Manager chooses and sets the primary position. • **FALSE.** Assignment Manager does not choose or set the primary position.
Set Primary Org **(O)**	Specifies the primary organization rule. This organization is typically the organization that possesses the highest score in the assignment rule. You can use one of the following values: • **TRUE.** Assignment Manager chooses and sets the primary organization. • **FALSE.** Assignment Manager does not choose or set the primary organization.
Set Primary Position **(O)**	Specifies the primary position. This position is typically the position that possesses the highest score in the assignment rule. You can use one of the following values: • **TRUE.** Assignment Manager chooses and sets the primary position. • **FALSE.** Assignment Manager does not choose or set the primary position.
Skill Item Table **(O)**	Specifies the name of the skill item table that contains skills for the assignment object. This table must be a child table of the table that the Skill Table property specifies. The Skill Id column is a foreign key column to the skill table.
Skill Table **(O)**	Specifies the name of the table that contains skills for an assignment object.
Team	You can use one of the following values: • **TRUE.** To determine the assignment criterion, Siebel CRM uses a column in the team table.

Property	Description
	• **FALSE.** To determine the assignment criterion, Siebel CRM does not use a column in the team table. Siebel CRM uses this property for dynamic candidates.

How Siebel Tools Uses Different Labels for Assignment Object Properties

The following table describes how the labels that Siebel Tools displays in the Properties Window are different from the labels that it displays for the same property in the Object List Editor.

Label in the Properties Window	Label in the Object List Editor
Add Team Members	Replace Team Members
Default Org	Default Organization
Employee Denorm Column	Employee Team Denorm Column
Employee Manual Column	Employee Team Manual Column
Employee Primary Column List	Employee Team Copy Columns
Employee System Column	Employee Team System Column
Exclude Column	Lock Assignment Column
Group Column	Rule Column
Group Denorm Column	Rule Team Denorm Column
Group Manual Column	Rule Team Manual Column
Group Primary Column	Rule Primary Column
Group Primary Column List	Rule Team Copy Columns
Group Primary Denorm Column	Rule Primary Denorm Column
Group Primary Manual Column	Rule Primary Manual Column
Group Primary System Column	Rule Primary System Column
Group System Column	Rule Team System Column

Label in the Properties Window	Label in the Object List Editor
Group Table	Rule Table
Ignore Assignment Attributes	Ignore Extra Attributes
Keep Man Asgn Primary Employee	Keep Manual Primary Employee
Keep Man Asgn Primary Group	Keep Manual Primary Rule
Keep Man Asgn Primary Position	Keep Manual Primary Position
Keep User Assigned	Keep Manual Assigned
Org Column	Organization Column
Org Table	Organization Table
Position Denorm Column	Position Team Denorm Column
Position Manual Column	Position Team Manual Column
Position Primary Column List	Position Team Copy Columns
Position System Column	Position Team System Column
Set Primary Group	Set Primary Rule

Assignment Object Extension

An assignment object extension identifies the columns that Siebel CRM uses to determine the following items:

- Candidates it adds or drops
- Tables it uses for reporting
- Column it uses as the key column
- Columns it use for the position, employee, or organization

An assignment object extension contains the results tables. It does this only if Siebel CRM runs in reporting mode.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Policy Object* > Assignment Object Extension**

The following table describes properties that Siebel CRM uses with an assignment object extension.

Property	Description
Employee Reporting Column **(O)**	Specifies the name of the column in the employee reporting intersection table that references rows in the employee table. If the Employee Table property is not empty then the Employee Reporting Column property is required.
Employee Reporting Deletion Column	Specifies the column that contains data about the employees that Siebel CRM removes from a team. This property applies only in snapshot mode or delta reporting mode.
Employee Reporting Insertion Column	Specifies the column that contains data about the employees that Siebel CRM adds to a team. This property applies only in snapshot mode or delta reporting mode.
Employee Reporting Key Column **(O)**	Specifies the column that contains the key values of the employees that Siebel CRM assigns to a team at runtime. If the UseKeyValue server component parameter is TRUE, then the Employee Reporting Key Column property is required.
Employee Reporting Table **(O)**	Specifies the name of the employee reporting intersection table. If Siebel CRM can assign the assignment object to multiple employees, then this intersection table contains the set of employee IDs that it assigns to the assignment object IDs.
Name **(R)**	Specifies the name of the assignment object extension. This name must match the name of the assignment object.
Org Reporting Column **(O)**	Specifies the column in the organization reporting intersection table that references rows in the organization table. If the Organization Table property is not empty, then the Org Reporting Column property is required.
Org Reporting Deletion Column	Specifies the column that Siebel CRM uses to save data about the organizations that it removes from a team. This property applies only in snapshot mode or delta reporting mode.
Org Reporting Insertion Column	Specifies the column that contains data about organizations that Siebel CRM adds to a team. This property applies only in snapshot mode or delta reporting mode.
Org Reporting Key Column **(O)**	Specifies the column that contains the key values of the organizations that Siebel CRM assigns to a team at runtime. If you specify this property, then you must set the UseKeyValue server component parameter to True.
Org Reporting Table **(O)**	Specifies the name of the organization reporting intersection table. If Siebel CRM can assign the assignment object to multiple organizations, then this intersection table contains the set of organization IDs that it assigns to the assignment object IDs.
Position Reporting Column **(O)**	Specifies the column in the position reporting intersection table that references rows in the position table. If the Position Table property is not empty, then the Position Reporting Column property is required.

Property	Description
Position Reporting Deletion Column	Specifies the column that identifies the positions that Siebel CRM removes from a team. This property applies only in snapshot mode or delta reporting mode.
Position Reporting Insertion Column	Specifies the column that Marks the positions that are added to the team. This property applies only in snapshot mode or delta reporting mode.
Position Reporting Key Column **(O)**	Specifies the column that contains the key values of the positions that Siebel CRM assigns to a team at runtime. If you specify this property, then you must set the UseKeyValue server component parameter to True.
Position Reporting Table **(O)**	Specifies the name of the position reporting intersection table. If Siebel CRM can assign the assignment object to multiple positions, then this intersection table contains the set of position IDs that it assigns to the assignment object IDs.

Assignment User Prop

An assignment user prop sends a property value to the C++ code that implements specialized configuration. Siebel CRM persists the value that you configure for a user property in the Siebel runtime repository.

You can use the following types of assignment user properties:

- **PositionTeamDenormN, where N is any number.** If Siebel CRM replaces one position with another position from the same rule, then you can use a PositionTeamDenormN property to copy additional columns. For example, you must replace an existing sales representative on an account team with another representative. For more information, see the topic about configuring an assignment object to copy additional columns to the team table in *Siebel Assignment Manager Administration Guide* .
- **User properties for assignment according to availability.** For more information, see *Siebel Assignment Manager Administration Guide* .

A Column user property takes precedence over a corresponding Value user property. For example, if you define a Breakable Flag Column user property and a Breakable Flag Value user property, then the Breakable Flag Column user property takes precedence. Assignment Manager uses the following order of precedence:

1. Column user property
2. Value user property
3. Calendar Activity Additional Fields property

For more information, see *Object Types That You Must Not Modify*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Policy Object* > *Assignment Object* > Assignment User Prop**

The following table describes properties that Siebel CRM uses with an assignment user prop.

Property	Description
Name	Specifies the name of the user property.
Value (R)	Specifies the value of the user property.

Dynamic Candidate (H)

A dynamic candidate defines employee, position, and organization candidates for an assignment rule that Siebel CRM dynamically specifies from an attribute on the object.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Policy Object* > *Assignment Object* > Dynamic Candidate**

The following table describes properties that Siebel CRM uses with a dynamic candidate.

Property	Description
Attribute Id Column	Not used.
Attribute Table	Not used.
Display Name **(O)**	Specifies the display name for the dynamic candidate. The symbolic string must be created before setting the display name.
Name	Specifies the name for this object.
Object Id Column	Not used.
Score Column	Not used.
Team Table	Not used.
Team Table Attribute Id Column	Not used.
Team Table Candidate Id Column	Not used.
Team Type	Specifies the candidate team to use employee, organization, or position.

Dynamic Candidate Attribute (H)

A dynamic candidate attribute applies to Siebel CRM versions earlier than version 7.8. For version 7.8 and later, see *Dynamic Candidate Component (H)* and *Dynamic Candidate Component Col (H)*.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Assignment Object* > *Dynamic Candidate (H)* > Dynamic Candidate Attribute**

The following table describes properties that Siebel CRM uses with a dynamic candidate attribute.

Property	Description
Assignment Criterion	Not used.
Team Attribute Column	Not used.

Dynamic Candidate Component (H)

A dynamic candidate component defines a list of joins from the assignment object to the candidate table.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Policy Object* > *Assignment Object* > *Dynamic Candidate (H)* > Dynamic Candidate Component**

The following table describes properties that Siebel CRM uses with a dynamic candidate component.

Property	Description
Additional Join Spec	Specifies an additional join.
Candidate Id Column	Specifies the column in the Team table that contains the Id of the candidate employee, position, or organization.
Candidate Table	Specifies to use the name of the source table that occurs at the last level of a join. If Candidate Table is TRUE, then the Candidate Id Column property is required. This property was named Team Table in Siebel CRM versions prior to version 7.8.
Primary	This property can include one of the following values: • **TRUE.** Siebel CRM uses the primary table for the join. The *primary table* is the table that contains the assignment object. For example, assume a record in the S_ORG_EXT table is marked as the primary for an account, contact, and position dynamic candidate. In this situation, Assignment Manager determines that Siebel CRM must use the S_ORG_EXT table as the first table in the join.

Property	Description
	• **FALSE.** The Target Column Name property and the Target Component Name property are required.
Score Column	Specifies the column in the Team table that contains the scores of the candidates.
Source Column Name **(R)**	Specifies the column in the source table that relates to another dynamic candidate component.
Source Table Name **(R)**	Specifies the table that the dynamic candidate component references.
Target Column Name	Specifies the column in the target component that maintains a relationship with the column in the source column of the source table for this record. When Siebel CRM creates the SQL code, the inner join source table that the source column references on the source table equals the target column of the source table from the target component.
Target Component Name	Specifies the target dynamic candidate component that joins to the source table in this dynamic candidate component.

Dynamic Candidate Component Col (H)

A dynamic candidate component col maps columns in a source table at a level in a join to an assignment according to team criterion.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Workflow Policy Object > Assignment Object > Dynamic Candidate (H) > Dynamic Candidate Component (H) > Dynamic Candidate Component Col`

The following table describes properties that Siebel CRM uses with a dynamic candidate component col.

Property	Description
Assignment Criteria Attribute Name	Specifies the name of the assignment criteria attribute that Siebel CRM compares to the value in the Attribute Column Name property.
Assignment Criteria Name	Specifies the name of the assignment criteria. If you set the Assignment Criteria Attribute Name property, then Siebel CRM automatically populates the Assignment Criteria Name property.
Attribute Column Name **(R)**	Specifies the name of the column in the source table.
Copy Column Name	Specifies the name of the column stamped on the team table if working in operational mode.
Reporting Copy Column Name	Specifies the name of the column stamped on the name reporting table if working in reporting mode.

Dynamic Candidate Locale (H)

A dynamic candidate locale defines language overrides that Siebel CRM uses with a dynamic candidate.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Policy Object* > *Assignment Object* > *Dynamic Candidate (H)* > Dynamic Candidate Locale**

The following table describes properties that Siebel CRM uses with a dynamic candidate locale.

Property	Description
Display Name **(O)**	Specifies the display name for the dynamic candidate locale object.

Dynamic Drilldown Destination

A dynamic drilldown destination configures dynamic drilldown configuration for a drilldown field and the corresponding list column or control.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Applet* > *Drilldown Object* > Dynamic Drilldown Destination**

The following table describes properties that Siebel CRM uses with a dynamic drilldown destination.

Property	Description
Destination Drilldown Object **(O)**	Specifies the name of the drilldown object in the same applet that the drilldown displays if the field specified in the Field property matches the value specified in the Value property.
Field **(O)**	Specifies the Type field in the business component that the applet references. Siebel CRM examines this field in the current record to determine if the value that it contains matches the setting in the Value property of the dynamic drilldown destination. If the value matches, then the drilldown displays the drilldown object that the Destination Drilldown Object property specifies.
Name **(R)**	Specifies a name that uniquely identifies each dynamic drilldown destination object definition in the parent drilldown object.
Sequence **(O)**	Specifies the order that Siebel CRM uses to search for the children of one drilldown object. It performs this search from lowest to highest according to the integer value that this property contains.
Value **(O)**	Specifies the value that Siebel CRM must match with the Type field.

Differences Between Static and Dynamic Drilldowns

The drilldown object definition in a static drilldown or a dynamic drilldown identifies a drilldown field and a view. These properties specify the list column or control that includes drilldown capabilities and the destination view if the user clicks the drilldown. In a dynamic drilldown, the drilldown object also includes dynamic drilldown destination object definitions. Each of these definitions references the Type field in the business component and specifies a value that Siebel CRM uses to examine the value in this field. If Siebel CRM finds a match in a dynamic drilldown destination, then it uses a different drilldown object that typically resides in a different destination view.

To use a dynamic drilldown, the user must be assigned a responsibility that allows this user to view the default drilldown. For example, assume Applet A on View B uses a dynamic drilldown and that View C is the default view for this drilldown. To make sure this drilldown works property, the user must be assigned a responsibility that allows the user to use View B and View C.

Workflow Policy Component

A workflow policy component identifies a database table and specifies a relationship with another table that the workflow process references. A *primary workflow policy component* is a workflow policy component that all other workflow policy components directly or indirectly reference. To define the workflow conditions that are available for monitoring in the workflow policy object, you can use these workflow policy components.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Policy Object* > Workflow Policy Component**

The following table describes properties that Siebel CRM uses with a workflow policy component.

Property	Description

Join Spec **(O)**	Specifies a join between this workflow policy component and the target workflow policy component.
	
	If the existing join references an intersection table that would result in Siebel CRM returning multiple rows, then you specify the Join Spec property. The join that the Join Spec property references restricts the join so that Siebel CRM returns only one row at a time. The expression that the Join Spec property contains is equivalent to an additional WHERE clause in SQL. It uses the following format:
	
	`workflow_component.foreign_key = business_component.primary_key`
	
	For example, the following join specification occurs in the Primary Opportunity/Position workflow policy component in the Opportunity workflow process:
	
	`[Primary Opportunity/Position].OPTY_ID = [Opportunity].ROW_ID`
	
	You must enclose the component name with square brackets.

Name **(R)**	Specifies the name of this workflow policy component.

Property	Description
Primary **(O)**	If TRUE, then this workflow policy component is the primary workflow policy component for the parent workflow policy object. Each workflow policy object must include one and only one primary workflow policy component. For example, the Primary property of the Account workflow policy component of the predefined Account workflow policy object is TRUE. This configuration defines the Account workflow policy component as the primary. Other workflow policy components in the Account workflow policy object are not primary workflow policy components.
Source Column Name **(O)**	Specifies the column in the source table that another workflow policy component references. The drop-down list for this property displays columns from the table that the Source Table Name property specifies.
Source Table Name **(R)**	Specifies the table that this workflow policy component references.
Target Column Name **(O)**	Specifies the column in the target workflow policy component that Siebel CRM joins to the source column in this workflow policy component. The drop-down list for this property displays columns of the table that the target workflow policy component specifies.
Target Component Name **(O)**	Specifies the target workflow policy component. The drop-down list for this property displays a list of workflow policy components for the current workflow policy object.

Workflow Policy Component Col

A workflow policy component col identifies a column that Siebel CRM can monitor from the parent workflow policy component.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects** > ***Workflow Policy Object*** > ***Workflow Policy Component*** > **Workflow Policy Component Col**

The following table describes properties that Siebel CRM uses with a workflow policy component col.

Property	Description
Alias	Specifies the name of the column that Siebel CRM displays in the Conditions Field picklist in the Workflow Policies view.
Name **(R)**	Specifies the name of the workflow policy component col that Siebel CRM displays in the Conditions applet in the Workflow Policy Detail view. This property defaults to the same value that the Workflow Column Name property contains.
Workflow Column Name **(R)**	Specifies the name of the column that Siebel CRM monitors in the workflow policy component. This name must specify the object definition of an existing workflow policy column.
Workflow Object Name **(R)**	Specifies the name of the workflow policy object for this workflow policy component col.

Workflow Policy Object

A workflow policy object groups workflow policy component objects and workflow policy component columns that Siebel CRM can monitor in the same workflow policy object.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Workflow Policy Object`

The following table describes properties that Siebel CRM uses with a workflow policy object.

Property	Description
Name **(R)**	Specifies the name of this workflow policy object.

Workflow Policy Program Object Types

This topic describes the Workflow Policy Program object type and the object types that are children of this object type. It includes the following topics:

- *Workflow Policy Program*
- *Workflow Policy Program Arg*

Workflow Policy Program

A workflow policy program specifies the name and type of a workflow policy program or action that Siebel CRM can use in reply to meeting a workflow policy condition. Siebel CRM displays the workflow policy programs in the drop-down list of the Actions Applet field in the Workflow Policy Detail view. You can use predefined workflow policy programs that already configure variables except for the message text, or you can create a custom workflow policy program.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Workflow Policy Program`

The following table describes properties that Siebel CRM uses with a workflow policy program.

Property	Description
Name **(R)**	Specifies the name of the action that Siebel CRM performs.
Type **(R)**	Specifies one of the following types of actions: • **DB Operation.** For more information, see *Setting the DB Operation*. • **External Program.** Run an external program in Windows. • **Send Message.** Compose and send an automatic email message.

Property	Description
	• **Send Page.** Send a page to a pager. • **Send Broadcast Message.** Send a broadcast message to a group of users. In some situations, if Siebel CRM modifies data, then it must also modify some other data. To configure this data dependency, you can do one of the following: • Use the Application Object Manager, business components, and run-time events. • Use a database operation in a workflow policy object that modifies records at the database level. It is recommended that you use this database operation only if this data dependency affects database records instead of business components. For example, if Siebel CRM must update one database record if it inserts another database record regardless of the business components that reference these database records, or if no business component references these records.
Workflow Object **(O)**	Specifies the name of the workflow policy object.

Setting the DB Operation

In some situations, if Siebel CRM modifies data, then it must also modify some other data. Siebel CRM typically implements this data dependency at the Object Manager layer through business components and run-time events. Database operations that workflow policies run provide an alternative that works at the Siebel database record level.

It is recommended that you configure Siebel CRM to use DB Operation only if the data dependency is centered around database records rather than business components. For example, if Siebel CRM must update one database record if it inserts another database record, then you can use DB Operation regardless of the business components that the two database records belong to, or whether the two database records belong to a business component at all.

Using Variables In a Message

To make content more specific, you can use variables in the messages. This configuration also allows you to use the same message for more than one workflow policy object. For example:

```
The severity level for SR from account is value and has been open for 2 hours.
```

CAUTION: You must not modify or create an SQL statement or message that uses variables that other SQL statements set. For help with this configuration, see *Object Types That You Must Not Modify*.

Workflow Policy Program Arg

A workflow policy program arg defines recipients, database actions, and substitutions. Each workflow policy program typically contains several workflow policy program arguments.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Workflow Policy Program > Workflow Policy Program Arg`

The following table describes properties that Siebel CRM uses with a workflow policy program arg.

Property	Description
Applet **(O)**	Specifies the picklist applet.
Default Value **(O)**	Specifies a text value. This text depends on the type of workflow policy program arg. For example, an SQL statement, the text of a message, or the email address of a recipient. The maximum length is 2000 characters. **CAUTION:** Siebel CRM does not allow some kinds of text in the Default Value property of a workflow policy program arg. You must not include trailing spaces, newline, or escape characters. Using these characters might cause problems, such as a Workflow Monitor Agent failure at run time. You must create or modify a workflow policy program arg only with caution. For more information, see *Siebel Business Process Framework: Workflow Guide* .
Name **(R)**	For more information, see *Setting the Name Property of a Workflow Policy Program Arg*.
Picklist **(O)**	Specifies the object definition of a picklist.
Required **(O)**	If TRUE, then data entry is required.
Source Field **(O)**	Specifies the picklist source field.
Visible **(O)**	If TRUE, then Siebel CRM displays the data that this argument provides.

Setting the Default Value Property of a Workflow Policy Program Arg

To run a workflow policy program, the Siebel Server retrieves data from the Siebel database through an ODBC connection. The ODBC driver returns a date format that might be different from the format that the Siebel database uses. If you set the Default Value property of a workflow policy program arg, and if this workflow policy program arg references a time or date field, then you must use one of the following formats. This configuration makes sure the date formats are compatible:

- Date Column: 2001-03-16
- Time Column: 19:26:26
- Date and Time Column: 2001-04-05 21:25:00

Setting the Name Property of a Workflow Policy Program Arg

To familiarize yourself with how Siebel CRM uses a workflow policy program argument, you can examine some of the predefined arguments. For example, in the Workflow Policy Programs list, you can query the Name property for Run External Program. This topic describes some of the workflow policy program arguments that this object references. Note the following:

- You enter the value manually in the Name property of the workflow policy program arg.
- If you run a database operation with Insert as the Operation Type, then you can choose a Default Value, New Row ID that provides the value for the ROW_Id field for the inserted row.

The following table describes values for workflow policy program arguments that are common to a workflow policy program.

Argument	Description	Value You Can Enter
Primary Id	Specifies the row ID of the violating row on which the workflow policy program runs.	Empty.
Primary Table	Specifies the base table where this workflow policy program arg applies an action. The base table can be unrelated to 'the record of the primary ID. For example, the violating row resides in a child table and Siebel CRM must insert or update a record in the parent table. It can also update a table that is not related to the primary ID table. For example, to create a broadcast message when a monitored value in the opportunity becomes true.	The name of a table in the repository, as compared to the business object that a workflow process references. Siebel CRM uses the business object that a workflow process references to monitor values but not to code an action program.
Update Row ID	Specifies the row ID of a table other than the primary table of the workflow policy object. You can configure Siebel CRM to associate a workflow policy action with a workflow policy object that updates a table. Siebel CRM uses the Update Row ID property only if the Operation Type is set to Update.	The row ID that Siebel CRM must update.
Operation Type	Specifies to perform an update operation or insert operation.	You can use one of the following values: • Update • Insert
Field Name	Specifies the Name of the column in the base table that this operation updates. This value is one of two field column pairs.	You can use one of the following values: • Text • Variable • Function
New Row ID	Specifies the row ID of the row that Siebel CRM must insert. Siebel CRM automatically populate this property with this row ID.	Empty.
Field Name (Column)	Specifies the field name using the following format: `Field_nameColumn` where: • Field name is the field name of the first column pair This is the second of two column pairs.	Field name in the base table. This value cannot contain leading spaces.
Sql Statement	Specifies the data from the Siebel database that Siebel CRM uses to populate substitutions when it performs an action.	Valid SQL query statement for one of the following RDBMS that your implementation uses: • Oracle • MS SQL

Argument	Description	Value You Can Enter
		• Informix • Sybase
Sql Statement Inputs	Specifies the name of a column in the base table on which Siebel CRM performs an operation.	Not applicable.
Sql Statement Outputs	Specifies a variable for the values that the SQL Statement argument chooses.	Name of the variable.

Sending Multiple Variables to SQL Program Arguments

Multiple variables can be sent into SQL program arguments.

To send multiple variables to SQL program arguments

1. In the Workflow Policy Program Arguments list, choose Sql Statement Inputs.
2. Enter the variable names into the Default Value property.

   Use the following format:

```
[variable1], [variable2], [variable n]
```

Arguments for a Workflow Policy Program that Sends a Message

The following table describes workflow policy program arguments that the Send Email workflow policy program references. These arguments are specific to sending a message. To view these arguments, you can query the Name property for Send Email.

Value in Name Property	Usage	Value
Email Message	Specifies the body of the email message.	Text with available substitutions.
Email Message Repeated	Specifies the text that Siebel CRM repeats when it uses the Consolidate feature.	Text with available substitutions.
Email Subject	Specifies the text in the subject line of the email message.	Text.
Send to Contact	Specifies the contacts who are available in Siebel CRM.	Not applicable.
Send to Position	Specifies the list of the positions that are available in Siebel CRM.	Not applicable.
Send to Employee	Specifies the list of employees who are available in Siebel CRM.	Not applicable.

Value in Name Property	Usage	Value

Arguments for a Workflow Policy Program that Sends a Page

The following table describes workflow policy program arguments that are specific to some workflow policy programs that send a page.

Value in Name Property	Usage	Value
Send to Contact	Specifies the contacts who are available in Siebel CRM.	Picklist of contacts.
Send to Employee	Specifies the list of employees who are available in Siebel CRM.	Picklist of employees.
Send to Position	Specifies the list of the positions that are available in Siebel CRM.	Picklist of positions.
Send to Relative	Specifies to send to an individual or group of individuals who are related to the workflow process object.	Not applicable.
Alpha Numeric Page Message	Specifies the body of the text message.	Text with available substitutions.
Numeric Page Message	Specifies the body of the numeric message.	Text with available substitutions.

Arguments for a Workflow Policy Program that Runs an External Program

The following table describes workflow policy program arguments that are specific to some workflow policy programs that run an external program.

Value in Name Property	Usage	Value
Command Line	Specifies the parameters that Siebel CRM sends to the executable.	Not applicable.
Executable Name	Specifies the full path to the executable that Siebel CRM runs.	Not applicable.
Executable Type	Specifies the mode the Workflow Action Agent uses to run the external program.	You can use one of the following values: • Wait • No wait

Workflow Process Object Types

This topic describes the Workflow Process object type and the object types that are children of this object type. It includes the following topics:

- *WF Branch Connector (H)*
- *WF Branch Criteria (H)*
- *WF Branch Criteria Value (H)*
- *WF Process Metric*
- *WF Process Prop*
- *WF Step*
- *WF Step Branch (H)*
- *WF Step I/O Argument (H)*
- *WF Step Recipient (H)*
- *Workflow Process*

WF Branch Connector (H)

A WF branch connector is a link that connects two steps.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Process* > *WF Step* > *WF Step Branch (H)* > WF Branch Connector**

The following table describes properties that Siebel CRM uses with a WF branch connector.

Property	Description
From Step Name	Specifies the name of the step where this WF branch connector begins.
Layout	Specifies the coordinates of this WF branch connector on the Workflow Designer.
Name	Specifies the name of this WF branch connector. It is recommended that you use a descriptive name that is consistent with your overall naming strategy and that is meaningful to you.
To Step Name	Specifies the name of the step where this WF branch connector ends.

WF Branch Criteria (H)

A WF branch criteria specifies a list of conditions. At runtime, the workflow engine evaluates these conditions and then configures the workflow process to use the branch that meets the condition.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Process* > *WF Step* > *WF Step Branch (H)* > WF Branch Criteria**

The following table describes properties that Siebel CRM uses with a WF branch criteria.

Property	Description
Applet Field Name	Specifies the name of a field that includes the data that Siebel CRM compares. If the Compare To property is Applet, then the Applet Field Name property is required.
Applet Name	Specifies the name of the applet that includes the field that Siebel CRM compares. If the Compare To property is Applet, then the Applet Name property is required.
Business Component	Specifies the name of a business component that the business object references. The Business Object property of the workflow process references this business object. If the Compare to value is Business Component or Expression, then the Business Component property is required.
Business Component Field	Specifies the name of a business component field. If the Compare to value is Business Component, then the Business Component Field property is required.
Compare To **(R)**	Specifies the object that contains the comparison value.
Edit	If TRUE, then the user can edit this WF branch criteria.
Item Type Name	Specifies the assignment criterion record for an assignment criteria. For more information, see *Siebel Assignment Manager Administration Guide* .
Name	Specifies the name of this WF branch criteria.
Operation	Specifies the comparison operation. You can specify one of the following values: • **All Must Match.** All of the values must match exactly, including case. • **All Must Match (ignore case).** All of the values must match without regard to case. • **Between.** Value must occur between a range of values. • **Greater Than.** Value must be greater than the comparison value. • **Is Not Null.** Value cannot be empty. • **Is Null.** Value must be empty. • **Less Than.** Value must be less than the comparison value. • **None Can Match.** None of the values can match exactly, including case. • **None Can Match (ignore case).** None of the values can match without regard to case. • **Not Between.** Value cannot occur between a range of values. • **One Must Match.** One or more values must match exactly, including case. • **One Must Match (ignore case).** One or more values must match without regard to case. • **This Must Match.** The current value must match exactly, including case. • **This Must Match (ignore case).** The current value must match without regard to case.

Property	Description
Property Name **(R)**	Specifies a property of a business process. To determine the condition, Siebel CRM uses the value of the property that the Property Name specifies.
Sequence **(S)**	Specifies the order that Siebel CRM uses to evaluate the criteria. Siebel CRM uses this sequence during an upgrade.

WF Branch Criteria Value (H)

A WF branch criteria value is for Oracle use only.

This object type occurs in the following location in the object hierarchy:

- Siebel Objects > *Workflow Process* > *WF Step* > *WF Step Branch (H)* > *WF Branch Criteria (H)* > WF Branch Criteria Value

WF Process Metric

A WF process metric defines a metric that Siebel CRM collects while the workflow process runs.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Process* > WF Process Metric**

The following table describes properties that Siebel CRM uses with a WF process metric.

Property	Description
Metric Name **(R)**	Specifies the name of this WF process metric. The drop-down list for this property displays a list of predefined metrics.
Name **(R)**	Specifies the name of the object. Siebel CRM sets a predefault value for this name to the Metric Name.
Property Name **(R)**	Specifies the name of a property of the workflow process. Siebel CRM maps this WF process metric to the property that the Property Name property specifies.

WF Process Prop

A WF process prop stores values that Siebel CRM uses in a workflow step, input argument, or output argument, or to perform an evaluation.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Process* > WF Process Prop**

The following table describes properties that Siebel CRM uses with a WF process property. Siebel Tools also displays these properties as fields in the Multi-Value Property Window. For more information, see *Siebel Business Process Framework: Workflow Guide* .

Property	Description
Access Mode	Reserved for future use.
Business Component **(O)**	Specifies the name of the business component that contains the virtual field that the Virtual Field property specifies. The drop-down list for this property displays the business components that the business object references. The Business Object property of the workflow process references this object.
Business Object **(O)**	Specifies the name of the business object that the parent workflow process references. This property is read-only. The drop-down list for this property displays only the business objects that include a primary business component.
Correlator Flag	If TRUE, then this WF process prop works as a *correlator*, which is business data that identifies the recipient of the incoming message. For more information, see the topic about the Workflow User Event Service business service in *Siebel Business Process Framework: Workflow Guide* .
Data Type	Specifies the type of data that Siebel CRM can save. You can use one of the following values: • **Alias.** Sets the size limit for a default value, not a run-time value. The default value is 250 characters. • **Binary.** Specifies to use variant or binary information, usually for XML data. You must assign a binary type the None value in the In/Out property. • **Date.** Specifies to use dates. • **Hierarchy.** Specifies to use a data type that Siebel Enterprise Application Integration uses to store data from a property set. For more information, see *Overview: Siebel Enterprise Application Integration* . • **Integration Object.** Specifies to store integration objects. Integration objects use the Hierarchy data type. • **Number.** Specifies to use numeric data. It sets the size limit for the default value, not the run-time value. The default value is 22 digits. • **String.** Specifies to use alphanumeric data, typically for UTF-16 data. It sets the size limit for the default value, not the run-time value. The default value is 250 characters. • Strongly Typed Integration Obj. Specifies to use a special data type to display a workflow process as a Siebel inbound web service. Siebel business services use this property when creating WSDLs. Siebel CRM treats values in the Strongly Typed Integration Obj property and the Integration Object property as the same data type for a workflow process or for a business service.
Default Date	Specifies the starting value if this WF process prop is a date type.
Default Number	Specifies the starting value if this WF process prop is a numeric type.
Default String	Specifies the starting value if this WF process prop is a string type. You can enter text in this property. If you enter the following value**,** then Siebel CRM initializes the value of this WF process prop with the value in the Value field of the workflow input property set:

Property	Description
	`<Value>`
Display Name	Specifies the name that Siebel CRM displays in a view.
In/Out	Specifies how to send the value that this WF process prop contains. You can use one of the following values: • **In.** Send this value into the workflow process. • **Out.** Send this value out of the workflow process. • **In/Out.** Send this value into and out of the workflow process. • **None.** Use this value only in the workflow process. If the Data Type property is Binary, then you cannot set the In/Out property to In, Out, or In/Out.
Integration Object	Specifies the data type that Enterprise Application Integration (EAI) uses to save data from an integration object. For example: `Account - Get Oracle Customer (Oracle)`
Name	Specifies the name of the process property.
Virtual Field **(O)**	Specifies the name of the business component field that Siebel CRM maps to the workflow process property. The drop-down list for the Virtual Field property displays business component fields. It displays only calculated fields that do not contain a calculated value. The workflow process does not specify this calculation. A workflow process does not require you to specify a business component field as a virtual field. An applet can reference a virtual field in the same way that it references a nonvirtual field.

WF Step

A WF step defines a step in a workflow process.

This object type occurs in the following location in the object hierarchy:

- `Siebel Objects > Workflow Process > WF Step`

The following table describes properties that Siebel CRM uses with a WF step.

Property	Description
Allow Retry Flag	Not used.
Business Component **(O)(R)**	Specifies the business component field that Siebel CRM uses to determine the condition. If the Compare to value is Business Component, then the Business Component property is required.

Property	Description
Business Service Method	Specifies the name of the business service method that Siebel CRM calls.
Business Service Name	Specifies the name of the business service that Siebel CRM calls. The drop-down list for this property displays business services that include a Hidden property is FALSE.
Error Code	Specifies a number that identifies a string in the Siebel database that contains the error message.
Error Message	Specifies the text of the error message. If you choose a value in the Error Code property, then Siebel Tools automatically enters a value in the Error Message property.
Maximum Iterations	Specifies the maximum number of times Siebel CRM can run this step in a workflow process instance. If it reaches the maximum number of iterations, then it creates an Object Manager error and the workflow process returns an In Error status. If you require the process to run to completion, then you must configure an object to catch and handle the error, such as an error workflow process or exception branch.
Name	Specifies a descriptive name that includes the following characteristics: • Consistent with your overall naming strategy • Meaningful to the designer of the process • Unique If you create a new WF step, then Siebel Tools automatically assigns a name depending on the type of step and a sequence number. You can modify this name or leave it as is.
Operation	Specifies the comparison operation. You can use one of the following values: • Delete • Insert • NextRecord • PrevRecord • Query • QueryBiDirectional • Update • Upsert
Processing Mode **(O)**	Specifies the mode that Siebel CRM uses to run the workflow process if a runtime event triggers this workflow process, You can use one of the following values: • **Local Synchronous.** Runs the workflow process in the Application Object Manager. This value is the default value. • **Remote Synchronous.** Sends a synchronous request to the Workflow Process Manager server component to run the workflow process. • **Remote Asynchronous.** Sends an asynchronous request to the Workflow Process Manager server component to run the workflow process.
Subprocess Name	Specifies the name of the subprocess step.

Property	Description
Type	Specifies the type of WF step. Siebel Tools automatically enters this value when you create a new step in the Process Designer. This value is a read only property.
Update Snapshot	If this property contains a check mark, and if Siebel CRM reaches this step in the workflow process at run time, then it uses a snapshot of the workflow process state. It does this so that it can can recover the state if a system failure occurs.
User Interact View	Specifies the name of the Siebel view that Siebel CRM displays.

Properties of Different Types of Workflow Process Steps

This topic describes properties of the various steps and connectors in a workflow process.

The following table describes properties of the start step.

Start Property	Value
Name	Start
Parent Name	Workflow name:version
Processing Mode	Local Synchronous

The following table describes properties of the business service step.

Business Service Property	Value
Allow Retry Flag	FALSE
Business Service Name	Choose the business service name from the picklist.
Business Service Method	Choose the business service method from the picklist.
Name	Business service 0. You can modify this value, as necessary.
Parent Name	*Workflow name*:*version*

The following table describes properties of the decision point step.

Decision Point Property	Value
Name	Decision Point 0. You can modify this value, as necessary.

Decision Point Property	Value
Parent Name	*Workflow name*:*version*

The following table describes properties of the subprocess step.

Sub Process Property	Value
Name	Sub Process 0. You can modify this value, as necessary.
Sub Process Name	Choose the name of the subprocess from the picklist. Siebel CRM only displays subprocesses in this picklist that include a status of Complete.

The following table describes properties of the Siebel operation step.

Siebel Operation Property	Value
Allow Retry Flag	FALSE
Business Component	Choose the business component name from the picklist.
Name	Siebel Operation 0. You can modify this value, as necessary.
Operation	Choose the operation from the list.
Parent Name	*Workflow name*:*version*

The following table describes properties of the task step.

Task Property	Value
Name	Task 0. You can modify this value, as necessary.
Task Name	Choose the task name from the picklist.

The following table describes properties of the user interact step.

User Interact Property	Value
Name	User Interact 0. You can modify this value, as necessary.

User Interact Property	Value
Parent Name	*Workflow name*:*version*
User Interact View	Choose the view name from the picklist.

The following table describes properties of the wait step.

Wait Property	Value
Business Service Method	Sleep
Business Service Name	Workflow Utilities
Maximum Iterations	Not applicable
Name	Wait 0. You can modify this value, as necessary.
Parent Name	*Workflow name*:*version*

The following table describes properties of the stop step.

Stop Property	Value
Error Code	Choose the error code from the picklist.
Error Message	If you choose the Error code, then Siebel Tools populates the Error Message property.
Name	Stop 0. You can modify this value, as necessary.
Parent Name	*Workflow name*:*version*

The following table describes properties of the end step.

Stop Property	Value
Name	End 0. You can modify this value, as necessary.
Parent Name	*Workflow name*:*version*

The following table describes properties of the error exception connector.

Error Exception Connector Properties	Value
Inactive	FALSE
Name	Error Exception 0. You can modify this value, as necessary.
Parent Name	Siebel CRM enters this value from step name.
Type	Error Exception
User Event Name	Leave this field empty.
User Event Storage	Leave this field empty.
User Event Timeout	0

WF Step Branch (H)

A WF step branch connects two workflow steps. It controls the data and process flow of a workflow process.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Process* > *WF Step* > WF Step Branch**

The following table describes properties that Siebel CRM uses with a WF step branch.

Property	Description
Event **(O) (R)**	Specifies the event that this WF step branch supports. The set of events is different for different object types. If the Event Object Type property is not empty, then the Event property is required.
Event Cancel Flag **(O)**	Specifies how Siebel CRM handles a cancel runtime event after the workflow process finishes. This property applies only to an event that Siebel CRM can cancel. It is similar to the CancelOperation in a script. If the Event Cancel Flag property is FALSE, then Siebel CRM creates the following error when the workflow process runs: `The specialized method method_name is not supported on this business component.`
Event Object **(O) (R)**	Specifies the event that Siebel CRM applies to this WF step branch. The values that you can set in the Event Object property depends on the value that you choose in the Event Object Type property. For example, if you set the Event Object Type to BusComp, then you choose only a business component in the Event Object property, such as Account.
Event Object Type **(O)**	Specifies the type of object that this WF step branch references, such as business component. If the Event Object Type property is not empty, then the Event Object property is required.

Property	Description
Event Visibility	Specifies to use a run-time event that Siebel CRM creates in the current local session or in another enterprise session. It uses this event to resume a workflow process instance that is waiting. If the workflow process is: • **Persistent.** You can set the Event Visibility property to Enterprise or Local. In most situations if a workflow process must wait for an event, then it must be persistent and you use Enterprise. • **Not persistent.** If it is not required that the workflow process be persistent, then it is recommended that you set the Event Visibility property to Local. If Event Visibility is Enterprise, then a run-time event searches for a matching workflow process instance. This configuration can affect performance.
Name	Specifies the name of this WF step branch. To import or export the workflow process, the name must be unique. If it is not unique, then you cannot commit the record.
Subevent **(O)**	Specifies the name of the method or field in a business component that Siebel CRM monitors. You set the Subevent property only if the Object Type property is BusComp or Applet and the event is InvokeMethod or SetFieldValue. For InvokeMethod, you specify the name of the method that Siebel CRM calls. For SetFieldValue, you specify the name of the field that Siebel CRM sets.
Type	Specifies the type of WF step branch. You can use one of the following values: • **Condition.** Use a condition for this task branch. • **Default.** If no other conditions are met, then use this task branch. Siebel CRM ignores any conditions that are defined for this task branch. • **Connector.** Do not use any condition branching. • **Error Exception.** Use exception handling. This connector type captures system errors. For example, the Assignment Manager server component is not available. • **User Defined Exception.** Use exception handling. This connector type captures errors that you define. For example, the user attempts to save an incomplete order.
User Event Name	Specifies a name that describes the user event. You must define a name that is unique and that is sufficiently long so that it remains unique for the Siebel enterprise. For example: `Order Placed-Begin Processing Event for Service Request Automation-Version 2`
User Event Storage	Specifies the process property that Siebel CRM uses as the destination for the payload on the incoming user event. This value can be a process property. The correlator must mark this process property.
User Event Timeout (Days)	Specifies the number days that a workflow process waits for a user event to resume operation. If the user event resides on a wait step, then you use this property. Do not set this property on a wait step.

WF Step I/O Argument (H)

A WF step I/O argument identifies the input and output arguments that a workflow process step uses. Each step accepts input from the workflow process and sends output to the workflow process.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Process* > *WF Step* > WF Step I/O Argument**

The following table describes properties that Siebel CRM uses with a WF step I/O argument.

Property	Description
Business Component	Specifies the name of a business component that the business object references. The workflow process references this business object.
Business Component Field	Specifies the name of a business component field.
Input Flag	Specifies if the field is an input argument, output argument, or a search specification. This property is read only.
Name	Specifies text that describes the purpose of this step I/O argument.
Output Arg	Specifies the name of the output argument from the business service. The drop-down list for this property includes the output arguments that exist for the method you choose. Siebel CRM displays arguments in this list that include the following: • Defined as an argument on a business service method • The Hidden flag is FALSE • Type is Output or Input/Outputp>
Preferred Sequence	Specifies the order that Siebel CRM uses for this WF step I/O argument. For Oracle internal use only.
Property Name **(R)**	Specifies the name of the process property that Siebel CRM uses to save the value of this WF step I/O argument.
Sequence	Specifies the order that Siebel CRM uses for this WF step I/O argument for upgrade purposes.
Type **(R)**	Specifies the type of argument.
Value/Search Specification	Specifies a search specification. If the Type property is Expression, then enter the Value/Search Specification property must contain an expression. For example: `[Status] LIKE '*Open*'` The Expression business component evaluates this expression.

WF Step Recipient (H)

A WF step recipient use a step recipient to assign a workflow process to a user. This assignment occurs according to login name. This login name can be a literal value, contained in a process property, or the result of an expression.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > *Workflow Process* > *WF Step* > WF Step Recipient**

The following table describes properties that Siebel CRM uses with a WF step recipient.

Property	Description
Business Component Field	Specifies the name of a business component field.
Business Component Name	Specifies the name of a business component that the business object references. The workflow process references this business object.
Expression	Specifies an expression that evaluates a value. it evaluates the expression that the Value column contains. If this expression references a business component field, then you must enter the name of the business component that contains this field. You enter this value in the Business Component column.
Name **(R)**	Specifies the name of this WF step recipient.
Process Property Name **(R)**	Specifies the name of a process property.
Recipient Name	Specifies the login name of the user.
Recipient Type Code	Specifies the type of this WF step recipient. You can choose only User.
Value Type Code	Specifies the value type code of this WF step recipient.

Workflow Process

A workflow process allows you to use a familiar flowcharting interface to define the business processes that your company uses. A workflow process includes one or more process steps, such as start steps, subprocesses, decision points, and tasks.

This object type occurs in the following location in the object hierarchy:

- **Siebel Objects > Workflow Process**

The following table describes properties that Siebel CRM uses with a workflow process.

Property	Description
Auto Persist	If TRUE, then this workflow process is persistent.
Business Object	Specifies the name of the business object that this workflow process references. Optional. The drop-down list for this property displays only business objects that include a primary business component.
Effective End Date	Specifies a date that Siebel CRM uses to retire this workflow process. For example, you can set the start date to a future date and set the end date for the existing version to the same date. Siebel CRM uses the new version starting on this date.
Effective Start Date	Specifies a date that Siebel CRM uses to start using this workflow process.
Error Process Name	Specifies the name of a workflow process. If the workflow process on which you specify the Error Process Name property encounters an error, then it runs the workflow process that you define in this property.
Group	Specifies the name of a group. This group allows you to group similar workflow processes according to your criteria, such as all the workflow processes that support a particular business process. To define this group, you use the List of Values view in the Application Administration screen in the client. This property only applies to workflow processes before Siebel CRM version 7.7. Starting with version 7.7, it is recommended that you do not use this property. You can use the Project property instead.
Name **(R)**	Specifies a name for this workflow process.
Pass By Ref Hierarchy	If TRUE, and if this workflow process is a subprocess of another workflow process, then Siebel CRM uses a reference to send any modifications it makes in this workflow process to the parent workflow process. This property can reduce the amount of memory that a workflow process requires because Siebel CRM sends data through a reference instead of sending a value.
Process Name	Specifies a name that describes the work that this workflow process performs.
Replication Level	Specifies how Siebel CRM synchronizes this workflow process with a Mobile Web Client. You can use one of the following values: • **All.** Synchronize this workflow process to all Remote users and to all regional nodes of the Siebel Server. • **Regional.** Synchronize this workflow process only to regional nodes. • **None.** Do not synchronize this workflow process.
State Management Type	For more information, see *State Management Type Property of a Workflow Process*.
Status	Displays the current status of this workflow process.
Version	Displays the version number of this workflow process. The default version is 0. Siebel Tools increments this version number by one each time you revise this workflow process.

Property	Description
Web Service Enabled **(O)**	If TRUE, then Siebel CRM exposes this workflow process as a Web service and can independently call it. Setting this property to TRUE does not automatically implement the workflow Web service. Defining the workflow process for a Web service does not set this property to TRUE.
Workflow Mode	Specifies the mode that defines the runtime configuration of this workflow process.

State Management Type Property of a Workflow Process

The State Management Type property specifies the type of business service request that Siebel CRM sends while this workflow process runs. A *stateless business service* does not depend on a state that is specific to the business service. You can set this property to one of the following values:

- **Stateful.** The Object Manager does not release a stateful or cached business service that the workflow process calls if the user pauses or finishes an instance of this workflow process. The Object Manager waits for the object that called the Workflow Engine to release the cached business service. To release this business service, the caller can use methods from the Web Channel Dedicated Block Service business service.
- **Stateless.** The Object Manager releases a stateful or cached business service that a workflow process calls if the user pauses or finishes an instance of this workflow process.

Every business service that this workflow process instance calls must be stateful or stateless.

The session state for the Object Manager requires a business service to contain a state management type. You must define a business service as Stateless or Stateful, or as a business service that the the Siebel Server manages.

For more information, see the following.and *Siebel Business Process Framework: Workflow Guide* .

How the Workflow Mode Affects the State Manage Type

Siebel CRM sets the State Management Type property of a workflow process to Stateful, by default It does this to preserve the behavior for releases that occur earlier than Siebel CRM 8.1. If a workflow process runs through Web Channel, then it might be necessary to modify the State Management Type to Stateless to take advantage of the session pooling that the Object Manager provides.

The following table describes how the Workflow Mode property of a workflow process affects the State Management Type property.

Workflow Mode	State Management Type	Description
Service Flow	Stateless	A service workflow process cannot contain a user interact step or wait step. Siebel CRM runs the entire workflow process before the Object Manager can release the session back to the session pool.
Interactive Flow	Stateless	An interactive workflow process can move between sessions through the Universal Inbox. The State Management Type property is relevant only if the workflow process runs through Web Channel. An interactive workflow process runs in a user interactive session so the State Management Type does not affect the behavior of an interactive workflow.
Long Running Flow	Stateless	The Workflow Engine allows a long-running workflow process to run between sessions even if the user pauses this workflow process.

Workflow Mode	State Management Type	Description
		It is recommended that you do not define a long-running workflow process to call a stateful business service because Siebel CRM loses the state of this business service if the instance of a long-running workflow process moves from one user session to another user session.
7.0 Flow	Stateful	Do not modify this setting unless you are sure none of the business services that the workflow process calls directly or indirectly is a stateful business service.