Primavera® Cost Manager

Administrator's Guide

Version 6.2

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Preface

Welcome to Primavera Cost Manager. This document details system requirements and explains how to install and configure Cost Manager and Cost Manager Web Access.

What is Cost Manager?

Primavera Cost Manager is an enterprise cost and earned value management system capable of implementing complex rate scenarios for sophisticated budgeting. Cost Manager enables you to import source project data directly from the Primavera Project Management module through an interface-mapping window. After the source data is imported, you can apply the rates which, based on direct and indirect rating structures, provide you with period-based, fully-burdened resource estimates. The baseline is an established budget that is fully integrated and based on inputs from scheduling data. Earned Value is based on the time-phased cost of the budget measured against the time-phased cost of performance. The cost value of performance is calculated by importing activity status that is stored by period. Finally, Cost Manager integrates actual cost data directly from the financial system through a programmed XML script, CSV (Comma Separated Values) file, or an Excel file. The result is a complete financial analysis of project data utilizing earned value methodology.

Cost Manager Cost Manager enables you to manage cost within a changing environment. Complex rate scenarios are created over user-defined fiscal periods. The software enables you to create unlimited rate tables, resource categories, and overhead categories; and, you can create a limited number of burden categories to go along with Overhead, G&A, Cost of Money, and Fee. You can activate the Rate Factoring Window to easily manage escalation by inputting rate factor escalation or de-escalation for a single resource or groups of resources, within the Cost Manager Rate Structure. You can also change the rate value over any defined fiscal period through a spreadsheet window called a Data View. The Burden Template offers a flexible method for creating the desired indirect rate application algorithm. You can easily develop rate formulas for each overhead type and assign them to the applicable organization for pricing and budgeting purposes, and you can generate charts and reports of cost and performance data from Cost Manager or in Cost Manager Web Access. For further information, see the *Primavera Cost Manager Reference Manual*.

Earned Value Management Cost Manager performs weekly or monthly earned value calculations. Earned value techniques such as milestone, level-of-effort, percent/units complete, and customizable discrete values are user-assigned to activities in Cost Manager. The period status is directly imported from the Project Management module or can be assigned through the Cost Manager spreadsheet interface.

Primavera Cost Manager Documentation

The Primavera Cost Manager documentation consists of two primary documents:

■ The *Primavera Cost Manager Administrator's Guide* (this document) describes system requirements and installation and configuration tasks.

■ The *Primavera Cost Manager Reference Manual* offers a complete guide to the features available in Primavera Cost Manager and includes a tutorial for best practices.

This manual is organized as follows:

■ "Installing Cost Manager" on page 11, which provides the following information:

• Cost Manager pre-installation hardware and software requirements

• Procedure for installing Cost Manager

• Procedures for configuring the Cost Manager databases

• Procedures for creating UDLs

■ "Installing and Configuring Cost Manager Web Access" on page 43, which provides the following information:

• Cost Manager Web Access pre-installation software requirements

• Procedures for installing Cost Manager Web Access

• Procedure for configuring a custom portlet for running Cost Manager Web Access in Primavera Project Management

■ "Appendix A: Table Definitions" on page 65, which provides information about Cost Manager database schemas

Where to Get Support

If you have a question about using Primavera products that you or your network administrator cannot resolve with information in the documentation or Help, call Primavera Customer Support at the times and locations listed below.

Please provide your Primavera product serial number when contacting Primavera. Each interaction is logged to help Primavera resolve your questions quickly.

Office	Time Zone	Hours	Telephone	FAX	Internet Address*
Bala Cynwyd, Pennsylvania, USA	ET	8:00–8:00 (Mon–Fri) 9:00–2:00 (Sat)	+1-610-668-3030	+1-610-667-0652	support@primavera.com
London, England, UK	GMT	8:30–6:30 (Mon–Thur) 8:30–5:30 (Fri)	+44-20-8563-5555	+44-20-8563-5543	support@primavera.com
Hong Kong	GMT +8	8:00–5:00 (Mon–Fri)	+852-2111-8299	+852-2111-9477	support@primavera.com

*Primavera's Web site at http://www.primavera.com/customer/index.asp provides support and product information, such as knowledgebases, file downloads, user group and newsgroup information, and a product enhancement request form.

In the United States, Primavera periodically and randomly monitors technical support calls to ensure that you receive the highest quality support.

All Primavera products are backed by comprehensive support and training.

Installing Cost Manager

The following sections provide hardware, software, and network requirements of Cost Manager, describe how to install Cost Manager, and explain how to configure remote operations.

Cost Manager Installation Requirements

The following sections describe Cost Manager system requirements.

Hardware Requirements Your desktop PC should meet the following minimum hardware requirements to install Cost Manager:

■   Pentium processor (1.1 GHz or higher)

■   512 MB of RAM (1 GB preferred)

■   CD-ROM drive

■   50 MB of free disk space

Your network (database) server should meet the following minimum hardware requirements to install Cost Manager:

■   Pentium 4 processor (2.4 GHz or higher)

■   1 GB of RAM

■   High-performance hard disk (10,000 RPM recommended)

■   CD-ROM drive

■   50 MB of free disk space

Software Requirements Your desktop PC should meet the following minimum software requirements to install Cost Manager:

■   Microsoft Windows XP Professional (SP2) or Windows Vista Business Edition

■   Primavera Project Management database 5.0 or higher (formerly P3e/c)

■   Microsoft Internet Explorer 6.0 (SP2) or 7.0

■   Microsoft.NET Framework 2.0

Your network server, also referred to as your database server, should meet the following minimum software requirements to install Cost Manager:

■   Microsoft Windows XP Professional (SP2), Windows Vista Business Edition, or Windows 2003 Server

■   Microsoft SQL Server 2005 SP2 or Oracle 10g

Default Cost Manager Database Cost Manager uses Microsoft SQL Server 2005 Express as its default database, and allows for the selection of a SQL or Oracle database within the Cost Manager Installation Wizard. See "To Install Cost Manager" on page 15.

In setting up the Cost Manager database, all of the following possible scenarios are supported:

■ Installing Cost Manager on a computer that has no pre-existing database:

 • Installs Microsoft SQL Express on the computer

 • Populates the new SQL database with sample data

 • Sets default security settings: the user name, **sa**, and the password **Prima123Vera**.

■ Installing Cost Manager on a computer that was previously installed with Microsoft SQL Server Express, or that has a pre-existing SQL database, for example, to support Primavera P6 Project Management causes the Cost Manager setup wizard to:

 • Prompt for connection information

 • Request a new database name for the CM database.

■ Installing Cost Manager on a computer that uses an external SQL Server database causes the Cost Manager setup wizard to prompt for connection information.

Cost Manager supports Oracle databases, too. While they are not created or populated through the Cost Manager setup wizard, they can be configured by restoring the cm62.dmp file which is provided on the Cost Manager 6.2 installation CD in the Oracle Database folder.

If you already have a Microsoft SQL Server Express or full edition database installed, you can select to install the Sample Database, which provides a predefined set of data for your Cost Manager installation. If you do not have a SQL Server installed, you can install it along with the Sample Data.

In previous versions of Cost Manager, a backup file named cm61.bak provided the same result as the Sample Database option. The cm61.bak file and the process of restoring from backups are no longer required. Selecting the Sample Database option automatically configures the SQL Server 2005 database. A cm62.bak file is provided on the Cost Manager 6.2 Installation CD for use, if necessary.

Installing Cost Manager

Installation Checklist Use the following checklist to aid you in tracking the installation of Cost Manager and all components.

- ■ Cost Manager Client

- ■ SVG Viewer 3.0 (Installed with the client)

- ■ XML Parser 4.0 sp2 (Installed with the client)

- ■ Internet Explorer version 6.0 or higher

- ■ Create and configure Microsoft Data Links (UDLs) for Cost Manager and the Primavera Project Management module databases

You will be prompted to provide the SQL/Oracle Server Name in the component installation process. Please make a note of your Server Name for future reference.

To Install Cost Manager

1 Insert the Cost Manager installation CD into your CD-ROM drive. The setup wizard starts automatically.

If the installation wizard does not start, double-click Setup.exe *directly from the installation CD.*

2 In the Welcome screen, click Next.
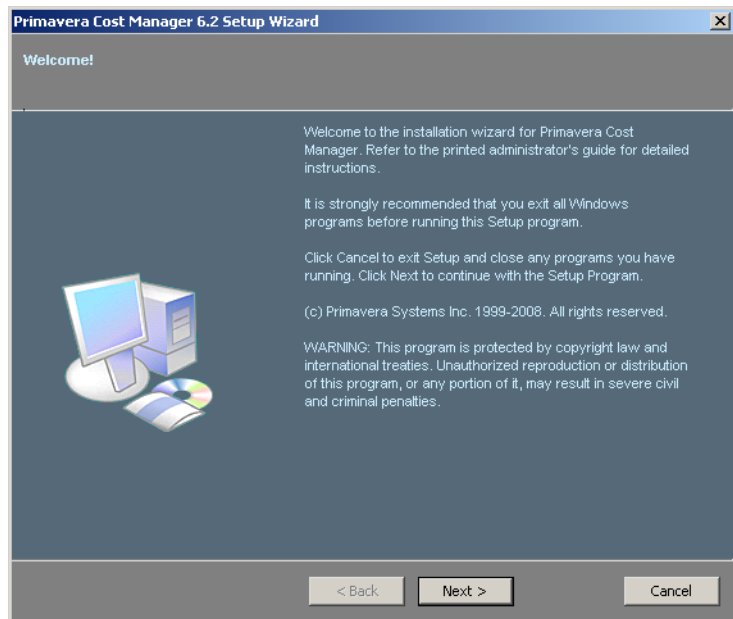
3 In the Setup Type screen:
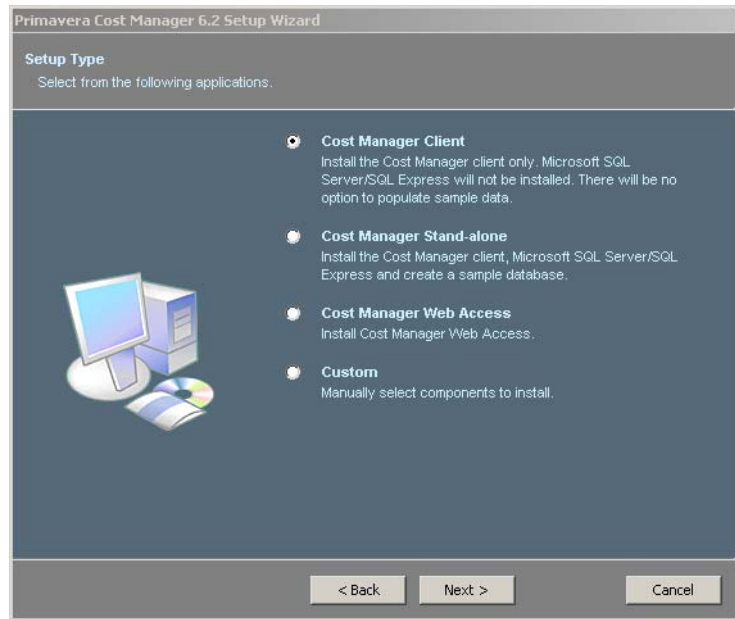
a) Select one of the following options:

- Cost Manager Client — Installs the Cost Manager client only.

- Cost Manager Stand-alone — Installs the Cost Manager client, the sample database, and Microsoft SQL Server Express if it is not already installed.

*Selecting the standalone option on a computer without a pre-existing SQL Express installation or database, causes Cost Manager to install the SQL Express database populated with sample data and set with the user name **sa** and the password **Prima123Vera**.*

If SQL Express is already installed, or if you push the sample data to an existing external SQL Server database, you are prompted to enter the connection to and name of your database.

- Cost Manager Web Access — Installs Cost Manager Web Access, the Web-based charting and reporting application. For information, see "Installing and Configuring Cost Manager Web Access" on page 43.

- Custom — Allows you to manually select multiple components, including Cost Manager, the Sample Database, Remote Access capabilities, and Cost Manager Web Access.

The Custom option is the only installation type that enables the installation of Remote Access capabilities. If you select an option other than the Custom installation, you can install remote access later using a manual procedure. For information, see "Configuring Remote Access" on page 61.
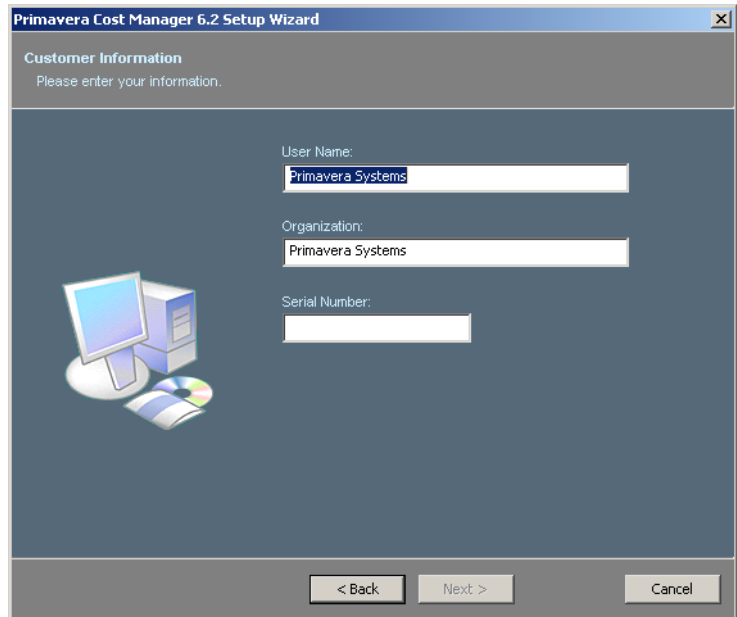
An option is selected when a check mark is displayed in its check box. By default, the Cost Manager and Sample Data options are selected.

Selecting Custom opens the Select Features to Install screen. Selecting any of the other options opens the Customer Information screen.

b) Click Next.

4 In the Customer Information screen:

a) In the User Name field, enter the name of the individual to use the Cost Manager installation.

b) In the Organization field, enter the name of the department or company to which the user belongs.

c) In the Serial Number field, enter the 8-digit serial number of your Cost Manager installation.

d) Click Next.

5 In the Destination Folder screen:

a) In the Select Destination Folder field, select the folder into which to install the Cost Manager installation.

 Or, to change the destination folder:

- Click Browse. The Select Installation Path dialog box is displayed.

- Select a new folder location for the Cost Manager installation, or enter the path to a folder in the Folder field. Click OK.

b) In the Install Cost Manager field, select to install Cost Manager for all users or for only the individual who uses the computer.

c) Click Next.
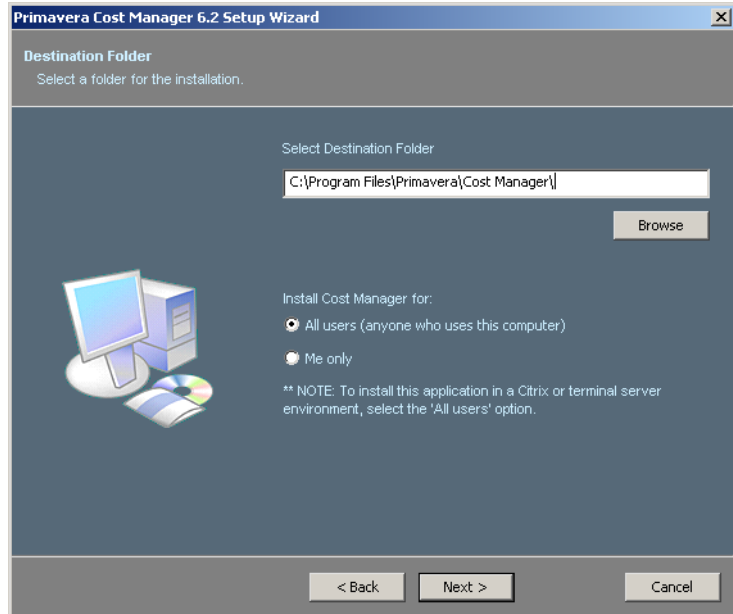
🗎 *If you previously selected to install a Cost Manager Client installation in the Setup Type screen, the Database Properties screen is displayed, in which you can configure a UDL to connect Cost Manager to either a SQL or an Oracle database. If you previously selected the Standalone or Custom installation in the Setup Type screen, you can use the Database Properties screen to set up Cost Manager Sample Data in addition to creating the UDL.*
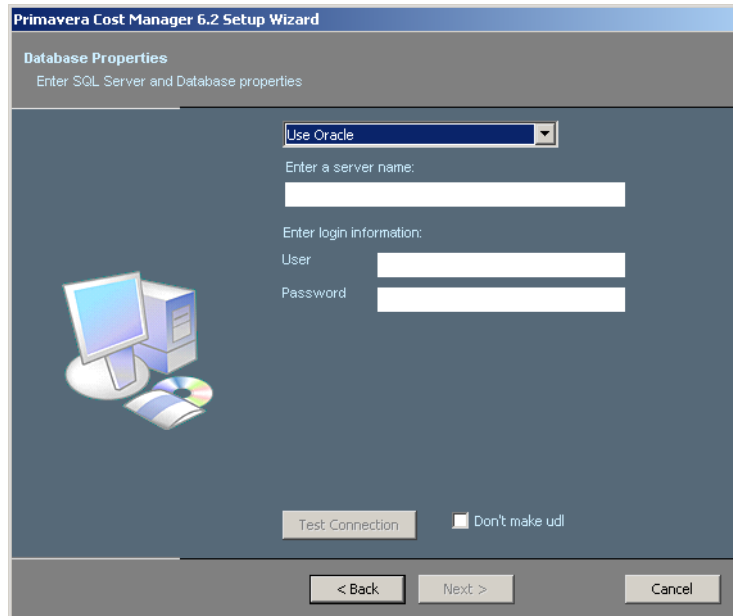
6 To set up a SQL server connection in the Database Properties screen:

a) From the pull-down menu, select Use MS SQL Server.

b) In the Enter a server name field, select or enter the name of the server on the SQL database for Cost Manager is located.

c) In the Enter login information field, select one of the following options:

• Use Windows NT Integrated security, or

• Use a specific name and password — Enter the user name **sa** and the password **Prima123Vera**.

d) In the Enter the database name to create field, enter a name for the new database.

e) Click Test Connection to ensure that the Cost Manager can connect to the database successfully.

f) Click Next.

If previously you selected to install Cost Manager Web Access, the Destination IIS Server screen is displayed. If you selected neither option, the Ready to Install screen is displayed.

Or, to configure a connection to an Oracle server:

a) From the pull-down menu, select Use Oracle.

b) In the Enter a server name field, enter the name of the server on which the Oracle database for Cost Manager is located.

c) In the User field, enter the user name for the database server login.

d) In the Password field, enter the password for the database server login.

d) Click Test Connection to ensure that the Cost Manager can connect to the database successfully.

e) Click Next.

7 In the Ready to Install screen, click Install.
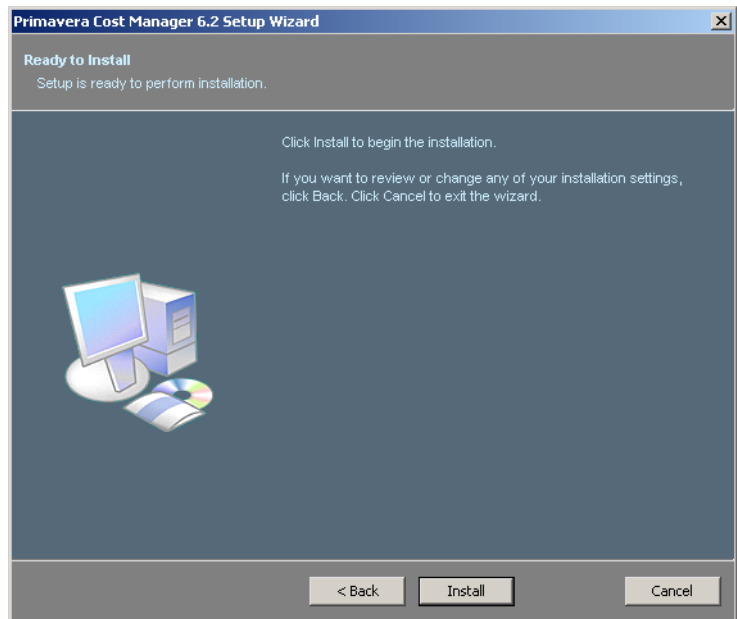
8 The Installation progress screen shows the status of all components of the Cost Manager installation.

9 In the Installation Completed screen, click Finish.
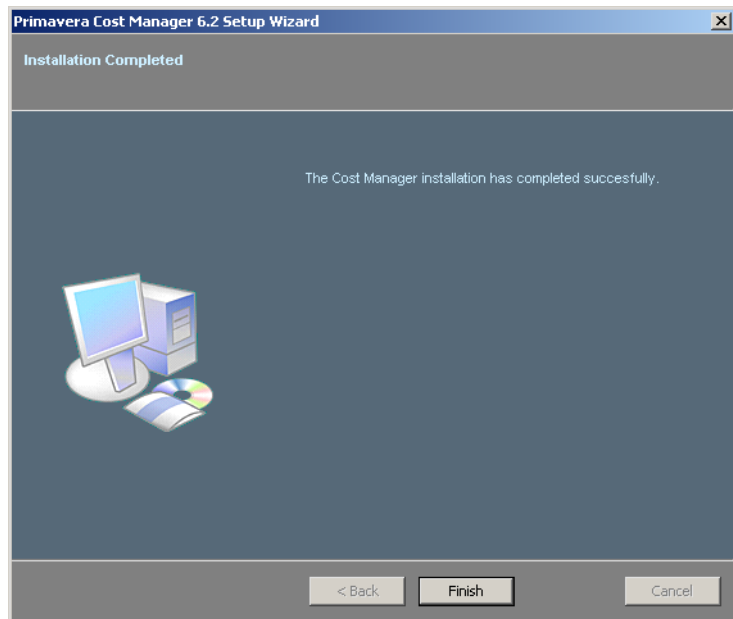
The Adobe SVG Viewer is installed during the Cost Manager installation process. The first time you launch Cost Manager, an SVG Viewer end user license agreement is displayed. Click Agree to continue.

Cost Manager Databases

Cost Manager completely integrates with Microsoft SQL Server 2005 and Oracle 10g platforms.

Microsoft SQL Server 2005 For information about configuring a Microsoft SQL Server 2005 database, such as your Primavera P6 Project Management database, with Cost Manager, see "To Link the Cost Manager Client to a Microsoft SQL Server Database" on page 34.

Oracle 10g and Compatible Versions For information about importing and restoring a user-level dump file into Oracle 10g, see "Scripts for Manually Creating a Database" on page 26.

Some database installations require more advanced knowledge of databases than others. If you are unsure of how to proceed with the installation, contact your database administrator for assistance.

For information on restoring SQL Server *.bak files, refer to the Cost Manager 6.1 Administrator's Guide provided in the Documentation folder on the Cost Manager 6.2 installation CD.

For information about configuring a Microsoft Data Link to connect the Primavera Project Management database to the Cost Manager database for importing project data into Cost Manager, see "Configure the Project Management Module Data Link" on page 38.

Scripts for Manually Creating a Database If you select to manually create the database, without selecting the Sample Database option during installation, you can use your favorite database utility to run a set of scripts, each of which is numbered in the order it is meant to run.

To manually configure your Cost Manager database as a customized Oracle database, run scripts located on the installation CD in either of the following directories:

■   \\DB\SQL2005 — Contains the following Microsoft SQL server query files for configuring a SQL database for Cost Manager:

- •   01_create_tables
- •   02_init_tables
- •   05_create_clustered
- •   06_create_indexes
- •   07_create_constraints
- •   08_create_triggers

■   \\DB\Oracle10 — Contains the following Microsoft SQL server query files for configuring an Oracle database for Cost Manager:

- •   01_create_tables
- •   02_init_tables
- •   05_create_clustered
- •   06_create_indexes
- •   07_create_constraints
- •   08_create_triggers
- •   10_compile_triggers

IMPORTANT: *If you select to manually configure your Cost Manager database, you can run the database scripts any time before the database is used, prior to or after the Cost Manager installation for a newly created database. However, the database is required to be configured before your Cost Manager application is started and used for the first time. For information about running the Oracle scripts, "Scripts for Manually Creating a Database" on page 26 in this guide.*

Creating the Oracle Database for Cost Manager

It is recommended that the Oracle database be restored by a database administrator.

The Cost Manager installation CD contains a **user-level** dump file that can be imported into Oracle 10g.

After using the *.dmp file to create the database, see "To Link the Cost Manager Client to an Oracle Database" on page 28 for information about connecting the Oracle database to a UDL for use within Cost Manager. For information about creating a new UDL for this purpose, see "To Create a Microsoft Data Link" on page 33.

To Create the Oracle Database

1   Create a tablespace called **cmmgr**.

2   Create a user named **cmmgr** with a default tablespace of **cmmgr** and an appropriate temporary tablespace.

3   Grant DBA privileges to user **cmmgr**.

4   In your database administration utility, open the \\DB\Oracle10 directory on the installation disk. Run the database scripts in the following order:

   a) 01_create_tables

   b) 02_init_tables

   c) 05_create_clustered

   d) 06_create_indexes

   e) 07_create_constraints

   f) 08_create_triggers

   g) 10_compile_triggers

To Link the Cost Manager Client to an Oracle Database

1 In the My Documents folder, double-click your Cost Manager data link to open the Data Link Properties dialog box.

2 Select the Provider tab.

3 In the list of OLE DB Provider(s), select Microsoft OLE DB Provider for Oracle.

4 Click Next or select the Connection tab.

5 In '1. Specify the source of data,' enter the Oracle Service Name or SID.

6 In '2. Enter information to log on to the server,' enter your Oracle User Name and Password, and select the 'Allow saving password' option.

7 Click Test Connection.

A message is displayed to indicate if the connection is successful. Click OK to close the message.

If the connection is not successful, confirm that you entered the correct Service Name or SID, user name, and password.

8 Click OK to close the Data Link Properties dialog.

Cost Manager supports version 10.2.0.2 or higher of the Oracle provided driver.

Creating Data Links

In this chapter

The following sections provide information about setting up Universal Data Links (UDLs), files that connect applications including Cost Manager or Project Management to a database.

Creating Microsoft Data Links

Microsoft Data Links, also referred to as Universal Data Links or UDLs, connect the Cost Manager client to the Cost Manager and Primavera Project Management databases using OLE database technology. Integrated data is stored in the appropriate SQL Server or Oracle database table set.

See the *Navigating Cost Manager* section in the Cost Manager Reference Manual for more details.

Within Cost Manager, data links are accessible from the Source Browser as available data sources. The Project Management module data link icon differs from the Cost Manager data link icon.
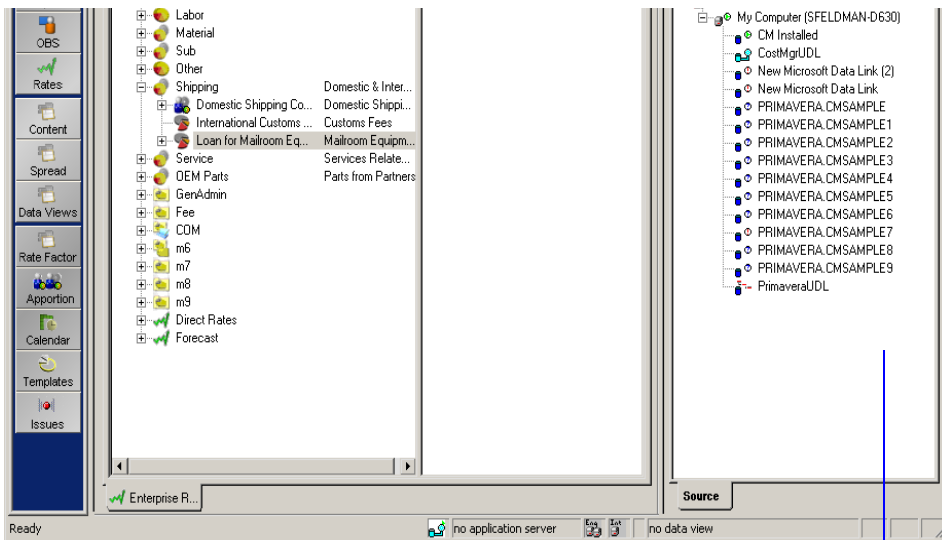
Data links for accessing the Cost Manager, Primavera Project Management, or other databases are available in Cost Manager from the Source Browser, which is displayed by selecting Window > Source Browser.

To Create a Microsoft Data Link To connect to a database, regardless of the type of database or the application from which it receives data, you are required to create and configure a data link in your My Documents folder to support each connection.

For example, to connect to the Primavera Project Management database, you are required to create a data link. If your Cost Manager application uses multiple databases, such as a Microsoft SQL and an Oracle database, create a new, individual data link per database.

Complete the following steps to create a Microsoft Data Link:

1 Run (double-click) **newudl.reg**, located in the Cost Manager installation folder, to update the Windows registry.

2 Log off and log back on to the Cost Manager workstation

3 Open the My Documents folder.

4 Right-click anywhere in the My Documents window and select New > Microsoft Data Link.
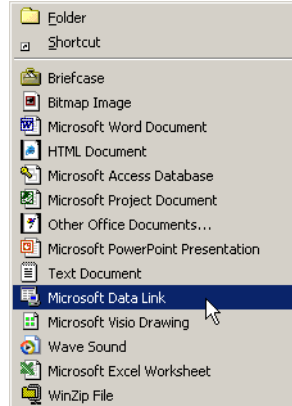
A new data link file, which uses the file extension *.udl, is created in the My Documents folder.

5 Rename the new *.udl file according to the connection it represents.

6 Repeat step 4 - step 5 for each data link you create.

Configuring the Cost Manager Data Link

After creating a new data link, configure it to link the target database to the Cost Manager client.

The instructions contained in this section assume you have already created the UDL file for a SQL Server, or Oracle database. If you have not created a UDL, see "Creating Microsoft Data Links" *on page 32.*

To Link the Cost Manager Client to a Microsoft SQL Server Database

1 In the My Documents folder, double-click your Cost Manager data link to display the Data Link Properties dialog box.

2 Select the Provider tab.

3 In the list of OLE DB Provider(s), select Microsoft OLE DB Provider for SQL Server.
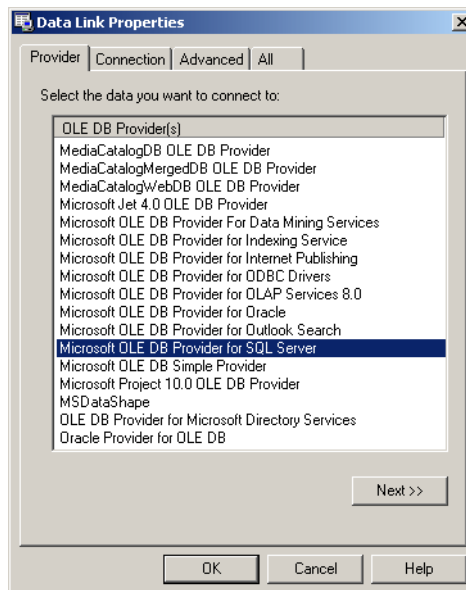
4 Click Next or select the Connection tab.

5 In '1. Specify the source of data:'

a) Select 'Use data source name.'

b) In the text box, enter the SQL Server database server name or select it from the pull-down menu.

6 In '2. Enter information to log on to the server:'

a) Enter your User name and Password or enter "sa" as the username and leave the password field empty.

b) Select the 'Allow saving password' option.

7 In '3. Select the database on the server,' then select Cost Manager from the list of databases.
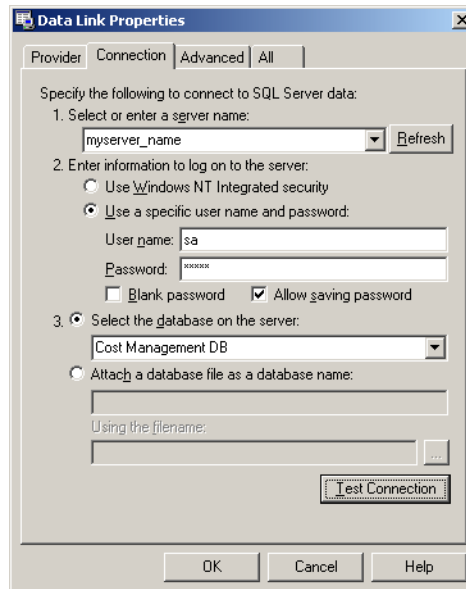
8 Click Test Connection.

A message will appear indicating if the connection was successful. Click OK to close the message. If the connection was not successful, confirm that you entered the correct server name, user name, and password.

9 Click OK to close the Data Link Properties dialog.

To Link the Cost Manager Client to an Oracle Database

1 In the My Documents folder, double-click your Cost Manager data link to open the Data Link Properties dialog box.

2 Select the Provider tab.

3 In the list of OLE DB Provider(s), select Microsoft OLE DB Provider for Oracle.

4 Click Next or select the Connection tab.

5 In '1. Specify the source of data,' enter the Oracle Service Name or SID.

6 In '2. Enter information to log on to the server,' enter your Oracle
User Name and Password, and select the 'Allow saving password'
option.

7 Click Test Connection.

A message is displayed to indicate if the connection is successful.
Click OK to close the message.

If the connection is not successful, confirm that you entered the
correct Service Name or SID, user name, and password.

8 Click OK to close the Data Link Properties dialog.

*Cost Manager supports version 10.2.0.2 or higher of the
Oracle provided driver.*

Configure the Project Management Module Data Link

You can use data links to connect the Primavera Project Management module SQL and Oracle databases to Cost Manager. After creating the data link to the Primavera database, you can access Project Management module data in Cost Manager.

The instructions contained in this section assume you have already performed the following: 1) created and configured the link between the Cost Manager database and the Cost Manager client; and 2) created a data link (*.udl) file to connect the Project Management module database to Cost Manager.

If you have not created the necessary data link files, see "Creating Microsoft Data Links" *on page 32. If you have not linked a Cost Manager database to Cost Manager, see* "Configuring the Cost Manager Data Link" *on page 34.*

To Link the Cost Manager Client to a Project Management Module SQL Server Database

1 In the My Documents folder, double-click the appropriate data link (*.udl) file to open the Data Link Properties dialog box.

2 Select the Provider tab.

3 In the list of OLE DB Provider(s), select Microsoft OLE DB Provider for SQL Server.
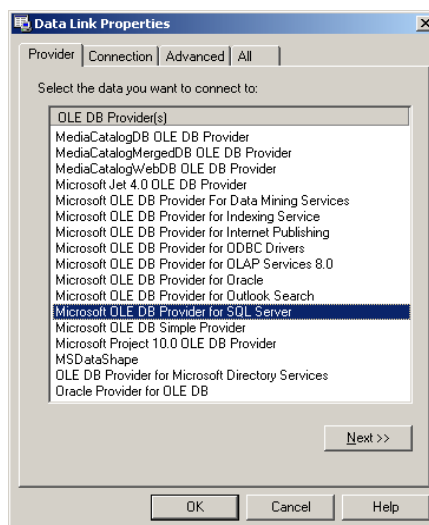
4 Click Next or select the Connection tab.

5 In item 1, enter or select the SQL Server database server name.

6 In item 2, perform the following:

- Select the "Use a specific user name and password" option.

- Enter "privuser" as the User name and Password.

- Select the "Allow saving password" option.

7 In item 3, choose the "Select the database on the server" option, then select the desired Project Management module database from the drop list.
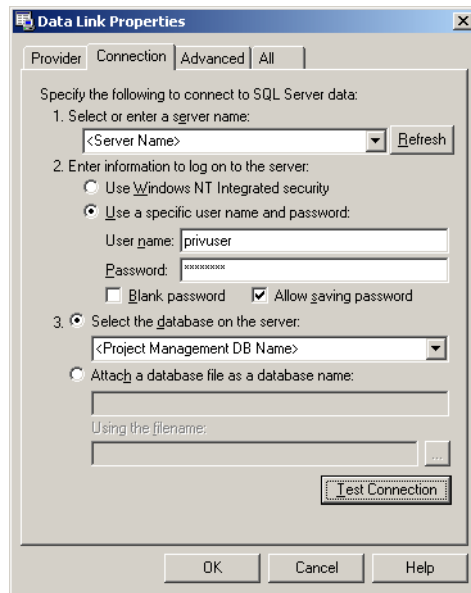
8 Click Test Connection.

A message will appear indicating if the connection was successful. Click OK to close the message. If the connection was not successful, confirm that you entered the correct server name, user name, and password.

9 Click OK to close the Data Link Properties dialog.

To Link a Project Management Module Oracle Database

Follow these instructions to link a Project Management module Oracle database to the Cost Manager client.

1 In the My Documents folder, double-click the appropriate UDL file to open the Data Link Properties dialog box.

2 Click on the Provider tab.

3 In the list of OLE DB Provider(s), select Oracle Provider for OLE DB.
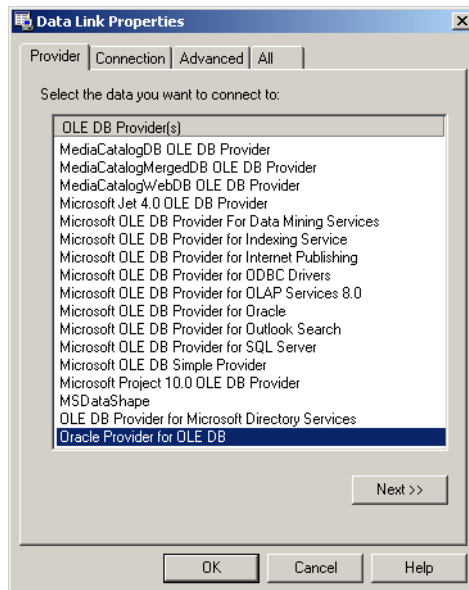
4 Click Next or select the Connection tab.

5 In item 1, enter the Oracle Service Name or SID.

6 In item 2, enter "privuser" as the User name and Password, and select the "Allow saving password" option.
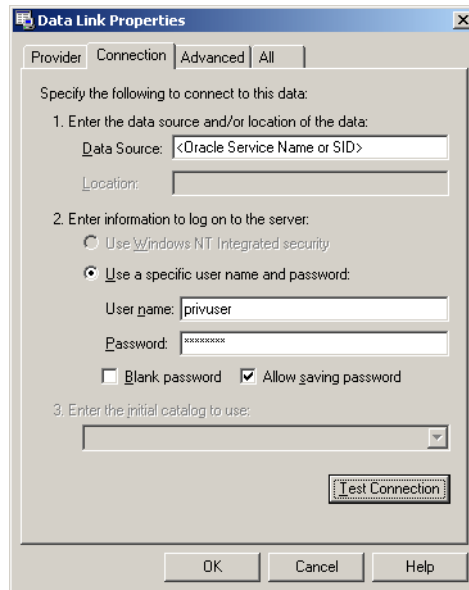
7 Click Test Connection.

A message will appear indicating if the connection was successful. Click OK to close the message. If the connection was not successful, confirm that you entered the correct Service Name or SID, user name, and password.

8 Click OK to close the Data Link Properties dialog.

Cost Manager supports version 10.2.0.2 or higher of the Oracle provided driver.

Installing and Configuring Cost Manager Web Access

In this chapter

Cost Manager Web Access is the Web-based reporting application for generating reports and charts of data to share and distribute via the Internet.

The following sections describe how to install Cost Manager Web Access and to configure the Web.config file after installation.

Cost Manager Web Access Installation Requirements

The Cost Manager installation process includes an option for installing the Cost Manager Web Access application.

Cost Manager Web Access allows you to generate Web-based charts and reports of project data to share and distribute over the Web. For more information about Cost Manager Web Access, see "Cost Manager Web Access" on page 386 of the Cost Manager Reference Manual.

In addition to the Cost Manager installation requirements described in "Adding Cost Manager Web Access to Your Installation" on page 45, Cost Manager Web Access is required to be installed on a server configured with Microsoft Internet Information Server (IIS) and a registered version of ASP.net.

> *Prior to installing Cost Manager Web Access, ensure that IIS is installed and that ASP.net is registered.*

If IIS is not installed prior to the installation of Cost Manager Web Access, repair IIS mappings after the installation. For information, refer to the Microsoft Knowledgebase article Q306005 which is located at the following URL:

http://support.microsoft.com/default.aspx?scid=kb;en-us;306005

For information about configuring the web.config file after installation to support Cost Manager Web Access, see "Adding Cost Manager Web Access to Your Installation" on page 45.

Adding Cost Manager Web Access to Your Installation

After installing Cost Manager, you can add Cost Manager Web Access to your installation through the modification process of the setup wizard.

1 Insert the Cost Manager installation CD into your CD-ROM drive. The setup wizard starts automatically.

> *If the installation wizard does not start, double-click* Setup.exe *directly from the installation CD.*

In the Welcome screen, click Next.
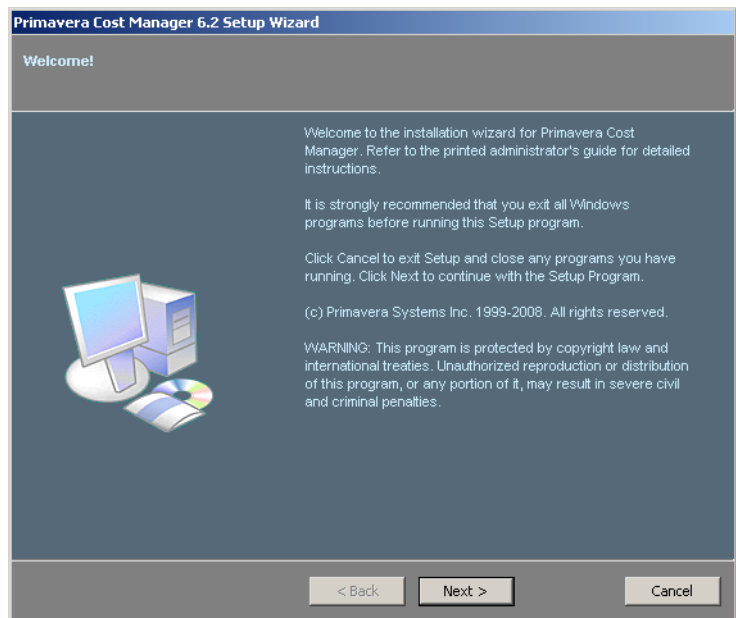
2 In the Modify Cost Manager Installation screen:
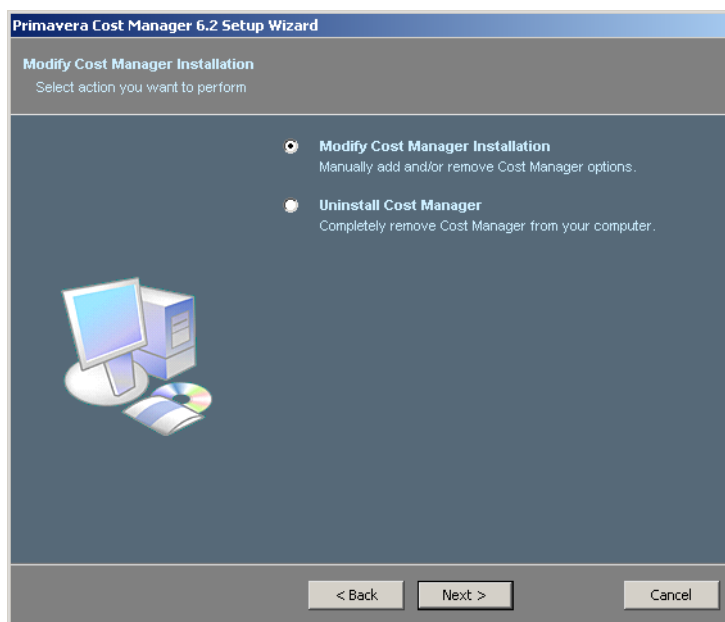
a) Select Modify Cost Manager Installation.
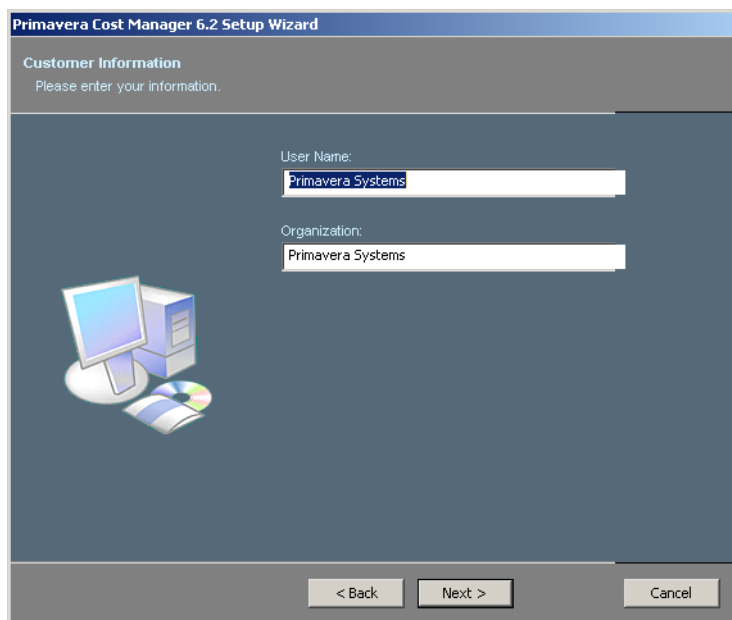
b) Click Next.

3 In the Select Features to Install screen:
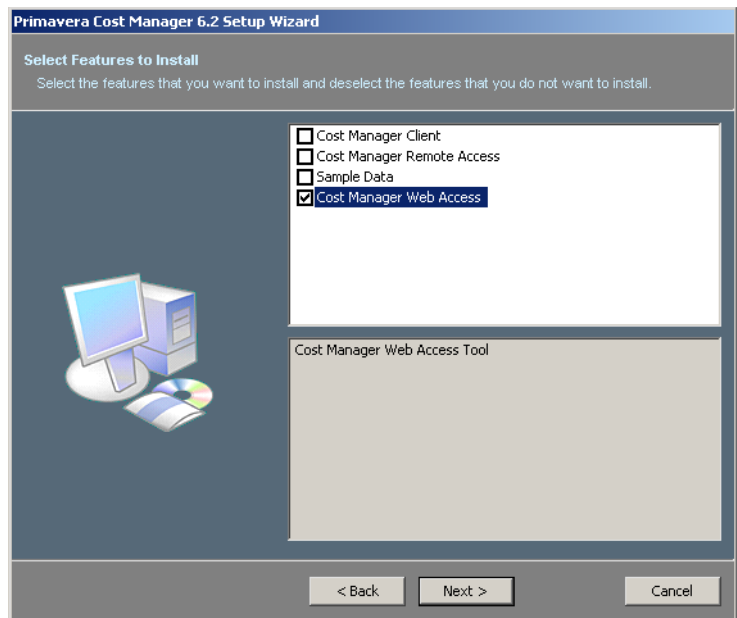
a) Select Cost Manager Web Access.

b) Click Next.

4 In the Customer Information screen:

a) Enter the user's name in the User Name field.

b) Enter your organization name in the Organization field.

c) Click Next.

5 To set up a SQL server connection for Cost Manager chart and report data in the Database Properties screen:

a) From the pull-down menu, select Use MS SQL Server.

b) In the Enter a server name field, select or enter the name of the server on the SQL database for Cost Manager is located.

c) In the Enter login information field, select one of the following options:

- Use Windows NT Integrated security, or

- Use a specific name and password — Enter the user name **sa** and the password **Prima123Vera**.

d) In the Enter the database name to create field, enter a name for the new database.

e) Click Test Connection to ensure that the Cost Manager can connect to the database successfully.

f) Click Next.

Or, to configure a connection to an Oracle server:

a) From the pull-down menu, select Use Oracle.

b) In the Enter a server name field, enter the name of the server on which the Oracle database for Cost Manager is located.

c) In the User field, enter the user name for the database server login.

d) In the Password field, enter the password for the database server login.

d) Click Test Connection to ensure that the Cost Manager can connect to the database successfully.

e) Click Next.

6 In the Destination IIS Server screen:

a) From the Site menu, select the Web site in which to display your Cost Manager Web Access charts and reports or select Default Web Site.

b) In the Virtual Directory field, enter the name of the directory into which to save the Cost Manager Web Access application, or use the default name, Cost Manager Web Access.

c) Click Next.

7 In the Ready to Modify screen, click Modify.
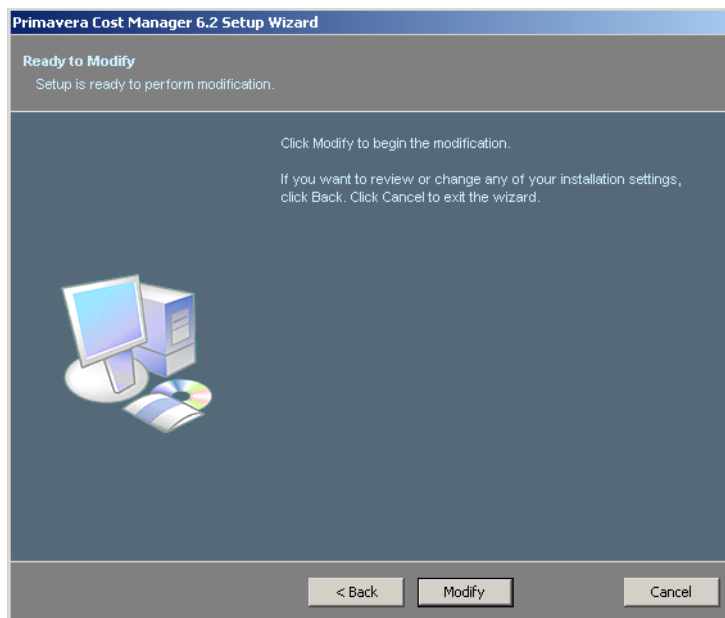
The Modify Process screen is displayed, indicating the progress of the installation.

8 In the Modification Completed screen, click Finish.
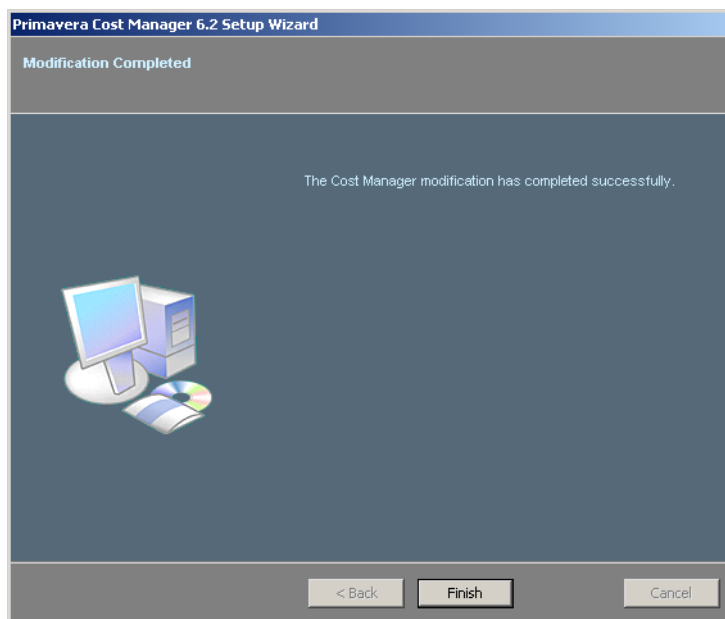
Modifying Your Cost Manager Installation

The following sections describe how to add components, such as the sample database or Cost Manager Web Access, to your Cost Manager installation by running the modification wizard. Procedures for removing Cost Manager and Cost Manager Web Access are also provided.

Modifying Cost Manager

To Modify Cost Manager You can add new components to your
Cost Manager installation

1 Insert the Cost Manager installation CD into your CD-ROM drive.
The setup wizard starts automatically.

If the installation wizard does not start, double-click
Setup.exe *directly from the installation CD.*

2 In the Welcome screen, click Next.
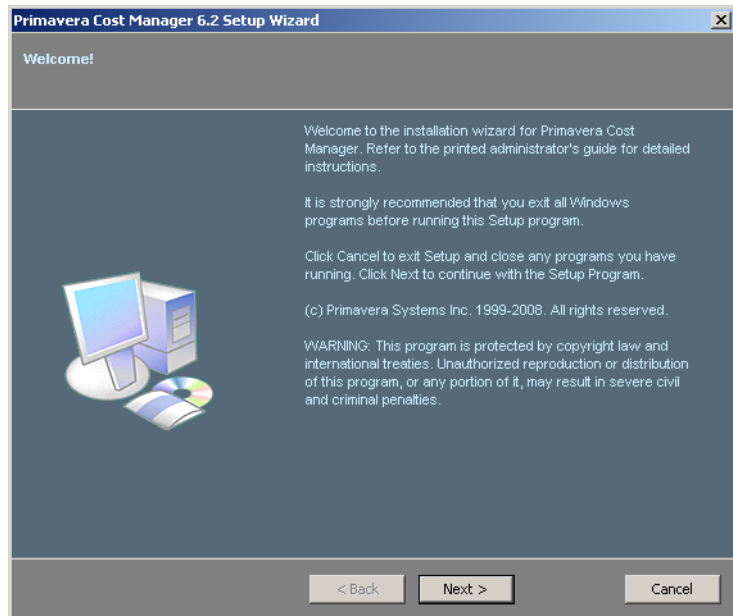
3   In the Modify Cost Manager screen:

   a) Select Modify Cost Manager Installation.
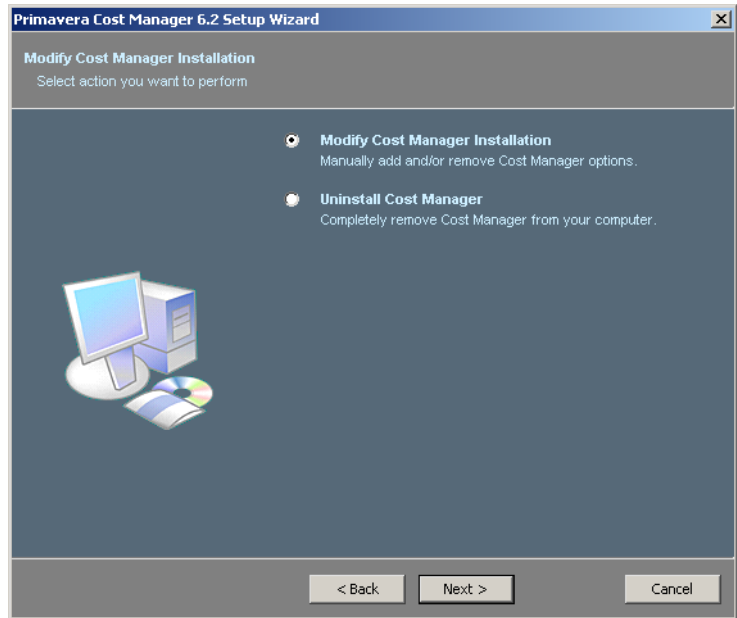
   b) Click Next.

4 In the Select Features to Install screen:
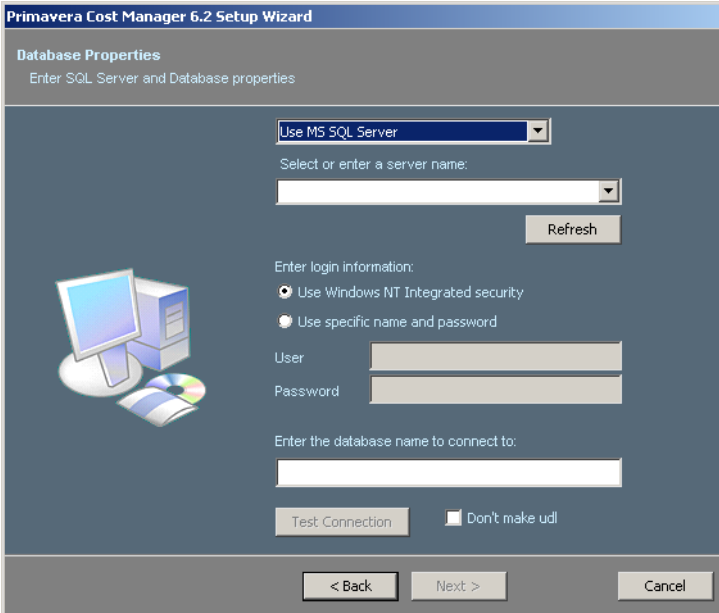
a) Select or deselect Cost Manager components to install or remove. A marked check box indicates that the component will be installed.

b) Click Next.
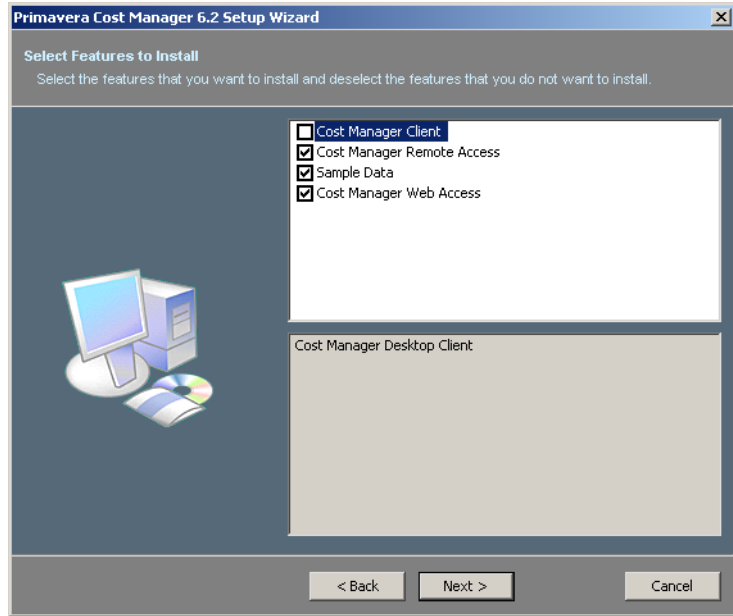
5 In the Database Properties screen, which is displayed if you previously selected the Sample Data option:

a) In the Select or enter a server name field, select the server on which to create the Cost Manager database.

b) In the Enter login information field, select one of the following options:

• Use Windows NT Integrated security

• Use specific name and password — Enter the user name and password for accessing the database.

c) In the Enter the database name to create field, enter a name for the new database.

d) Click Test Connection to ensure that the Cost Manager can connect to the database successfully.

e) Click Next.

6 In the Ready to Modify dialog box, click Modify.
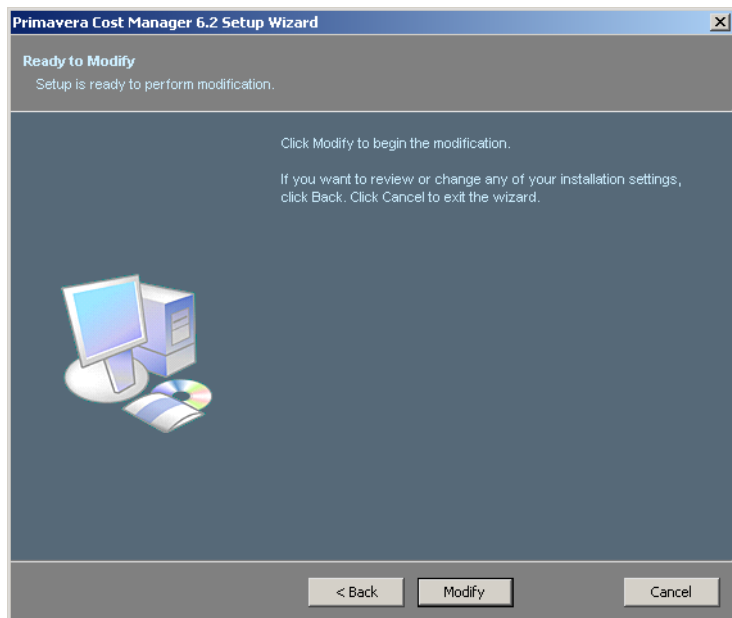
7 In the Installation Completed dialog box, click Finish.
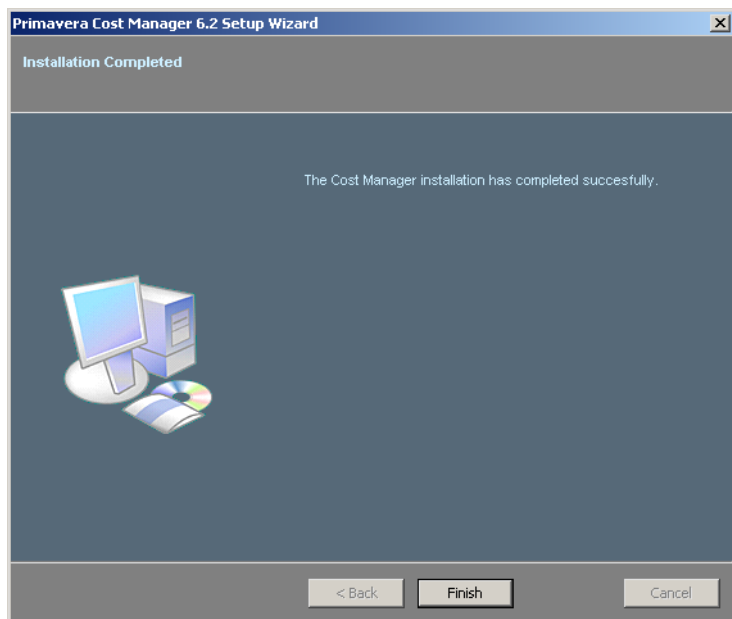
Uninstalling Cost Manager

If you ever need to remove Cost Manager from your system, for example, you take down a system for service, you can remove Cost Manager in either of the following ways:

■   Uninstalling Cost Manager through the setup wizard

■   Removing Cost Manager through the Microsoft Windows Control Panel using Add or Remove Programs

The results of either approach are the same.

To Unisntall Cost Manager

1   Insert the Cost Manager installation CD into your CD-ROM drive. The setup wizard starts automatically.

> *If the installation wizard does not start, double-click* Setup.exe *directly from the installation CD.*

2   In the Welcome screen, click Next.
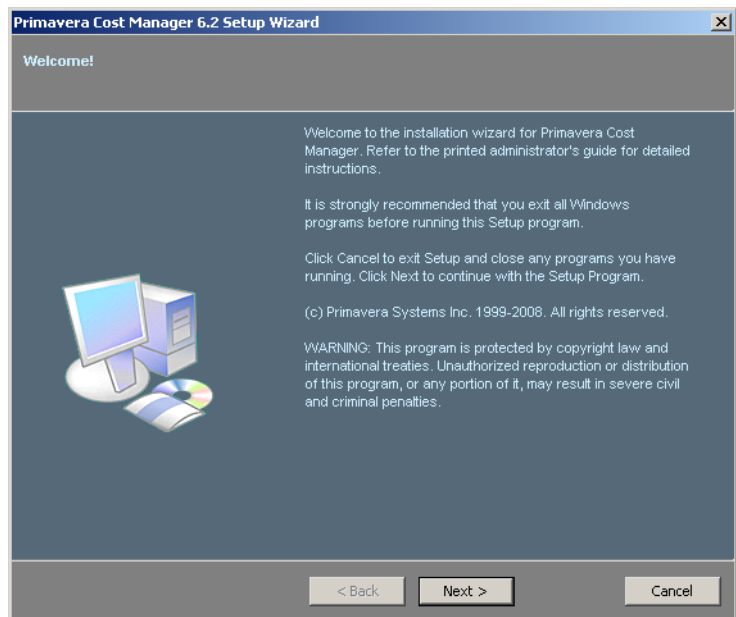
3 In the Modify Cost Manager Installation screen, select Uninstall
Cost Manager.
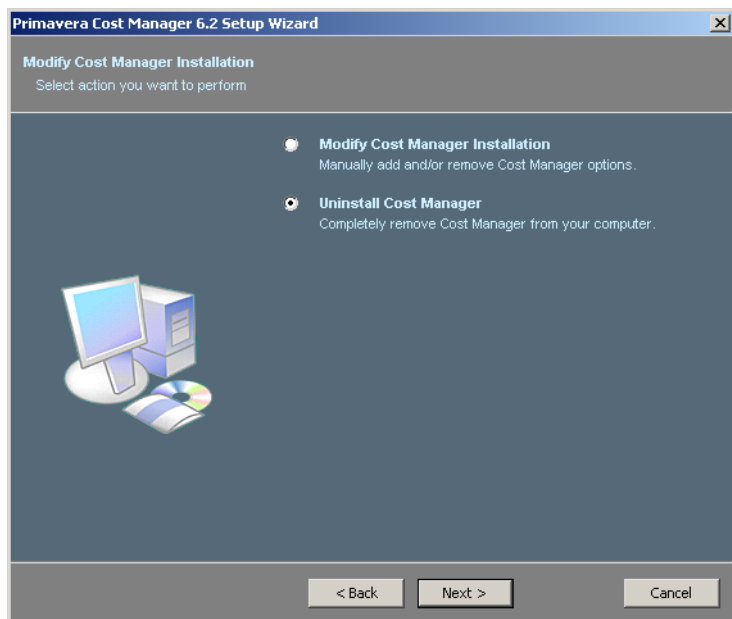
4 In the Ready to Uninstall screen, click Uninstall.
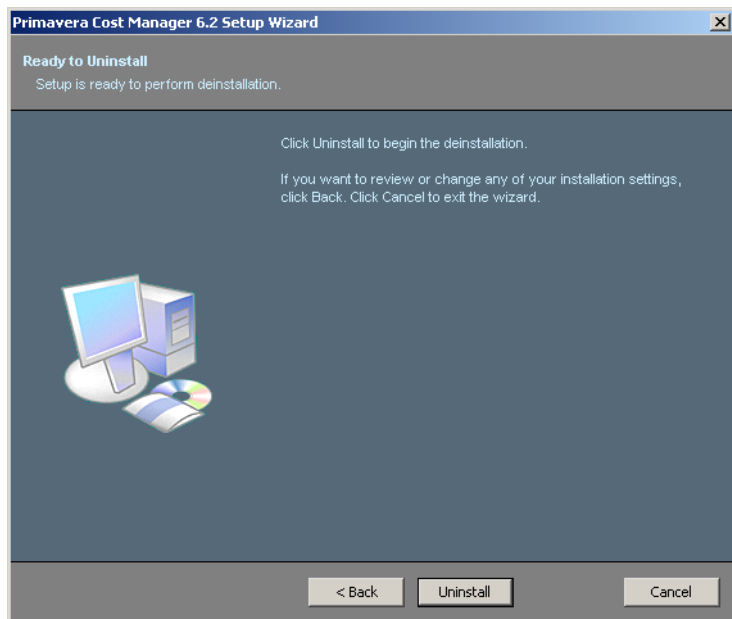
Removal of Cost Manager components progresses, with status indicated in the Installation Progress screen.

5 After the removal of Cost Manager is completed, click Next.

6 In the Installation Completed screen, click Finish.
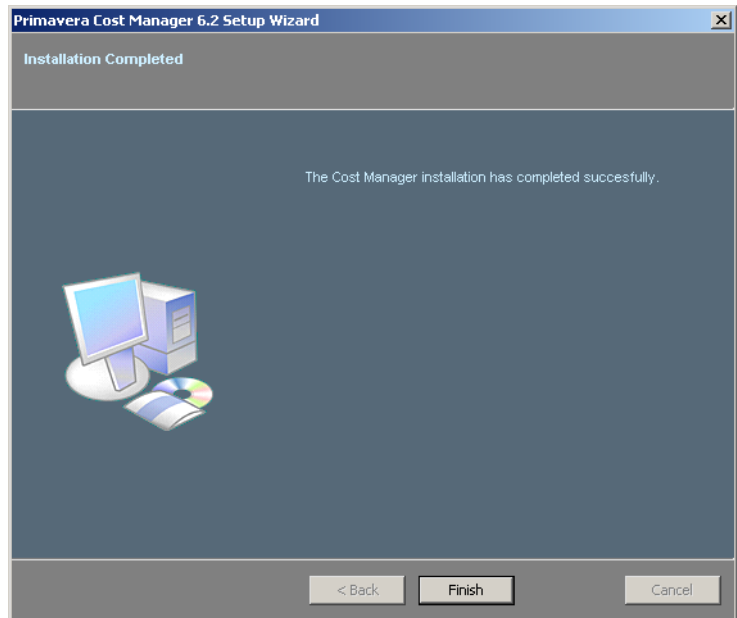
Removing Cost Manager Using the Control Panel

To Remove Cost Manager from Your System From Microsoft Windows:

1 Select Start > Settings > Control Panel.

2 In the Control Panel, double-click Add or Remove Programs.

3 In the Currently installed programs field, scroll to and select your current version of Cost Manager.

4 Click Remove.

5 When prompted to remove Cost Manager, click Yes.

The removal of Cost Manager begins as Windows gathers information, removes the software, and configures your environment to function properly following the removal.

6 When the uninstallation is finished, close the Add or Remove Programs window.

Removing Cost Manager Web Access

The following section explains how to remove Cost Manager Web Access within the Add or Remove Programs area of the Microsoft Windows Control Panel if you have to remove the software from your system.

To Remove Cost Manager Web Access from Your System

1 From Microsoft Windows, select Start > Control Panel:

2 Double-click Add or Remove Programs.

3 Scroll through the list of currently installed programs, and select Primavera Cost Manager Web Access.

4 Click Remove.

5 Click Yes when you are prompted whether you want to remove the program.

The Primavera Cost Manager Web Access status window is displayed to indicate the progress of the uninstallation. The window closes automatically when the uninstallation process has completed.

Primavera Cost Manager Web Access is no longer displayed in the currently installed programs list of the Add or Remove Programs window.

6 Remove remaining Cost Manager Web Access files:

a) Open the folder in which you installed Cost Manager Web Access. The default folder location is: *C:\Inetpub\wwwroot*

b) Delete the Cost Manager Web Access directory.

Configuring Remote Access

During a Custom installation of Cost Manager, you can configure remote access capabilities. Use the following procedure if you previously selected to install Cost Manager without configuring remote access, or if you want to change your remote access server or settings after installing Cost Manager.

Manually Configuring Cost Manager for Remote Use

Remote Operations is the execution of Cost Manager operations by an application server rather than by the local client (user's computer).

Remote Operation Technology

The Remote functionality is based upon Microsoft's Active Template Library (ATL) Server technology, which is the successor to Internet Server Application Programming Interface (ISAPI) Extensions appearing with Visual Studio.NET.

Remote Operation is enabled by proxies that execute on the application server. Cost Manager's actions are performed by MQ components (the name given to the collection of dlls that provides Cost Manager's functionality behind the Client) in response to Simple Object Access Protocol (SOAP) messages from the Client. When the Remote Operation is employed, an MQ component sends the SOAP request to a proxy at the application server instead of performing the operation on the local computer. The proxy receives the request and creates an instance of the MQ component that sent the message at the Application Server and presents it with the SOAP request. The remote MQ Component sends status messages to a dedicated Web Service on the Application Server. The Client is able to query this Status Cache Web Service to retrieve status messages. When the remote MQ Component completes its operation the proxy sends a SOAP Response to the Client.

When to Use Remote Operation   The remote operation speeds up time-consuming, resource-intensive calculations and interface operations. Remote operations create efficiencies across both terminal computers and server resources; therefore, client stations may be less costly.

Setting Up Remote Operation   The functions that may be performed remotely are interfacing and engine calculations (such as Apply Rates and Summarize Cost). The Preferences Browser contains two settings:

■   Interface Host

■   Engine Host

The options available for each setting are Local or Remote.

The Cost Manager Client specifies the URL of an application server, and allows selection of databases available at the server. Such databases need not be hosted on the same application server.

Requirements

Remote Operation requires the following .dll files, which are installed during a Custom installation in the setup wizard.For information, see "Installing Cost Manager" on page 15.

Name	Type	Comment
IMCmfConnection	dll	Provides the Client with details of the available databases
IMCmfDALServer	dll	Proxy for IMCmfDAL
IMCmfEngineServer	dll	Proxy for IMCmfEngine
IMCmfInterfaceServer	dll	Proxy for IMCmfInterface
IMCmfStatusCache	dll	Status Cache Web Service
IMCmfServer	dll	Invokes all other dlls

Remoting also requires an ATL Server ISAPI dll to route requests to the Remoting dlls and to provide additional services to them.

Name	Type	Comment
IMCmfServerISAPI	dll	The general ATL Server ISAPI extension

Installing Remote Operations on the Application Server All prerequisites and steps described in this section are required for remoting to work unless otherwise stated.

Prerequisites
IIS 4.0 or IIS 5.0 must be installed on the Application Server.

Configuring Remote Access By default, during installation, remote operations are installed to the root folder of the default Web site within IIS. A UDL to the Cost Manager database is also created in this directory. Use the following procedure, "Enabling the Client for Remote Operations" on page 64, after you have installed the Remote Access option during the Custom installation in the Cost Manager 6.2 setup wizard.

Enabling the Client for Remote Operations Once the application server is set up for Remote Operations, the client needs to be configured.

Step 1 On the client machine, open Internet Explorer. In the address bar, type http://<ServerName>/imcmfserver.dll.

Step 2 If the connection to the application server is working, a test page will appear with messages such as, "Remoting Response Received" and "Remoting should operate normally."

If the test page does not appear, confirm that the correct setup steps were taken under Installing Remote Operations on the Application Server.

Step 3 Drag the Internet Explorer icon from the address bar and drop it into the My Documents folder, where the UDL files were created. This stores the URL file with the application server address.

Step 4 Restart Cost Manager. The Remote Operations application server connection will appear in the Source Browser, along with the existing UDL database connections.

Appendix A: Table Definitions

Cost Manager architecture operates within the following database schemas:

■ Microsoft® SQL Server®

■ Oracle®

The following sections describe all table definitions used by the Cost Manager database schemas.

Unless specifically mentioned, all fields in the following tables accept a NULL value if another value is not assigned.

Apportion Table

Field Name	Description
ApportionID	Unique identifier of the instance in which an apportioned rate is set for a resource in the Rate Structure. Expressed as an incremental fixed integer with seed and increment values of 1. This field cannot contain a null value.
ApportionIDParent	Unique identifier of the Element Type in the Rate Structure that contains the apportioned resource. Expressed as an integer.
ApportionIDRoot	Unique identifier of the top of the rate structure in which is located the Element Type that contains the apportioned resource. Expressed as an integer.
OrganizationalID	Unique identifier that defines the location of the apportioned resource within the OBS. Expressed as an integer. Taken from the Organization Table. See "Performance Table" on page 133.
ResourceID	Unique identifier of a resource, expressed as an integer. The value of the ResourceID is taken from the Burden Table, as the value assigned to the BurdenID becomes the value of the ResourceID. See "Burden Table" on page 77.
RateTableID	Unique identifier of the rate table that contains the apportioned resource. Expressed as an integer. The value of this field is taken from the Rate Table. See "Rate Table" on page 152.
ApportionStart	Date in the format MM-DD-YYYY and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second, that indicates the start of the apportionment period for the resource.
ApportionFinish	Date in the format MM-DD-YYYY and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second, that indicates the end of the apportionment period for the resource.
ApportionType	Numeric indicator of the type of apportionment, expressed as a small (2-byte) integer.
ApportionFactor	Value of the apportioned rate factor as a floating-point integer.
OperationID	Unique identifier that is generated when the apportioned rate is set for a resource. Taken from the Operation Table. See "Operation Table" on page 128.

Axis Summary Table

In Cost Manager 6.2, the Axis Summary Table is not used.
It is included in this appendix for reference purposes.

Field Name	Description
AxisSummaryID	Unique identifier of the axis summary, expressed as an incremental fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
SourceID	Unique identifier of the data source for the chart, expressed as an integer.
AxisID	Unique identifier of the axis: X or Y, expressed as an integer.
AxisSummaryStatus	Status of the axis summary, expressed as an integer.
AxisSummaryType	Type of data presented in the axis summary, expressed as an integer.

Basis Table

Field Name	Description
BasisID	Unique identifier of the basis, expressed as an incremental fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ProjectID	Unique identifier of the project to which the basis is assigned, expressed as an integer that is set to a default value of 0 when no values are assigned. The value of this field is taken from the Project Table. See "Project Table" on page 138.
BasisName	Name assigned to the basis, expressed as a variable-length, non-Unicode character field with a maximum length of 255 characters length.
BasisDescription	Description of the basis, expressed as a variable-length, non-Unicode character field with a maximum length of 255 characters length.
RateTableID	Rate table identification number. The value of this field is taken from the Rate Table. See "Rate Table" on page 152. The value of this field defaults to 0 if no values are assigned.
BasisProtectUnburden	Small integer (2 bytes of storage) assigned to protects prime values of the basis from being handled as burdens. The value of this field defaults to 0 if no values are assigned.
BasisUser1 through BasisUser10	User-defined, variable-length, non-Unicode character field with a maximum length of 255 characters length, set in the Attribute Browser.
BasisBaseline	Small integer (2 bytes of storage) that identifies the basis as the Baseline. (1= Yes, 0= No).
BasisActual	Small integer (2 bytes of storage) that identifies the basis as the Actual. (1= Yes, 0= No).
BasisForecast	Small integer (2 bytes of storage) that identifies the basis as the Forecast. (1= Yes, 0= No).
BasisPending	Small integer (2 bytes of storage) that identifies the basis as the Pending. (1= Yes, 0= No).
BasisCommitment	Small integer (2 bytes of storage) that identifies the basis as the Commitment. (1= Yes, 0= No).
BasisMayApportion	Small integer (2 bytes of storage) that indicates whether apportionment is available under the basis. (1=Yes, 0=No).

Budget Table

Field Name	Description
DetailID	Unique identifier of each budget detail, expressed as an integer, and takes a default value of 0 if no values are assigned. The value of this field is taken from the Detail Table. See "Detail Table" on page 98.
RateTableID	Unique identifier of each Rate Table, taken from the Rate Table. See "Rate Table" on page 152.
ChargeCodeID	Unique identifier of each Charge Code, expressed as an integer. The value of this field is taken from the Charge Code Table. See "Charge Code Table" on page 87.
Year	Fiscal year, expressed as a small integer (2 bytes of storage). The value of this field defaults to 0 if no values are assigned.
Period	Fiscal period, expressed as a small integer (2 bytes of storage). The value of this field defaults to 0 if no values are assigned.
BudgetValue	Total budgeted value, for example, in hours, units, or dollars. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m0	Budget prime value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m1	Budget escalation value. Expressed as a floating-point integer, this field defaults to 0 if no values are assigned.
m2	Burden type 2 (Overhead). Expressed as a floating-point integer, this field defaults to 0 if no values are assigned.
m3	Burden type 3. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m4	Burden type 4. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m5	Burden type 5. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m6	Burden type 6. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m7	Burden type 7. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m8	Burden type 8. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.

Field Name	Description
m9	Burden type 9. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m10	Template level 1 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m11	Burden template level 1. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m12	Template level 2 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m121	Burden template level 2. Expressed as a fixed-point integer.
m122	Template level 2 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned
m13	Template level 3 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m131	Burden template level 3. Expressed as a fixed-point integer.
m132	Template level 3 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m14	Template level 4 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m141	Burden template level 4. Expressed as a fixed-point integer.
m142	Template level 4 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m15	Template level 5 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m151	Burden template level 5. Expressed as a fixed-point integer.
m152	Template level 5 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m16	Template level 6 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m161	Burden template level 6. Expressed as a fixed-point integer.
m162	Template level 6 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m17	Template level 7 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.

Field Name	Description
m171	Burden template level 7. Expressed as a fixed-point integer.
m172	Template level 7 calculated value. Expressed as a floating-point integer.
m18	Template level 8 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m181	Burden template level 8. Expressed as a fixed-point integer.
m182	Template level 8 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m19	Template level 9 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m191	Burden template level 9. Expressed as a fixed-point integer.
m192	Template level 9 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m20	Template level 10 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m201	Burden template level 10. Expressed as a fixed-point integer.
m202	Template level 10 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m21	Template level 11 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m211	Burden template level 11. Expressed as a fixed-point integer.
m212	Template level 11 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m22	Template level 12 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m221	Burden template level 12. Expressed as a fixed-point integer.
m222	Template level 12 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m23	Template level 13 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m231	Burden template level 13. Expressed as a fixed-point integer.
m232	Template level 13 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.

Field Name	Description
m24	Template level 14 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m241	Burden template level 14. Expressed as a fixed-point integer.
m242	Template level 14 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m25	Template level 15 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m251	Burden template level 15. Expressed as a fixed-point integer.
m252	Template level 15 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m26	Template level 16 calculated value (esc). Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
m261	Burden template level 16. Expressed as a fixed-point integer.
m262	Template level 16 calculated value. Expressed as a floating-point integer, the value of this field defaults to 0 if no values are assigned.
BudgetStatus	Budget status field. Expressed as a fixed-point integer, the value of this field defaults to 0 if no values are assigned.
OperationID	Operation identification number from the Operation Table. See "Operation Table" on page 128. Expressed as a fixed-point integer.
BudgetValueApportioned	Apportioned part of the budget. Expressed as a floating-point integer taken from [DF_BudgetApportioned] where BudgetApportioned is equal to any of the fields in the following rows. The value of this field defaults to 0 if no values are assigned. **Note:** BudgetValueApportioned and all of the following related fields are expressed as Null Constraints with a default of 0 if no values are assigned.
a0	Apportioned part of the budget expressed as [DF_Budget_a0], a floating-point integer that defaults to 0 if no values are assigned.
a1	Apportioned part of the budget expressed as [DF_Budget_a1], a floating-point integer that defaults to 0 if no values are assigned.
a2	Apportioned part of the budget expressed as [DF_Budget_a2], a floating-point integer that defaults to 0 if no values are assigned.
a3	Apportioned part of the budget expressed as [DF_Budget_a3], a floating-point integer that defaults to 0 if no values are assigned.
a4	Apportioned part of the budget expressed as [DF_Budget_a4], a floating-point integer that defaults to 0 if no values are assigned.

Field Name	Description
a5	Apportioned part of the budget expressed as [DF_Budget_a5], a floating-point integer that defaults to 0 if no values are assigned.
a6	Apportioned part of the budget expressed as [DF_Budget_a6], a floating-point integer that defaults to 0 if no values are assigned.
a7	Apportioned part of the budget expressed as [DF_Budget_a7], a floating-point integer that defaults to 0 if no values are assigned.
a8	Apportioned part of the budget expressed as [DF_Budget_a8], a floating-point integer that defaults to 0 if no values are assigned.
a9	Apportioned part of the budget expressed as [DF_Budget_a9], a floating-point integer that defaults to 0 if no values are assigned.
a10	Apportioned part of the budget expressed as [DF_Budget_a10], a floating-point integer that defaults to 0 if no values are assigned.
a11	Apportioned part of the budget expressed as [DF_Budget_a11], a floating-point integer that defaults to 0 if no values are assigned.
a12	Apportioned part of the budget expressed as [DF_Budget_a12], a floating-point integer that defaults to 0 if no values are assigned.
a122	Apportioned part of the budget expressed as [DF_Budget_a122], a floating-point integer that defaults to 0 if no values are assigned.
a13	Apportioned part of the budget expressed as [DF_Budget_a13], a floating-point integer that defaults to 0 if no values are assigned.
a132	Apportioned part of the budget expressed as [DF_Budget_a132], a floating-point integer that defaults to 0 if no values are assigned.
a14	Apportioned part of the budget expressed as [DF_Budget_a14], a floating-point integer that defaults to 0 if no values are assigned.
a142	Apportioned part of the budget expressed as [DF_Budget_a142], a floating-point integer that defaults to 0 if no values are assigned.
a15	Apportioned part of the budget expressed as [DF_Budget_a15], a floating-point integer that defaults to 0 if no values are assigned.
a152	Apportioned part of the budget expressed as [DF_Budget_a152], a floating-point integer that defaults to 0 if no values are assigned.
a16	Apportioned part of the budget expressed as [DF_Budget_a16], a floating-point integer that defaults to 0 if no values are assigned.
a162	Apportioned part of the budget expressed as [DF_Budget_a162], a floating-point integer that defaults to 0 if no values are assigned.

Field Name	Description
a17	Apportioned part of the budget expressed as [DF_Budget_a17], a floating-point integer that defaults to 0 if no values are assigned.
a172	Apportioned part of the budget expressed as [DF_Budget_a172], a floating-point integer that defaults to 0 if no values are assigned.
a18	Apportioned part of the budget expressed as [DF_Budget_a18], a floating-point integer that defaults to 0 if no values are assigned.
a182	Apportioned part of the budget expressed as [DF_Budget_a182], a floating-point integer that defaults to 0 if no values are assigned.
a19	Apportioned part of the budget expressed as [DF_Budget_a19], a floating-point integer that defaults to 0 if no values are assigned.
a192	Apportioned part of the budget expressed as [DF_Budget_a192], a floating-point integer that defaults to 0 if no values are assigned.
a20	Apportioned part of the budget expressed as [DF_Budget_a20], a floating-point integer that defaults to 0 if no values are assigned.
a202	Apportioned part of the budget expressed as [DF_Budget_a202], a floating-point integer that defaults to 0 if no values are assigned.
a21	Apportioned part of the budget expressed as [DF_Budget_a21], a floating-point integer that defaults to 0 if no values are assigned.
a212	Apportioned part of the budget expressed as [DF_Budget_a212], a floating-point integer that defaults to 0 if no values are assigned.
a22	Apportioned part of the budget expressed as [DF_Budget_a22], a floating-point integer that defaults to 0 if no values are assigned.
a222	Apportioned part of the budget expressed as [DF_Budget_a222], a floating-point integer that defaults to 0 if no values are assigned.
a23	Apportioned part of the budget expressed as [DF_Budget_a23], a floating-point integer that defaults to 0 if no values are assigned.
a232	Apportioned part of the budget expressed as [DF_Budget_a232], a floating-point integer that defaults to 0 if no values are assigned.
a24	Apportioned part of the budget expressed as [DF_Budget_a24], a floating-point integer that defaults to 0 if no values are assigned.
a242	Apportioned part of the budget expressed as [DF_Budget_a242], a floating-point integer that defaults to 0 if no values are assigned.
a25	Apportioned part of the budget expressed as [DF_Budget_a25], a floating-point integer that defaults to 0 if no values are assigned.

Field Name	Description
a252	Apportioned part of the budget expressed as [DF_Budget_a252], a floating-point integer that defaults to 0 if no values are assigned.
a26	Apportioned part of the budget expressed as [DF_Budget_a26], a floating-point integer that defaults to 0 if no values are assigned.
a262	Apportioned part of the budget expressed as [DF_Budget_a262], a floating-point integer that defaults to 0 if no values are assigned.

Budget Change Table

*In Cost Manager 6.2, the Budget Change Table is not used.
It is included in this appendix for reference purposes.*

Field Name	Description
BudgetChangeID	Unique identifier for each change to the budget, expressed as an incremental fixed integer with seed and increment values of 1. This field cannot contain a null value.
BasisID	Unique identifier of the basis, taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of each task, taken from the Task Table. See "Task Table" on page 156.
OperationID	Unique identifier of each change, also referred to as an operation, has an effect on the Budget Change Table. The value for this field is taken from the Organization Table. See "Operation Table" on page 128.
BudgetChangeType	Type of change made to the budget, expressed as a small (2-byte) integer.
BudgetChangeValue	Value of a change made to the budget, expressed as a floating-point integer.
BudgetChangeName	Name of a change made to the budget, expressed as a variable-length character string with a maximum length of 255 characters.
BudgetChangeDescription	Description of a change made to the budget, expressed as a variable-length character string with a maximum length of 255 characters.
BudgetChangeActive	Expresses a change to the budget as active. This field takes the value of a small (2-byte) integer.

Burden Table

The Burden and Burden Type objects (see "Burden Type Table" on page 82) manage data for burdens in Cost Manger. Code assignments for each of these objects is located in their respective tables. The "Burden Role Table" on page 80 describes code assignments for Burdens, and the "Burden Type Role Table" on page 83 describes code assignments for Burden Type objects.

Field Name	Description
BurdenID	Unique identification number of a burden created in the Rate Structure, also referred to as the Burden Resource ID. This field takes the form of an incremental fixed integer with identity seed and increment values of 1. It cannot contain a null value.
BurdenTypeID	Burden type identification number, expressed as a fixed integer. This value is taken from the Burden Type Role Table. See Burden Type Role Table
BurdenElementTypeID	Burden Element Type identification number, expressed as a fixed-point integer that defaults to four potential values, between 1-4, to set one of the four burden types for each burden: 0=no assigned type, 1=fee, 2=a Cost of Money (COM) burden, 3=General & Administrative (G&A) cost, or 4=NULL.This value is taken from the Element Type Table (Burden Element Type ID = Element Type). See "Event Table" on page 106.
BurdenName	Name of the burden object created in the Rate Structure, expressed as a variable-length character string with a maximum length of 255 characters.
BurdenDescription	Description of burden of the burden object created in the Rate Structure, expressed as a variable-length character string with a maximum length of 255 characters.
BurdenPin	Burden type identifier for re-pricing, expressed as a single character that defaults to the letter J if no values are assigned. *Note: This field is not used in Cost Manager 6.2.*
BurdenUser1 through BurdenUser10	User defined field, expressed as a variable-length character string with a maximum length of 255 characters. Values of these fields are set in the Attribute Browser.
BurdenBase	Burden base number, expressed as a variable-length character string with a maximum length of 255 characters.
BurdenApportioned	Apportioned burden value, expressed as a small integer (2 bytes of storage).

Burden Escalation Table

Field Name	Description
RateTableID	Unique identifier of a rate table in the Rate Structure, expressed as an integer that defaults to 0 if no values are assigned. This value is taken from the Rate Table. See "Rate Table" on page 152.
BurdenID	Unique identifier of a burden created in the Rate Structure, expressed as an integer that defaults to 0 if no values are assigned. This value is taken from the Burden Table. See "Burden Table" on page 77.
Year	Small integer (2 bytes of storage) that sets the year in which an escalation factor is applied to a resource or burden. This value defaults to 0 if no values are assigned.
Period	Small integer (2 bytes of storage) that sets the fiscal period in which an escalation factor is applied to a resource or burden. This value defaults to 0 if no values are assigned.
Value	Value of an escalation factor applied to a resource or burden, expressed as a floating integer that defaults to 0 if no values are assigned.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.

Burden Rate Table

Field Name	Description
RateTableID	Unique identifier of a rate table in the Rate Structure, expressed as an integer that defaults to 0 if no values are assigned. This value is taken from the Rate Table. See "Rate Table" on page 152.
BurdenID	Unique identifier of a burden created in the Rate Structure, expressed as an integer that defaults to 0 if no values are assigned. This value is taken from the Burden Table. See "Burden Table" on page 77.
BurdenRate	The rate associated with the burden, expressed as a floating integer that defaults to 1 if no values are assigned.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.

Burden Role Table

Field Name	Description
BurdenRoleID	Unique identifier of the burden role, expressed as an incremental fixed integer with identity seed and increment values of 1. This field cannot contain a null value.
BurdenID	Unique identifier of the burden. This value is defined as a fixed-point integer, and is taken from the Burden Table. See "Burden Table" on page 77.
RoleID	Unique identifier of the burden's role. The value is defined as a fixed-point integer that is taken from the Role Table. See "Role Table" on page 153.
BurdenRoleIsPrimary	Sets the role of the burden to primary. This value is defined as a small integer (2 bytes of storage).
BurdenRoleStatus	This property, defined as a small integer (2 bytes of storage), sets the status of the burden role.
OperationID	Unique identifier of the operation that affects the burden. See "Operation Table" on page 128.

Burden Template Table

Field Name	Description
RateTableID	Unique identifier of a rate table in the Rate Structure, expressed as an integer that defaults to 0 if no values are assigned. This value is taken from the Rate Table. See "Rate Table" on page 152.
BurdenID	Unique identifier of a burden created in the Rate Structure, expressed as an integer that defaults to 0 if no values are assigned. This value is taken from the Burden Table. See "Burden Table" on page 77.
TemplateLevel	Level assigned to a burden template, expressed as an integer. This value defaults to 0 if no values are assigned.
TemplateBurdenID	Unique identifier of the burden template, expressed as an integer.
TemplateApplicationSimple	Single bit indicator of how the burden template is applied. This value defaults to 0 if no values are assigned.
TemplateLevelApplied	Integer that represents the level within the Rate Structure to which the burden template is applied. This value defaults to 0 if no values are assigned.

Burden Type Table

The Burden and Burden Type objects (see *"Burden Type Table"* on page 82) manage data for burdens in Cost Manger. Code assignments for each of these objects is located in their respective tables. The *"Burden Role Table"* on page 80 describes code assignments for Burdens, and the *"Burden Type Role Table"* on page 83 describes code assignments for Burden Type objects.

Field Name	Description
BurdenTypeID	Unique identifier of the burden type, expressed as an integer with seed and increment values of 1. This field cannot contain a null value.
BurdenTypeName	Name of the burden type, expressed as a variable character string with a maximum length of 255 characters.
BurdenTypeDescription	Description of the burden type, expressed as a variable character string with a maximum length of 255 characters.
BurdenTypeGroup	Group to which the burden type is assigned, expressed as a small (2-byte) integer. The field defaults to 0 if no values are assigned.
BurdenTypeCOM	Sets the burden type to COM. Defined as a small (2-byte) integer. The field defaults to 0 if no values are assigned.
BurdenTypeGA	Sets the burden type to G&A. Defined as a small (2-byte) integer. The field defaults to 0 if no values are assigned.
BurdenTypeFee	Sets the burden type to Fee. Defined as a small (2-byte) integer. The field defaults to 0 if no values are assigned.

Burden Type Role Table

Field Name	Description
BurdenTypeRoleID	Burden type role identification number. Takes the form of a unique identifier with seed and increment values of 1. This field cannot contain a NULL value.
BurdenTypeID	Burden type identification number, expressed as an integer, and taken from the Burden Type Table. See "Burden Type Table" on page 82.
RoleID	Role identification number, expressed as an integer, and taken from the Role Table. See "Role Table" on page 153.
BurdenTypeRolePrimary	Sets a burden type as Primary. Defined as a small integer (2 bytes of storage).
BurdenTypeRoleStatus	Status of the burden type role, for example, whether a COM, G&A, or Fee burden is set to Make Currency or Make Factor. Defined as a small (2-byte) integer.
OperationID	Operation identification number from the Operation Table.

Calendar Table

Field Name	Description
CalendarID	Calendar identification number. Takes the form of a unique identifier with seed and increment values of 1. This field cannot contain a NULL value.
OrganizationID	Organization identification number from the Organization Table. See "Performance Table" on page 133. This field defaults to 0 if no values are assigned.
CalendarName	Name of the calendar, expressed as a variable-length, non-Unicode character string of up to 255 characters in length.
CalendarDescription	Description of the calendar, expressed as a variable-length, non-Unicode character string of up to 255 characters in length.
CalendarInherit	Identifies that properties of a calendar are inherited from a parent calendar. This field uses a 1-bit setting that is set to a default value of 1 if no values are assigned.
Month	Numeric indicator of a month, from 1 to 12, defined as a small (2-byte) integer with a default value of 1 if no values are assigned.
Day	Number of the day of the month, from 1 to 31, expressed as a small (2-byte) integer with a default value of 1 if no values are assigned. This field takes the value of the DayID from the Day Table. See "Day Table" on page 97.

Change Table

> *In Cost Manager 6.2, the Change Table is not used.*
> *It is included in this appendix for reference purposes.*

Field Name	Description
ChangeID	Unique identifier of a change made in Cost Manager, expressed as an incremental fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ChangeRecordID	Unique identifier of the change record, a logged recording of a change made in Cost Manager, expressed as an integer.
ChangeRecordBusinessObject	Name of the object that is changed within one of the Cost Manager views, expressed as a variable-length, non-Unicode character string with a maximum length of 50 characters.
ChangeRecordField1 through ChangeRecordField16	Record of the change made to an object in Cost Manager, expressed as a variable-length, non-Unicode character string with a maximum length of 50 characters.
ChangeRecordYear	Fiscal year in which the change to a specific object occurred in Cost Manager, expressed as a small (2-byte) integer.
ChangeRecordPeriod	Period during the fiscal year in which the change to a specific object occurred in Cost Manager, expressed as a small (2-byte) integer.
ChangeDateStamp	Time and date when a change was made to an object in Cost Manager, expressed in the format MM/DD/YY HH:MM:SS.xxx where xxx represents the nearest one thousandth of a second.
ChangeUser	User who makes a change in Cost Manager, expressed as a variable-length, non-Unicode character string with a maximum length of 50 characters.
ChangeName	Name of a change made in Cost Manager, expressed as a variable-length, non-Unicode character string with a maximum length of 50 characters.
ChangeRevision	Revision of a change made in Cost Manager, expressed as a variable-length, non-Unicode character string with a maximum length of 50 characters.
ChangeDescription	Description of a change made in Cost Manager, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ChangeStatus	Status of a change made in Cost Manager, expressed as a variable-length, non-Unicode character string with a maximum length of 50 characters.

Field Name	Description
ChangeDate	Time and date when a change was made in Cost Manager, expressed in the format MM/DD/YY HH:MM:SS.xxx where xxx represents the nearest one thousandth of a second.
ChangeNote1	Note describing a change made in Cost Manager, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ChangeNote2	Secondary note describing a change made in Cost Manager, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ChangeReference	Reference string leading to details of the change made in Cost Manager, expressed as a variable-length, non-Unicode character string with a maximum length of 50 characters.
ChangeType	Type of change made in Cost Manager, expressed as a variable-length, non-Unicode character string with maximum length of 50 characters.
ChangeCategory	Category of change made in Cost Manager, expressed as a variable-length, non-Unicode character string with a maximum length of 50 characters.

Charge Code Table

Field Name	Description
ChargeCodeID	Unique identifier of a charge code, expressed as an incremental fixed integer with seed and incremental values of 1. This field cannot contain a NULL value.
TaskID	Identification number of a task, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
ChargeCodeName	Name of a charge code, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ChargeCodeDescription	Description of a charge code, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ChargeCodeStatus	Charge code status expressed as a small integer (with 2 bytes of storage).
OperationID	Operation identification number, expressed as an integer, and taken from the Operation Table. See "Operation Table" on page 128.

Client Session Table

> The Client Session Table is for internal use only.
> **Do not modify entries in this table.**

Field Name	Description
ClientSessionID	Unique identifier of an active client session, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ClientSessionKey	Key identifier of the active session, expressed as a variable-length, non-Unicode character string with a maximum length of 255.
ClientSessionTimestamp	Date and time that a Cost Manager session was started, expressed in the format MM/DD/YY HH:MM:SS.xxx where xxx represents the nearest one thousandth of a second.
ClientSessionUser	User identifier for the active Cost Manager session, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ClientSessionComputer	Identifier of the computer from which a Cost Manager session was started, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
PrincipalID	Unique identifier of the server that contains user rights information. Currently, this field is not used. See "Principal Table" on page 135

Code Table

Field Name	Description
CodeID	Unique identifier of a code (created in the Code tab of the Attribute Browser). Takes the form of a unique identifier with seed and increment values of 1. This field cannot contain a NULL value.
CodeIDParent	Unique identifier of a parent code, from which child code structures inherit their properties in the Code tab of the Attribute Browser. This field is expressed as an integer.
ProjectID	Unique identifier of a project, expressed as an integer. This value is taken from the Project Table. See "Project Table" on page 138.
CodeType	Type of code defined as a small integer with 2 bytes of storage. (1= Parent, 2= Child).
CodeName	Name of a code created in the Codes tab. This value is expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
CodeDescription	Description of a code created in the Codes tab. This value is expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
CodeStatus	Status of a code, expressed as a small integer (2 bytes of storage).
OperationID	OperationID that affects a code, expressed as an integer. This value is taken from the Operation Table. See "Operation Table" on page 128.

Compressed Summary Table

Field Name	Description
CompressedSummaryID	Compressed summary identification number. Takes the form of a unique identifier with seed and increment values of 1. This field cannot contain a NULL value.
ProjectID	Unique identifier of a project in the Project Structure, expressed as an integer. This value is taken from the Project Table. See "Project Table" on page 138.
BasisID	Unique identifier of a project basis in the Project Structure, expressed as an integer. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
OrganizationID	Unique identifier of an organization in the OBS or Rate Structure, expressed as an integer. This value is taken from the Organization Table. See "Performance Table" on page 133.
ResourceID	Unique identifier of a resource in the OBS or Rate Structure, expressed as an integer. The value of the ResourceID is taken from the Burden Table, as the value assigned to the BurdenID becomes the value of the ResourceID. See "Burden Table" on page 77.
Year	Fiscal year expressed as a small integer (2 bytes of storage).
Period	Fiscal period expressed as a small integer (2 bytes of storage).
CompressedSummaryOffset	Zero-based index for consumer report start period expressed as a small integer (2 bytes of storage).
CompressedSummaryValue	Value of either hours or dollars, expressed as a floating-point integer.
CompressedSummaryHours	Compressed summary hours, expressed as a floating-point integer.
m0	Budget prime value, expressed as a floating-point integer.
m1	Budget escalation value, expressed as a floating-point integer.
m2	Burden Type 2. (Overhead), expressed as a floating-point integer.
m3	Burden Type 3, expressed as a floating-point integer.
m4	Burden Type 4, expressed as a floating-point integer.
m5	Burden Type 5, expressed as a floating-point integer.
m6	Burden Type 6, expressed as a floating-point integer.

Field Name	Description
m7	Burden Type 7, expressed as a floating-point integer.
m8	Burden Type 8, expressed as a floating-point integer.
m9	Burden Type 9, expressed as a floating-point integer.
CompressedSummaryStatus	Compressed summary of status, expressed as a small integer.
CompressedSummaryISPerformed	Compressed summary of performance, expressed as a small integer.
CompressedSummaryComputed	Compressed summary of computed, expressed as a floating-point integer.
MilestoneID	Milestone identification number from the Milestone Table.
ChargeCodeID	Unique identifier of the charge code provided in the compressed summary, expressed as an integer. This value is taken from the Charge Code table. See "Charge Code Table" on page 87.

Contract Table

Field Name	Description
ContractID	Unique identifier of a contract, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ContractName	Name of the contract, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractDescription	Description of the contract, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractAdminOffice	Administrative office where the contract was prepared, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractAdminOfficeAddress	Address of the administrative office, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractAdminOfficeCity	City in which the administrative office is located, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractAdminOfficeState	State in which the administrative office is located, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractAdminOfficeZip	Zip code of the administrative office, expressed as a variable-length, non-Unicode character string with a maximum length of 12 characters.
ContractAuditOffice	Audit office, which reviews the contract, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractAuditOfficeAddress	Address of the audit office, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractAuditOfficeCity	City in which the audit office is located, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractAuditOfficeState	State in which the audit office is located, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractAuditOfficeZip	Zip code of the audit office, expressed as a variable-length, non-Unicode character string with a maximum length of 12 characters.
ContractSolicitationNumber	Solicitation number assigned to the contract, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.

Field Name	Description
ContractNumber	Contract number, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractTypeTerms	Terms applicable to the type of contract, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractContractorType	Type of contractor, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractStart	Start date of the contract, expressed in the date format MM-DD-YYYY and the time format, HH:MM:SS.xxx, where xxx represents thousandths of a second.
ContractFinish	End date of the contract, expressed in the date format MM-DD-YYYY and the time format, HH:MM:SS.xxx, where xxx represents thousandths of a second.
ContractComplete	Completion date of the contract, expressed in the date format MM-DD-YYYY and the time format, HH:MM:SS.xxx, where xxx represents thousandths of a second.
ContractAwardDate	Award date of the contract, expressed in the date format MM-DD-YYYY and the time format, HH:MM:SS.xxx, where xxx represents thousandths of a second.
ContractDefinitizationDate	Date the contract was approved and signed by all key stakeholders, expressed in the date format MM-DD-YYYY and the time format, HH:MM:SS.xxx, where xxx represents thousandths of a second.
ContractLastItemDelivery	Date of delivery of final approvals to the contract, expressed in the date format MM-DD-YYYY and the time format, HH:MM:SS.xxx, where xxx represents thousandths of a second.
ContractRFPNumber	Request for proposal number, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractType	Type of contract, expressed as a floating integer. The value of this field defaults to 0 if no values are assigned.
ContractPriceCeiling	Price ceiling of the contract, expressed as a floating integer with a default value of 0 if no values are assigned.
ContractPriceEstimated	Estimated price of the contract, expressed as a floating integer. The value of this field defaults to 0 if no values are assigned.
ContractSharedOverrunRatio	Shared overrun ratio, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ContractCostOriginal	Original contract cost, expressed as a floating integer with a default value of 0 if no values are assigned.

Field Name	Description
ContractNegotiatedChanges	Number of negotiated changes, expressed as a floating integer with a default value of 0 if no values are assigned.
ContractTargetPriceCurrent	Current target price, expressed as a floating integer with a default value of 0 if no values are assigned.
ContractTargetPriceEst	Estimated target price, expressed as a floating integer with a default value of 0 if no values are assigned.
ContractCostEstAuthUnprc	Estimated and authorized costs related to the contract, expressed as a floating integer that defaults to 0 if no values are assigned. *Note: This field is not used in Cost Manager 6.2.*
ContractBudgetBase	Budgeted base price of the contract, expressed as a floating integer with a default value of 0 if no values are assigned.
ContractUser1 through ContractUser10	Users of the contract, generally key stakeholders including the legal team, the project manager, the contract manager, and reviewers. Each user name is expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.

Data View Table

Field Name	Description
ViewID	Unique identifier of a data view set in the Rate Structure, expressed as an integer with seed and increment values of 1. This field cannot contain a NULL value.
ProjectID	Unique identifier of a project created in the Project Structure, expressed as an integer. The value of this field is taken from the Project Table. See "Project Table" on page 138.
ViewName	Name of a data view, expressed as a variable-length, non-Unicode character string with a maximum length of 50 characters.
ViewDescription	Description of a data view, expressed as a variable-length, non-Unicode character string with a maximum length of 50 characters.
ViewSheet	The sheet layout of a data view, expressed as an integer, with a default value of 1 if no values are assigned.

Data View Item Table

Field Name	Description
ViewItemID	Unique identifier of a data view in the Rate Structure, expressed as an integer with seed and increment values of 1. This field cannot take a null value.
ViewID	Unique identifier of a data view, expressed as an integer. This value is taken from the Data View table. See "Data View Table" on page 95.
ViewItemName	Name of a data view, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ViewItemDescription	Description of a data view, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ViewItemColumn	Identifies the column number of a viewed item. This field is expressed as a small integer (2 bytes of storage).
ViewItemColumnWidth	Identifies the width of the column of a viewed item. This field is expressed as a small integer (2 bytes of storage) with a default value of 0 if no values are assigned.
ViewItemColumnAlignment	Identifies the column alignment displayed for a viewed item. This field is expressed as an integer with a default of 0 if no values are assigned.
ViewItemColumnType	Identifies the type of data to be displayed. This field is expressed as a small integer.
ViewItemColumnFormat	Identifies the format of data to be displayed. This field is expressed as a small integer (2 bytes of storage) with a default value of 0 if no values are assigned.
ViewItemAttribute	Identifies the column heading for non-periodic data. This field is expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
Year	Fiscal year expressed as a small integer (2 bytes of storage).
Period	Fiscal period expressed as a small integer (2 bytes of storage).

Day Table

Field Name	Description
DayID	Unique identifier of a day, expressed as an integer with seed and increment values of 1. This field cannot contain a NULL value.
CalendarID	Unique identifier of the calendar in which the day is present. This value is taken from the Calendar Table, and is expressed an integer with a default value of 0 if no values are assigned. See "Calendar Table" on page 84.
DayNumber	Number between 1 and 7 assigned to day of the week. (1 = Sunday, 2 = Monday, 3 = Tuesday, 4 = Wednesday, 5 = Thursday, 6 = Friday, 7 = Saturday). The value of this field defaults to 0 if no values are assigned.
DayType	Number assigned to type of day (1 = Accounting month end date, 2 = Holiday), expressed as a small integer (2 bytes of storage). The value of this field defaults to 1 if no values are assigned.
DayHours	Time that indicates the start of the day (DayID) in the calendar (CalendarID). The value of this field is expressed as a date/time stamp in the format HH:MM:SS [AM	PM]. The default value of this field is 12:00:00 AM if no values are assigned.

Detail Table

Field Name	Description
DetailID	Unique identifier of a detail of a task in the Project Structure. Takes the form of an integer with seed and incremental values of 1. This field cannot contain a NULL value.
BasisID	Unique identifier of a basis in the Project Structure, expressed as an integer with a default value of 0 if no values are assigned. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure, expressed as an integer with default value of 0 if no values are assigned. This value is taken from the Task Table. See "Task Table" on page 156.
OrganizationID	Unique identifier of an organization in the OBS or Rate Structure, expressed as an integer with a default value of 0 if no values are assigned. This value is taken from the Organization Table. See "Performance Table" on page 133.
ResourceID	Unique identifier of a resource in the OBS or Rate Structure, expressed as an integer with a default value of 0 if no values are assigned. The value of the ResourceID is taken from the Burden Table, as the value assigned to the BurdenID becomes the value of the ResourceID. See "Burden Table" on page 77
SpreadID	Unique identifier of a spread, expressed as an integer with a default value of 2 if no values are assigned. This value is taken from the Spread Table. See "Spread Table" on page 154.
DetailHours	Budgeted hours for detail level, from the schedule, expressed as a floating integer that defaults to 0 if no values are assigned.
DetailQuantity	Budgeted quantity for detail level, from the schedule, expressed as a floating integer that defaults to 0 if no values are assigned.
DetailHoursPerQuantity	Budgeted hours per quantity, from the schedule, expressed as a floating integer that defaults to 1 if no values are assigned.
DetailUnitCostMaterial	Budgeted unit cost material, from the schedule, expressed as a floating integer that defaults to 0 if no values are assigned.
DetailAbstract	An abstract detail type such as hours, from the schedule. expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
DetailPrime	Prime cost at detail level, expressed as a floating integer that defaults to 0 if no values are assigned.
DetailCurrent	Small (2-byte) integer that indicates whether a detail is current.

Field Name	Description
DetailEarnedType	Earned Value Type (EVT) number of the detail, expressed as a small integer that defaults to 2 if no values are assigned.
DetailPercentStart	Percent of detail started, expressed as a floating integer that defaults to 0 if no values are assigned. This field is used to determine Earned Value.
DetailPercentComplete	Percent of detail completed, expressed as a floating integer that defaults to 1 if no values are assigned. This field is used to determine Earned Value.
DetailPerformanceUnits	Base units used in performance calculations, expressed as a floating integer.
DetailBOE	Basis of estimate for a detail, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
DetailRepricePercent	Percentage for re-pricing, expressed as a floating integer that defaults to 1 if no values are assigned.
DetailBaselineCurrent	Small (2-byte) integer that indicates if the baseline is current. The value of this field defaults to 0 if no values are assigned.
DetailPurchaseOrderNumber	Purchase order number assigned to the detail task, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
DetailPurchaseOrderPayItemID	Purchase order Pay Item identifier, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters
DetailDateStamp	System entry based on the creation of the record, expressed as a date/time stamp in the format HH:MM:SS [AM | PM]. The default value of this field is 12:00:00 AM if no values are assigned.
DetailLow	Risk program, expressed as a floating point integer that defaults to 0 if no value is assigned. Indicates a low risk detail.
DetailNominal	Risk program, expressed as a floating point integer that defaults to 0 if no value is assigned. Indicates a nominal risk detail.
DetailHigh	Risk program, expressed as a floating point integer that defaults to 0 if no value is assigned. Indicates a high risk detail.
DetailRiskScenario	Risk program, expressed as a floating point integer that defaults to 0 if no value is assigned. Indicates the risk scenario of a detail.
DetailSigmaX	Risk program, expressed as a floating point integer that defaults to 0 if no value is assigned. Indicates a detail with a Sigma X designation.
DetailSigmaX2	Risk program, expressed as a floating point integer that defaults to 0 if no value is assigned. Indicates a detail with a Sigma X2 designation.

Field Name	Description
DetailUser1 through DetailUser10	Detail user defined field, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
DetailStatus	Detail operation status, expressed as an integer that defaults to 0 if no value is assigned.
ChargeCodeID	Unique identifier of a charge code, expressed as an integer. This value is taken from the Charge Code Table. See "Code Table" on page 89.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.
OperationID	Unique identifier of an operation affecting the detail, expressed as an integer. This value is taken from the Operation Table. See "Operation Table" on page 128.

Dimension Summary Table

Field Name	Description
DimensionSummaryID	Unique identifier of the dimension summary, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ProjectID	Unique identifier of a project in the Project Structure, expressed as an integer. This value is taken from the Project Table. See "Project Table" on page 138.
BasisID	Unique identifier of a project basis in the Project Structure, expressed as an integer. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
OrganizationID	Unique identifier of an organization in the OBS, expressed as an integer. This value is taken from the Organization Table. See "Organization Table" on page 130.
ResourceID	Unique identifier of a resource in the OBS or the Rate Structure, expressed as an integer. The value of the ResourceID is taken from the Burden Table, as the value assigned to the BurdenID becomes the value of the ResourceID. See "Burden Table" on page 77
ChargeCodeID	Unique identifier of a charge code identification number from the Charge Code Table, expressed as an integer. This value is taken from the Charge Code Table. See "Charge Code Table" on page 87.
MilestoneID	Unique identifier of a milestone, expressed as an integer. This value is taken from the Milestone table. See "Milestone Table" on page 125.
CodeID	Unique identifier of a code, created in the Codes tab of the Attribute Browser. The value of this field is expressed as an integer, and is taken from the Code Table. "Code Table" on page 89.
CodeIDRoot	Unique identifier of a root code, a higher-level parent code, created in the Codes tab of the Attribute Browser. The CodeIDRoot value is applied to a code when descendant codes, also referred to as child codes, are created for it. The value of this field is expressed as an integer, and is taken from the Code Table. "Code Table" on page 89.
Year	Fiscal year, expressed as a small (2-byte) integer.
Period	Fiscal period, expressed as a small (2-byte) integer.
DimensionSummaryOffset	Zero-based index for consumer report start period, expressed as a small (2-byte) integer.

Field Name	Description
DimensionSummaryValue	Value of either hours or dollars, expressed as a floating integer.
DimensionSummaryHours	Dimension summary of hours, expressed as a floating integer.
DimensionSummaryComputed	Dimension summary of calculated hours or dollars, expressed as a floating integer.
m0	Budget prime value, for example, DimensionSummaryValue_m0, expressed as a floating integer.
m1	Budget escalation value, for example, DimensionSummaryValue_m1, expressed as a floating integer.
m2	Burden Type 2, an overhead, expressed as a floating integer.
m3	Burden Type 3, expressed as a floating integer.
m4	Burden Type 4, expressed as a floating integer.
m5	Burden Type 5, expressed as a floating integer.
m6	Burden Type 6, expressed as a floating integer.
m7	Burden Type 7, expressed as a floating integer.
m8	Burden Type 8, expressed as a floating integer.
m9	Burden Type 9, expressed as a floating integer.
DimensionSummaryStatus	Dimension summary of status, expressed as a small (2-byte) integer.
DimensionSummaryCategory	Dimension summary of category, expressed as a small (2-byte) integer.
DimensionSummaryComputed	Computed dimension summary, expressed as a small (2-byte) integer.

Dual Table

The dual table generates or retrieves the next value in a sequence. Usually, the value to be called is contained in a SELECT statement.

> **The Dual Table is required to contain only one row.**
> Rather than use the Dual Table, you can create a table that has only one row and a trigger definition that prevents additional rows from being added to the table.

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Field Name	Description
Dual	Accepts an integer or a NULL value.

Element Type Table

Field Name	Description
ElementTypeID	Unique identifier of an element type in the Rate Structure, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ElementTypeName	Name of an element type created in the Rate Structure, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ElementTypeDescription	Description of an element type created in the Rate Structure, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ElementTypePin	Pin value used for re-pricing and expressed as a non-Unicode single character that defaults to the letter J if no values are assigned. *Note: This field is not used in Cost Manager 6.2*
ElementTypePinDefault	Default pin value used for re-pricing and expressed as a non-Unicode single character that defaults to the letter J if no values are assigned. *Note: This field is not used in Cost Manager 6.2*
ElementTypeGroup	Element type group number, expressed as a small (2-byte) integer that defaults to 0 if no values are assigned.
ElementTypeIsLabor	Small (2-byte) integer that indicates whether an element type in the Rate Structure is labor or non-labor. 1= Labor. 0= Non-labor.

Element Type Role Table

Field Name	Description
ElementTypeRoleID	Unique identifier of the role of an element type, expressed as an incremental fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ElementTypeID	Unique identifier of the element type, expressed as an integer. This value is taken from the Element Type Table. See "Element Type Table" on page 104.
RoleID	Unique identifier of the role, expressed as an integer. This value is taken from the Role Table. See "Role Table" on page 153.
ElementTypeRoleIsPrimary	Small (2-byte) integer setting that identifies an element role type as primary.
ElementTypeRoleStatus	Small (2-byte) integer setting that identifies the status of an element role type.
OperationID	Unique identifier of an operation that affects the element role type. This value is taken from the Operation Table. See "Operation Table" on page 128.

Event Table

Field Name	Description
EventID	Unique identifier of an event, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
CalendarID	Unique identification number of a calendar in which an event is recorded, expressed as an integer. The value of this field defaults to 0 if no values are assigned. This value is taken from the Calendar Table. See "Calendar Table" on page 84.
EventName	Name of event, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
EventDescription	Description of event, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
EventDate	Calendar event date, expressed as a date/time stamp in the format HH:MM:SS [AM	PM]. The default value of this field is 12:00:00 AM if no values are assigned.
EventDayType	Small (2-byte) integer that indicates the calendar event type, where 1 = Accounting month end date and 2 = Holiday, expressed as a small integer that defaults to 1 if no values are assigned.
EventHours	Small (2-byte) integer that indicates hours per day allocated to an event, expressed as a date/time stamp in the format HH:MM:SS [AM	PM]. The default value of this field is 12:00:00 AM if no values are assigned.
Year	Fiscal year, expressed as a small (2-byte) integer.
Period	Fiscal period. expressed as a small (2-byte) integer.
EventMinutesStandard	Integer that indicates the total number of minutes allocated to an event.
EventMinutesModified	Integer that indicates the total number of exception minutes, such as holidays, in a period.
EventWaveType	Event wave type, expressed as a small (2-byte) integer.
EventRealizedHours	Event realized hours, expressed as a floating integer.

Issue Table

Field Name	Description
IssueID	Unique identifier of an issue, expressed as an incremental fixed integer with seed and increment values of 1. This field cannot contain a NULL value. Issue identification number. Takes the form of a unique identifier.
ThresholdID	Unique identifier of a threshold set in the Threshold tab of the Attribute Browser, expressed as an integer. This value is taken from the Threshold Table. See "Threshold Table" on page 162.
IssueActive	Small (2-byte) integer that indicates if the threshold is active or inactive, where 1=Active, 0=Inactive.
IssueCurrent	Indicates whether the issue is a current or past issue, expressed as a floating integer.
Year	Small (2-byte) integer that indicates the fiscal year.
Period	Small (2-byte) integer that indicates the fiscal period.
BasisID	Unique identifier of a basis in the Project Structure, expressed as an integer. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
IssueStatus	Status of an issue, expressed as an integer.
IssuePriority	Priority of an issue, expressed as an integer.

Keyset Table

> The Keyset Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.**

Field Name	Description
KeysetID	Unique identifier of a key setting, expressed as an integer. This field cannot take a NULL value.
KeysetSession	Name of a keyset session, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.

Keyset Alternate Table

The Keyset Alternate Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.**

Field Name	Description
KeysetAlternateID	Unique identifier of an alternate key setting, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
KeysetAlternateSession	Name of a session in which an alternate key setting is used, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
KeysetOriginalID	Unique identifier of an original key setting, expressed as an integer.
KeysetForeignID	Unique identifier of a foreign key setting, expressed as an integer.
KeysetAlternateData	Integer that identifies alternate data related to a key setting.
KeysetAlternateText	Alternative text that defines a key setting, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
KeysetAlternateValue	Alternative value of a key setting, expressed as a floating integer.
KeysetPeriodicID	Unique identifier of the periodicity of a key setting, expressed as an integer.
Year	Fiscal year of related data, expressed as an integer.
Period	Fiscal period of related data, expressed as an integer.
KeysetMatchID	Unique identifier of a key setting that matches the alternate key setting, expressed as an integer.

Keyset Directory Table

*The Keyset Directory Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.***

Field Name	Description
KeysetDirectoryID	Unique identifier of the directory that stores key setting files, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
KeysetDirectorySession	Variable-length, non-Unicode character string with a maximum length of 255 characters that indicates the name of the session in which the keyset directory was accessed.
ItemID	Unique identifier of an item in the keyset directory, expressed as an integer.
AxisID	Unique identifier of an axis, expressed as an integer. This value is taken from the Axis Summary Table. See "Axis Summary Table" on page 67.
Status	Staus of a key setting, expressed as an integer.
ErrorCode	Error code, expressed as an integer, which causes Cost Manager to display an error message to a user. For a NULL value, indicating no error, an error message is not displayed.

Keyset Import Table

The Keyset Import Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.**

Values in the Keyset Import Table are used when importing project structures into Cost Manager

Field Name	Description
KeysetImportID	Unique identifier of an imported key setting, expressed as an incremental fixed value with seed and increment values of 1. This field cannot contain a NULL value.
KeysetImportSession	Name of the key import session, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
BasisID	Unique identifier of a basis in the Project Structure, expressed as an integer. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
MilestoneID	Unique identifier of a milestone, expressed as an integer. This value is taken from the Milestone Table. See "Milestone Table" on page 125.
ParentID	Unique identifier of a parent Work Breakdown Structure (WBS), expressed as an integer.
Status	Status of the keyset import, expressed as an integer.
ErrorCode	Error code, expressed as an integer, which causes Cost Manager to display an error message to a user. For a NULL value, indicating no error, an error message is not displayed.
WBS	Name of a WBS, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ParentWBS	Parent of the WBS, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
MilestoneActivity	Name of the activity for which data is imported for use toward the completion of a project milestone, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.

Field Name	Description
ImportText1 through ImportText32	Imported text, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ImportNumber1 through ImportNumber20	Import operation number, expressed as a floating integer.
ImportDateStart	Start date of the import, expressed in the date format MM-DD-YYYY and the time format, HH:MM:SS.xxx, where xxx represents thousandths of a second.
ImportDateFinish	End date of the import, expressed in the date format MM-DD-YYYY and the time format, HH:MM:SS.xxx, where xxx represents thousandths of a second.

Keyset Import Code Table

*The Keyset Import Code Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.***

Values in the following table are used when importing code structures into Cost Manager.

Field Name	Description
KeysetImportCodeID	Unique identifier of key settings for the imported code from the Code tab in the Attribute Browser, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
KeysetImportCodeSession	Key import session code, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
KeysetImportCodeUUID	Universally unique identifier (UUID) of the key import code, expressed as a variable-length, non-Unicode character string with a maximum length of 1024 characters.
KeysetImportCodeUUIDParent	Parent of the KeysetImportCodeUUID, expressed as a variable-length, non-Unicode character string with a maximum length of 1024 characters.
Status	Status of the keyset import code, expressed as a small integer.
ErrorCode	Error code, expressed as an integer, which causes Cost Manager to display an error message to a user. For a NULL value, indicating no error, an error message is not displayed.
CodeID	Unique identifier of a code in the code structure. This value is taken from the Code Table. See "Code Table" on page 89.
CodeIDParent	Unique identifier of the parent code of the CodeID. This value is taken from the Code Table. See "Code Table" on page 89.
TaskID	Unique identifier of the task, in the Project Structure, to which the imported codes are assigned. This value is taken from the Task Table. See "Task Table" on page 156.
ProjectID	Unique identifier of the project, in the Project Structure, to which the imported codes are assigned. This value is taken from the Project Table. See "Project Table" on page 138.
Code	Name of the imported code, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.

Field Name	Description
CodeParent	Name of the parent code of Code, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
Project	Name of the project to which the imported codes are assigned, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
Task	Name of the task to which the imported codes are assigned, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
CodeType	Small (2-byte) integer that indicates the type of code.
CodeDescription	Description of the imported code, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ImportText1 through ImportText10	Imported text, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ImportNumber1 through ImportNumber20	Import operation number, expressed as a floating integer.

Keyset Import Performance Table

*The Keyset Import Performance Code Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.***

The Keyset Import Performance Table is used to import project performance data into Cost Manager, for use in calculating earned value for schedules and progress.

Field Name	Description
KeysetImportPerformanceID	Unique identifier of the key settings for importing performance data, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
KeysetImportPerformanceSession	Name of the import session for performance data, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
DetailID	Unique identifier of the detail in the Project Structure for which data is imported, expressed as an integer. This value is taken from the Detail Table. See "Detail Table" on page 98.
BasisID	Unique identifier of a basis in the Project Structure for which data is imported, expressed as an integer. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure for which data is imported, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
OrganizationID	Unique identifier of an organization in the OBS for which data is imported, expressed as an integer. This value is taken from the Organization Table. See "Organization Table" on page 130.
BurdenID	Unique identifier of a burden in the Rate Structure for which data is imported, expressed as an integer. This value is taken from the Burden Table. See "Burden Table" on page 77.
MilestoneID	Unique identifier of a project milestone for which data is imported, expressed as an integer. This value is taken from the Milestone Table. See "Milestone Table" on page 125.

Field Name	Description
PerformanceID	Unique identifier of a performance earned value attribute for which data is imported, expressed as an integer. This value is taken from the Performance Table. See "Performance Table" on page 133.
Status	Status of the import, expressed as an integer.
ErrorCode	Error code, expressed as an integer, which causes Cost Manager to display an error message to a user. For a NULL value, indicating no error, an error message is not displayed.
Year	Fiscal year of the imported data, expressed as an integer.
Period	Fiscal period of the imported data, expressed as an integer.
WBS	Name of the WBS for which performance data is imported, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
Organization	Name of the Organization for which performance data is imported, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
Burden	Name of the burden in the Rate Structure for which performance data is imported, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
MilestoneActivity	Description of an activity related to a milestone for which performance data is imported, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ImportText1 through ImportText25	Imported text data for any of the previous entities, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ImportNumber1 through ImportNumber40	Import operation number, expressed as a floating integer.

Keyset Import Periodic Table

The Keyset Import Periodic Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.**

The Keyset Import Periodic Table is used to import periodic cost data into Cost Manager, for use in calculating earned value for project costs.

Field Name	Description
KeysetImportPeriodicID	Unique identifier of the key settings for importing periodic data, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
KeysetImportPeriodicSession	Name of the import session for periodic data, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
DetailID	Unique identifier of the detail in the Project Structure for which data is imported, expressed as an integer. This value is taken from the Detail Table. See "Detail Table" on page 98.
BasisID	Unique identifier of a basis in the Project Structure for which data is imported, expressed as an integer. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure for which data is imported, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
OrganizationID	Unique identifier of an organization in the OBS for which data is imported, expressed as an integer. This value is taken from the Organization Table. See "Organization Table" on page 130.
BurdenID	Unique identifier of a burden in the Rate Structure for which data is imported, expressed as an integer. This value is taken from the Burden Table. See "Burden Table" on page 77.
OverheadID	Unique identifier of an overhead in the Rate Structure for which data is imported, expressed as an integer.
BurdenTypeID	Unique identifier of a burden type in the Rate Structure for which data is imported, expressed as an integer. This value is taken from the Burden Type Table. See "Burden Type Table" on page 82.

Field Name	Description
ElementTypeID	Unique identifier of an element in the Rate Structure for which data is imported, expressed as an integer. This value is taken from the Element Type Table. See "Element Type Table" on page 104.
PerformanceID	Unique identifier of a performance earned value attribute for which data is imported, expressed as an integer. This value is taken from the Performance Table. See "Performance Table" on page 133.
RateTableID	Unique identifier of a rate in the Rate Structure for which data is imported, expressed as an integer. This value is taken from the Rate Table. See "Performance Table" on page 133.
ChargeCodeID	Unique identifier of a charge code for which data is imported, expressed as an integer. This value is taken from the Charge Code Table. See "Charge Code Table" on page 87.
Status	Status of the import, expressed as an integer.
ErrorCode	Error code, expressed as an integer, which causes Cost Manager to display an error message to a user. For a NULL value, indicating no error, an error message is not displayed.
Year	Fiscal year of the imported data, expressed as an integer.
Period	Fiscal period of the imported data, expressed as an integer.
WBS	Name of the WBS for which data is imported, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
Organization	Name of the Organization for which data is imported, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
Burden	Name of the burden in the Rate Structure for which data is imported, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ImportText1 through ImportText25	Imported text data for any of the previous entities, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ImportNumber1 through ImportNumber40	Import operation number, expressed as a floating integer.

Keyset Pricing Abstract Table

The Keyset Pricing Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.**

The Keyset Pricing Abstract Table is used to import pricing abstract data into Cost Manager.

Field Name	Description
KeysetPricingAbstractID	Unique identifier of the pricing abstract, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
KeysetPricingAbstractSession	Name of the pricing abstract session, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProjectID	Unique identifier of the project in the Project Structure related to the pricing abstract, expressed as an integer. This value is taken from the Detail Table. See "Detail Table" on page 98.
BasisID	Unique identifier of the basis in the Project Structure related to the pricing abstract, expressed as an integer. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure related to the pricing abstract, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
OrganizationID	Unique identifier of an organization in the OBS related to the pricing abstract, expressed as an integer. This value is taken from the Organization Table. See "Organization Table" on page 130.
BurdenID	Unique identifier of a burden in the Rate Structure related to the pricing abstract, expressed as an integer. This value is taken from the Burden Table. See "Burden Table" on page 77.
V1 through V3C	Number assigned to the pricing abstract, expressed as a floating integer.
Key set Pricing Abstract Type	The type of pricing abstract, expressed as a small (2-byte) integer.

Keyset Pricing Summary Table

*The Keyset Pricing Summary Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.***

The Keyset Pricing Summary Table is used to import pricing summary data into Cost Manager.

Field Name	Description
KeysetPricingSummaryID	Unique identifier of the pricing summary, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
KeysetPricingSummarySession	Name of the pricing summary, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskID	Unique identifier of a task in the Project Structure related to the pricing summary, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
A1 through A12, and A1C C1 through C12, and C1C E1 through E12, and E1C F1 through F12, and F1C G1 through G12, and G1C O1 through O12, and O1C P1 through P12, and P1C	Number assigned to the pricing summary, expressed as a floating integer.
KeysetPricingSummaryType	The type of pricing summary type, expressed as a small (2-byte) integer.

Keyset Pricing Value Table

*The Keyset Pricing Value Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.***

The Keyset Pricing Value Table is used to import pricing value data into Cost Manager.

Field Name	Description
KeysetPricingValueID	Unique identifier of the pricing value, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
KeysetPricingValueSession	Name of the pricing value, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskID	Unique identifier of a task in the Project Structure related to the pricing value, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
V1 through V12	Number assigned to the pricing value, expressed as a floating integer.
KeysetPricingValueType	The type of pricing value type, expressed as a small (2-byte) integer.

Keyset Project Status Table

*The Keyset Project Status Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.***

Field Name	Description
TaskID	Unique identifier of the task for which the project status is retrieved. The value for this field is expressed as an integer. This field cannot contain a NULL value.
KeysetProjectStatusID	Unique identifier of the keyset project status, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
KeysetProjectStatusSession	Name of the session in which project status is retrieved, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
KeysetProjectStatusBCWSCurrent	Budgeted cost of work scheduled (BCWS), a cumulative cost or value of project tasks that are scheduled to be completed within a specified period aligned with project baselines and budget. The value of this field is expressed as a floating integer.
KeysetProjectStatusBCWPCurrent	Budgeted cost of work performed (BCWP), the earned value of project tasks that are scheduled to be completed within a specified period aligned with project baselines and budget. Cost Manager compares this value to the ACWP value to identify variances. The value of this field is expressed as a floating integer.
KeysetProjectStatusACWPCurrent	Current actual cost of work performed (ACWP), expressed as a floating integer.
KeysetProjectStatusBCWSCum	Cumulative BCWS over the project lifecycle, expressed as a floating integer.
KeysetProjectStatusBCWPCum	Cumulative BCWP over the project lifecycle, expressed as a floating integer.
KeysetProjectStatusACWPCum	Cumulative ACWP over the project lifecycle, expressed as a floating integer.

Field Name	Description
KeysetProjectStatusBAC	Budget at completion (BAC) of the project, expressed as a floating integer.
KeysetProjectStatusFAC	Funds at completion (FAC) of the project, expressed as a floating integer.
KeysetProjectStatusType	Type of project status, expressed as a small (2-byte) integer.
OrganizationID	Unique identifier of an organization in the OBS related to the previous set of fields. Expressed as an integer, this value is taken from the Organization Table. See "Organization Table" on page 130.
ResourceID	Unique identifier of a resource in the OBS, from which rates and other information can be retrieved for use within the previous set of fields. The value of the ResourceID is taken from the Burden Table, as the value assigned to the BurdenID becomes the value of the ResourceID. See "Burden Table" on page 77

Keyset Summary Table

*The Keyset Summary Table is provided as a reference only. Keyset tables are used for internal purposes, such as storing temporary import data. **For proper functioning of your Cost Manager software, do not modify the Keyset tables.***

Field Name	Description
KeysetSummaryID	Unique identifier of the keyset summary, expressed as an integer. This field cannot contain a NULL value.
KeysetSummarySession	Name of the session in which the keyset summary is retrieved, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
KeysetSummaryFactor	Factor of the keyset summary, expressed as a floating integer.
KeysetSummaryValue	Value of the keyset summary, expressed as a floating integer.
k0 through k9	Keyset summary values, expressed as a floating integer.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.

Milestone Table

Field Name	Description
MilestoneID	Unique identifier of a milestone, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
TaskID	Unique identifier of the task in the Project Structure related to the milestone. Expressed as an integer that defaults to 0 if no values are assigned, this value is taken from the Task Table. See "Task Table" on page 156.
OrganizationID	Unique identifier of an organization in the OBS that contains resources who work on tasks toward the milestone. This value is expressed as an integer with a default of 0 if no values are assigned.
ResourceID	Unique identifier of a resource, expressed as an integer that defaults to 0 if no values are assigned. The value of the ResourceID is taken from the Burden Table, as the value assigned to the BurdenID becomes the value of the ResourceID. See "Burden Table" on page 77.
MilestoneName	Name assigned to the milestone, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
MilestoneDescription	Description of milestone, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
MilestonePercentage	Percentage value assigned to milestone, expressed as a floating integer that defaults to 1 if no values are assigned.
MilestonePerformanceUnits	Base performance units per milestone, expressed as a floating integer.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.
OperationID	Unique identifier of an operation affecting the milestone, expressed as an integer. This value is taken from the Operation Table. See "Operation Table" on page 128.
MilestoneUser1 through MilestoneUser10	User defined fields expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.

Milestone Schedule Table

Field Name	Description
MilestoneID	Unique identifier of a milestone, expressed as an integer that defaults to 0 if no values are assigned. This value is taken from the Milestone Table. See "Milestone Table" on page 125.
BasisID	Unique identifier of a basis in the Project Structure, expressed as an integer that defaults to 0 if no values are assigned. This value is taken from the Basis Table. See "Basis Table" on page 68.
MilestoneDate	Planned date of a milestone, expressed in the date format MM-DD-YYYY and the time format, HH:MM:SS.xxx, where xxx represents thousandths of a second.
MilestonePercentStart	Earned value method assigned to calculate the percent of the project that was started. The value of this field is expressed as a floating integer that defaults to 0 if no values are assigned.
MilestonePercentComplete	Earned value method assigned to calculate the percent of the project that was completed. The value of this field is expressed as a floating integer that defaults to 1 if no values are assigned.
MilestoneLag	Lag value added to milestone date, expressed as a floating integer that defaults to 0 if no values are assigned.
OperationID	Unique identifier of an operation used on a milestone to retrieve or calculate data, expressed as an integer. This value is taken from the Operation Table. See "Operation Table" on page 128.
MilestoneActive	Small (2-byte) integer that identifies an active milestone.

Narrative Table

Field Name	Description
Narrative ID	Unique identifier of a narrative, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
WorkFlowID	Unique identifier of a workflow, expressed as an integer. This value is taken from the WorkFlow Table. See "Workflow Table" on page 163
NarrativeSequence	Small (2-byte) integer that identifies a narrative sequence.
NarrativeText	Narrative text expressed as a variable-length, non-Unicode character string with a maximum length of 8,000 characters.

Operation Table

Field Name	Description
OperationID	Unique identifier of an operation, a calculation, retrieval, or change made in the database that affects a part of the user interface. The value of this field is expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.

The following database tables include and retrieve values for this field:

Field Name	Description
OperationUUID	Universally unique identifier of an operation, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
OperationType	Operation type, expressed as an integer.
OperationSession	Operation session name, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
OperationUser	Name of the user who requested the operation, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.

Field Name	Description
OperationComputer	Name of the computer on which the operation occurred, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
OperationStart	Start date and time of an operation in the format MM-DD-YYYY and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second.
OperationFinish	End date and time of an operation in the format MM-DD-YYYY and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second.

Organization Table

Field Name	Description
OrganizationID	Unique identifier of an organization displayed in the OBS, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
PrincipalID	Unique identifier of a principal, expressed as an integer. This value is taken from the Principal Table. See "Principal Table" on page 135.
OrganizationName	Name of the organization, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
OrganizationDescription	Description of the organization, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
OrganizationManager	Name of the manager of the organization, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
OrganizationUUID	Universally unique identifier of the organization, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
OrganizationIDParent	Numeric identifier of the parent organization, expressed as an integer.
OrganizationLevel	Level number of an organization, expressed as a small (2-byte) integer.
OrganizationalIsLeaf	Small (2-byte) integer that indicates whether the organizational table is at its lowest level. (1= Yes, 0= No).
OrganizationPin	Used for repricing, the value of this field is expressed as a 1-character string that defaults to the letter J if no values are assigned. *Note: This field is not used in Cost Manager 6.2.*
OrganizationUser1 through OrganizationUser10	Organization user defined field expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.

Field Name	Description
OrganizationAddress1 through OrganizationAddress6:	The following fields represent parts of the address of an organization and are expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. Values of these fields are set in the Attribute Browser and are presented in Box 1.b of Government Reports.
OrganizationAddress1	Line 1 of the organization's street address
OrganizationAddress2	Line 2 of the organization's streeet address.
OrganizationAddress3	City of the organization's street address.
OrganizationAddress4	State of the organization's street address.
OrganizationAddress5	Zip code of the organization's street address.
OrganizationAddress6	Country of the organization's street address.

Organization Allocated Overhead Table

Field Name	Description
OrganizationID	Unique identifier of an organization in the OBS, expressed as an integer that defaults to 0 if no values are assigned. The value of this field is taken from the Organization Table. See "Organization Table" on page 130.
BurdenID	Unique identification number of a burden created in the Rate Structure. This field is also used as the ResourceID. The value of this field is expressed as an integer that defaults to 0 if no values are assigned. See "Burden Table" on page 77 for more information about this field.

Performance Table

Field Name	Description
PerformanceID	Unique identifier of a performance measure, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
BasisID	Unique identifier of a basis in the Project Structure, expressed as an integer, and taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure, expressed as an integer, and taken from the Task Table. See "Task Table" on page 156.
OrganizationID	Unique identifier of an organization in the OBS, expressed as an integer, and taken from the Organization Table. See "Organization Table" on page 130.
ResourceID	Unique identifier of a resource, expressed as an integer. The value of the ResourceID is taken from the Burden Table, as the value assigned to the BurdenID becomes the value of the ResourceID. See "Burden Table" on page 77.
Year	Fiscal year in of the data set showing performance, expressed as a small (2-byte) integer.
Period	Fiscal period in of the data set showing performance, expressed as a small (2-byte) integer.
PerformancePercentComplete	Value of the performance of the selected percentage of completed work, taken from the Cost Manager interface, and expressed as a floating integer that defaults to 0 if no values are assigned.
PerformanceUnits	Base performance units, from the Cost Manager interface, expressed as a floating integer.
PerformanceUnitsComplete	Period-based performance units, from the Cost Manager interface, expressed as a floating integer.
MilestoneID	Unique identifier of a milestone in the Rate Structure, expressed as an integer. This value is taken from the Milestone Table. See "Milestone Table" on page 125.
PerformanceStatus	Performance status, expressed as an integer.
OperationID	Unique identifier of an operation, expressed as an integer, and taken from the Operation Table.

Performance Summary Table

Field Name	Description
PerformanceSummaryID	Unique identifier of the performance summary, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
BasisID	Unique identifier of a project basis from the Project Structure, expressed as an integer. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task from the Project Structure, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
OrganizationID	Unique identifier of an organization from the OBS, expressed as an integer. This value is taken from the Organization Table. See "Organization Table" on page 130.
ResourceID	Unique identifier of a resource in the OBS, expressed as an integer. This value is taken from the Burden Table, as the ResourceID takes the same value as the BurdenID. See "Burden Table" on page 77.
MilestoneID	Unique identifier of a milestone, expressed as an integer. This value is taken from the Milestone Table. See "Milestone Table" on page 125.
Year	Fiscal year of performance summary data, expressed as a small (2-byte) integer.
Period	Fiscal period of performance summary data, expressed as a small (2-byte) integer.
PerformanceSummaryOffset	Performance summary offset expressed as a small (2-byte) integer.
PerformanceSummaryValue	Performance summary value expressed as a floating integer.
PerformanceSummaryHours	Number of hours in the performance summary, expressed as a floating integer.
m0 through m9	Indicator of the number of hours in the performance summary, expressed as a floating integer.
TaskIDOrigin	The origin of the TaskID, expressed as an integer.
PerformanceSummaryStatus	Status of the performance summary, expressed as an integer that defaults to 0 if no values are assigned.
PerformanceSummaryComputed	Computed performance summary expressed as a floating integer.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.

Principal Table

The Principal Table is reserved for future use.
It is included in this appendix for reference purposes.

Field Name	Description
PrincipalID	Unique identifier of the principal server used in authentication or database mirroring, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value. This value is also used in the Client Session Table. "Client Session Table" on page 88.
PrincipalUUID	Universally unique identifier of the principal server, a unique 128-bit number, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The UUID identifies the principal server to the witness and mirror servers in a synchronous or asynchronous (high availability) database mirroring configuration.
PrincipalCertSubjectName	Name of the authentication certificate, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
PrincipalCertIssuerName	Issuer of the certificate, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
PrincpalEmail	Email address of the authenticated user, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
PrincpalAuthorizedViewer	Small (2-byte) integer passed from the authentication server to the principal server to indicate the status of authentication.
PrincipalAuthorizedEditor	Principal authorized editor, expressed as a small (2-byte) integer.
PrincipalAuthorizedEngine	Principal authorized engine, expressed as a small (2-byte) integer.
PrincipalAuthorizedInterface	Principal authorized interface, expressed as a small (2-byte) integer.
PrincipalAuthorizedReport	Principal authorized report, expressed as a small (2-byte) integer.

Program Log Table

Field Name	Description
ProgramLogID	Unique identifier of a program log, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ProjectID	Unique identifier of a project created in the Project Structure, expressed as an integer that defaults to 0 if no values are assigned.
ProgramLogDateStamp	Date and time stamp of a program log expressed in the format MM-DD-YYYY and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second, that indicates the start of the apportionment period for the resource.
ProgramLogName	Name of a program log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProgramLogDescription	Description of a program log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProgramLogChange	Change to a program log, expressed as a variable-length, non-Unicode character string with a maximum of 255 characters.
ProgramLogCostAccount	Name of a cost account log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProgramLogWorkPackage	Name of a work package log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProgramLogPrime	Name of the primary program log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProgramLogOverhead	Name of an overhead log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProgramLogBurden	Name of a burden log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProgramLogTargetCost	Name of a target cost log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProgramLogAuthUnprc	Name of an authorization unprocessed log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProgramLogMgmtReserve	Name of a management reserve log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.

Field Name	Description
ProgramLogUndistBudget	Name of an undistributed budget log, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProgramLogDistBudget	Name of a distributed budget log, expressed as a variable-length, non-Unicode character string with a maximum of 255 characters.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.

Project Table

Field Name	Description
ProjectID	Unique identifier of a project in the Project Structure, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ContractID	Unique identifier of a contract, expressed as an integer, with a default value of 3. This value is taken from the Contract Table. See "Contract Table" on page 92.
PrincipalID	Unique identifier of a principal for a contract, expressed as an integer. This value is taken from the Principal Table. See "Principal Table" on page 135.
ProjectIDParent	Project identification number from the parent project expressed as an integer.
ProjectLevel	Level of the project in the Project Structure, expressed as a small (2-byte) integer.
ProjectIsLeaf	Small (2-byte) integer that indicates whether the project is at the lowest leaf in the Project Structure. 0 = No, 1 = Yes.
ProjectName	Project name expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProjectDescription	Project description expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProjectPassword	Password assigned to the project expressed as a variable-length, non-Unicode character string with a maximum length of 12 characters.
ProjectUUID	Universally unique identifier of the project, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProjectOfferor	Name of the organization that is the sponsor of the project, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectOfferorAddress	Street location of the sponsor, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProjectOfferorCity	City in which the sponsor is located is located, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectOfferorState	State in which the sponsor is located, expressed as a variable-length, non-Unicode character string with a maximum length of 2 characters. The value of this field is set in the Attribute Browser.

Field Name	Description
ProjectOfferorZip	Zip code of the sponsor, expressed as a variable-length, non-Unicode character string with a maximum length of 12 characters. The value of this field is set in the Attribute Browser.
ProjectModificationNumber	Modification number associated with the project, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectBidType	Type of bid for a project, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectMultiyear	Small (2-byte) integer which indicates whether a project spans multiple years. 1=Project spanning multiple years, 0=Not a multiyear project. The value of this field is set in the Attribute Browser.
ProjectPlaceOfPerformance	Location of work to be performed, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectOfferorPOCName	Name of the point of contract for the project, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectOfferorPOCTitle	Title of the point of contract, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectOfferorPOCVoice	Phone number of the point of contract, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectOfferorConMgrName	Name of the sponsor's contract manager, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectOfferorProMgrName	Name of the sponsor's program manager, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectOfferorResMgrName	Name of the sponsor's responsible manager, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectProposalNumber	Project proposal number, a control number assigned to the project, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.

Field Name	Description
ProjectQuantity	Number of units to be delivered, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 5.a, Prod, of the Format 1 report.
ProjectAccountingCode	Accounting code assigned to project, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectUser1 through ProjectUser10	User defined field, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.
ClientSessionID	Unique identifier of the client session of the project, expressed as an integer. This field is taken from the Client Session Table. See "Client Session Table" on page 88.
ProjectActive	Identifier of the active project, expressed as an integer.
ProjectNameSource	Primavera project to be populated with exported data, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectClassification	Header/footer classification of the project, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectCtrctBestCase	Best case scenario for the project contract, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 6.a, column 1, of the Format 1 report.
ProjectCtrctComplete	Completion date of the project contract, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second.
ProjectCtrctCostEstAuthUnprc	Authorized, Unpriced Project Cost Estimate — Estimate of authorized changes that are not priced according to the contract, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 5.c of the Format 1 report, box 6.c, column 2, of the Format 1 report, and box 5.d of the Format 3 report.
ProjectCtrctCostOriginal	Cost of work to be completed, per the original contract, expressed as a floating integer. The value of this field is set in the Attribute Browser, and also is presented in box 5.b of a Format 1 report, box 6.c, column 2, of a Format 1 report, box 5.a of a Format 3 report, and box 6.a of a C/SSR report.

Field Name	Description
ProjectCtrctDefinite	Finalized contract date (Format 3 Box 5.l), expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second.
ProjectCtrctEstimatedCeiling	Estimated ceiling of the project contract, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 5.h of the Format 1 report.
ProjectCtrctEstimatedComplete	Estimated completion date of the project contract, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser and is presented in box 5.l of the Format 3 report.
ProjectCtrctMostLikely	Project contract most likely to be received, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in Box 6.c, column 1, of the Format 1 report.
ProjectCtrctName	Project contract name, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser and is presented in Box 2.a of the Government Reports.
ProjectCtrctNegotiatedChanges	Changes to the cost of the project, negotiated by stakeholders, and documented in the contract of the project. Expressed as a floating integer, the value of this field is set in the Attribute Browser and is presented in box 5.b of a Format 1 report, box 6.c, column 2, of a Format 1 report, box 5.b of a Format 3 report, and box 6.b of a C/SSR report.
ProjectCtrctNegotiatedCost	Cost of the contract, negotiated by stakeholders and documented in the project contract. Expressed as a floating integer.
ProjectCtrctNumber	Contract number of the project, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser and is used in Box 2.b of the Government Reports.
ProjectCtrctOverTargetBaseline	Project contract exceeds the targeted baseline, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser and is used in Box 6.h of the C/SSR report.
ProjectCtrctPlannedComplete	Planned completion date of the project, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser and is used in Box 5.j of the Format 3 report.

Field Name	Description
ProjectCtrctPriceCeiling	Price ceiling of the project, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 5.h of the Format 1 report.
ProjectCtrctShareDenom	Project share denomination, expressed as a floating integer.
ProjectCtrctShareRatio1Denom	Project share denomination Ratio 1, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 2.b of the Government Reports.
ProjectCtrctShareRatio2Denom	Project share denomination Ratio 2, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 2.b of the Government Reports.
ProjectCtrctStart	Project contract start date, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser and is presented in box 5.h of the Format 3 report.
ProjectCtrctTargetFee	Target fee of the project, expressed as a floating integer, and set in the Attribute Browser. The value of this field is presented in box 5.d of the Format 1 report.
ProjectCtrctTargetPriceCurrent	Target price of the project, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 5.e of the Format 1 report.
ProjectCtrctTargetPriceEst	Estimated target price for project, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 5.g of the Format 1 report.
ProjectCtrctTargetProfit	Target profit for project, expressed as a floating integer. The value of this field is set in the Attribute Browser, and is presented in box 5.d of the Format 1 report.
ProjectCtrctType	Project contract type, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser and is presented in box 2.c of the Government Reports.
ProjectCtrctWorstCase	Worst case scenario for the project, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 6.b, column 1, of the Format 1 report.
ProjectCVVarianceAdjustment	Cost variance adjustment of the project, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 9.a, column 11, of the Format 1 report.

Field Name	Description
ProjectF3Period1Count	Number of periods aggregated into column 10, section 6, of a Format 3 report for period 1. Expressed as an integer, the value of this field is set in the Attribute Browser.
ProjectF3Period1Title	Title of column 10, section 6, in a Format 3 report for period 1. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectF3Period2Count	Number of periods aggregated into column 11, section 6, of a Format 3 report for period 2. Expressed as an integer, the value of this field is set in the Attribute Browser.
ProjectF3Period2Title	Title of column 11, section 6, in a Format 3 report for period 2. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectF3Period3Count	Number of periods aggregated into column 12, section 6, of a Format 3 report for period 3. Expressed as an integer, the value of this field is set in the Attribute Browser.
ProjectF3Period3Title	Title of column 12, section 6, in a Format 3 report for period 3. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectF3Period4Count	Number of periods aggregated into column 13, section 6, of a Format 3 report for period 4. Expressed as an integer, the value of this field is set in the Attribute Browser.
ProjectF3Period4Title	Title of column 13, section 6, in a Format 3 report for period 4. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectF4Period1Count	Number of periods aggregated into column 10, section 5, of a Format 4 report for period 1. Expressed as an integer, the value of this field is set in the Attribute Browser.
ProjectF4Period1Title	Title of column 10, section 5, in a Format 4 report for period 1. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectF4Period2Count	Number of periods aggregated into column 11, section 5, of a Format 4 report for period 2. Expressed as an integer, the value of this field is set in the Attribute Browser.
ProjectF4Period2Title	Title of column 11, section 5, in a Format 4 report for period 2. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.

Field Name	Description
ProjectF4Period3Count	Number of periods aggregated into column 12, section 5, of a Format 4 report for period 3. Expressed as an integer, the value of this field is set in the Attribute Browser.
ProjectF4Period3Title	Title of column 12, section 5, in a Format 4 report for period 3. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectF4Period4Count	Number of periods aggregated into column 13, section 5, of a Format 4 report for period 4. Expressed as an integer, the value of this field is set in the Attribute Browser.
ProjectF4Period4Title	Title of column 13, section 5, in a Format 4 report for period 4. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectMR	Project management reserve, expressed as a floating integer. This value is set in the Attribute Browser and is presented in box 8.f, column 14, of the Format 1 report.
ProjectPhase	Project phase, expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser and is used in box 3.b of the Government Reports.
ProjectRDQuantity	Project research and development quantity, expressed as a floating integer. The value of this field is set in the Attribute Browser and presented in box 5.a, R&D, of the Format 1 report.
ProjectStatusDate	Project status date, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser. After values are computed, reports are generated for the next period end on or after this date. Boxes 4.a and 4.b of the Government Status report presents this field and its value.
ProjectSubmissionDate	Project submission date, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser and is presented in box 7.d in the Format 1 report.
ProjectSVVarianceAdjustment	Project schedule variance adjustment, expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 9.a, column 10, of the Format 1 report.
ProjectAuthorizedRepTitle	Title of project authorized representative, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser and is presented in box 7.b of the Format 1 report.

Field Name	Description
ProjectUBBudgeted	Planned and budgeted undistributed project budget. The value of this field is expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 8.d, column 14, of the Format 1 report.
ProjectUBEstimated	Estimated, undistributed project budget. The value of this field is expressed as a floating integer. The value of this field is set in the Attribute Browser and is presented in box 8.d, column 15, of the Format 1 report.
ProjectAuthorizedRepName	Name of authorized project representative, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProjectGREGateDate	Date of the project gate review, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser.
ProjectGREStart	wInsight export start date — First period end date to generate wInsight data. Equivalent to a starting Status Date. Expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser.
ProjectGREEnd	wInsight export end date — Last period end date to generate wInsight data. Equivalent to an ending Status Date. Expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser.
ProjectGREType	wInsight type, expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser
ProjectGREByControlAccount	wInsight Export Level Option — Selects the criteria for picking the lowest level of the WBS for which to generate data. Expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser
ProjectGREAtWBSLevel	wInsight Export WBS Level — Selects the WBS level for which to generate data if the WBS level is the criteria for picking the lowest level. Expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser.
ProjectGREByEOC	wInsight Export By EOC — wInsight selection for the inclusion of Elements of Cost (EOC), expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser
ProjectGRELREOption	Estimate at Completion, also referred to as the Latest Revised Estimate, expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser.

Field Name	Description
ProjectGREBaseline	Project baseline, expressed as an integer. The value of this field is set in the Attribute Browser.
ProjectGREActual	wInsight project actual cost, expressed as an integer. The value of this field is set in the Attribute Browser.
ProjectGREForecast	wInsight forecast cost, expressed as an integer. The value of this field is set in the Attribute Browser.
ProjectGREBurdenOH	wInsight Export Roll-Up Overhead — Adds overhead costs to each itemized cost, expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser.
ProjectGREBurdenGA	wInsight Export Roll-Up of G&A Costs — Adds G&A costs to each cost, expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser.
ProjectGREBurdenCOM	wInsight Export Roll-Up of COM Costs — Adds COM costs to each cost. The value of this field is set in the Attribute Browser.
ProjectGRESpecifyCOM	wInsight Export Show Total Overhead — Calculates the total overhead including COM costs (as 'Non-Add when Roll-Up COM is selected), expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser.
ProjectGRESpecifyOH	wInsight Export Show Total OH — Calculates the total overhead (as 'Non-Add' when Roll-Up Overhead is selected), expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser.
ProjectGRESpecifyGA	wInsight Export Show Total G&A — Calculates the total overhead including G&A costs (As 'Non-Add' when Roll-Up G&A is selected), expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser.
ProjectGREUserStruct1Code	wInsight Export User Code Structure 1 — Sets the first code used to create a code structure in the Codes tab of the Attribute Browser. The value of this field is expressed as an integer.
ProjectGREUserStruct1Name	wInsight Export User Code Name 1 —Name of the first code structure created in the Codes tab of the Attribute Browser, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProjectGREUserStruct2Code	wInsight Export User Code Structure 2 — Sets the second code used to create a code structure in the Codes tab of the Attribute Browser. The value of this field is expressed as an integer.

Field Name	Description
ProjectGREUserStruct2Name	wInsight Export User Code Name 2 —Name of the second code structure created in the Codes tab of the Attribute Browser, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProjectGREUserStruct3Code	wInsight Export User Code Structure 3 — Sets the third code used to create a code structure in the Codes tab of the Attribute Browser. The value of this field is expressed as an integer.
ProjectGREUserStruct3Name	wInsight Export User Code Name 3 —Name of the third code structure created in the Codes tab of the Attribute Browser, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProjectGREUserStruct4Code	wInsight Export User Code Structure 4 — Sets the fourth code used to create a code structure in the Codes tab of the Attribute Browser. The value of this field is expressed as an integer.
ProjectGREUserStruct4Name	wInsight Export User Code Name 4 —Name of the fourth code structure created in the Codes tab of the Attribute Browser, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
ProjectGRECutoff	wInsight last period for which future data is required, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser.
ProjectEVMSAccept	Earned Value Management System (EVMS) acceptance. The value of this field is set in the Attribute Browser and is presented in Box 3.c of the Format 1-5 reports.
ProjectEVMSAcceptDate	EVMS acceptance date, expressed as a small (2-byte) integer. The value of this field is set in the Attribute Browser and is presented in Box 3.c of the Format 1-5 reports.
ProjectOTBOTSDate	Date project went Over Target Baseline (OTB) and Over Target Schedule (OTS), expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second. The value of this field is set in the Attribute Browser and is presented in Box 5.i of the Format 1 report.
ProjectBurdenCategory1	wInsight Project Burden Category 1 —Name of the first burden category, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.

Field Name	Description
ProjectRollUpBurdenCategory1	wInsight Project Burden Category 1 Roll-Up — Adds the first burden category to each line item. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectShowBurdenCategory1	wInsight Project Show Total for Burden Category 1 — Calculates totals for the first burden category line item (As 'Non-Add' when associated Roll-Up is selected) expressed as a small (2-byte) integer. Expressed as a small (2-byte) integer, this value is set in the Attribute Browser.
ProjectBurdenCategory2	wInsight Project Burden Category 2 —Name of the first burden category, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectRollUpBurdenCategory2	wInsight Project Burden Category 2 Roll-Up — Adds the first burden category to each line item. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectShowBurdenCategory2	wInsight Project Show Total for Burden Category 2 — Calculates totals for the first burden category line item (As 'Non-Add' when associated Roll-Up is selected) expressed as a small (2-byte) integer. Expressed as a small (2-byte) integer, this value is set in the Attribute Browser.
ProjectBurdenCategory3	wInsight Project Burden Category 3 —Name of the first burden category, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectRollUpBurdenCategory3	wInsight Project Burden Category 3 Roll-Up — Adds the first burden category to each line item. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectShowBurdenCategory3	wInsight Project Show Total for Burden Category 3 — Calculates totals for the first burden category line item (As 'Non-Add' when associated Roll-Up is selected) expressed as a small (2-byte) integer. Expressed as a small (2-byte) integer, this value is set in the Attribute Browser.
ProjectBurdenCategory4	wInsight Project Burden Category 4 —Name of the first burden category, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectRollUpBurdenCategory4	wInsight Project Burden Category 4 Roll-Up — Adds the first burden category to each line item. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.

Field Name	Description
ProjectShowBurdenCategory4	wInsight Project Show Total for Burden Category 4 — Calculates totals for the first burden category line item (As 'Non-Add' when associated Roll-Up is selected) expressed as a small (2-byte) integer. Expressed as a small (2-byte) integer, this value is set in the Attribute Browser.
ProjectBurdenCategory5	wInsight Project Burden Category 5 —Name of the first burden category, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectRollUpBurdenCategory5	wInsight Project Burden Category 5 Roll-Up — Adds the first burden category to each line item. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectShowBurdenCategory5	wInsight Project Show Total for Burden Category 5 — Calculates totals for the first burden category line item (As 'Non-Add' when associated Roll-Up is selected) expressed as a small (2-byte) integer. Expressed as a small (2-byte) integer, this value is set in the Attribute Browser.
ProjectBurdenCategory6	wInsight Project Burden Category 6 —Name of the first burden category, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectRollUpBurdenCategory6	wInsight Project Burden Category 6 Roll-Up — Adds the first burden category to each line item. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.
ProjectShowBurdenCategory6	wInsight Project Show Total for Burden Category 6 — Calculates totals for the first burden category line item (As 'Non-Add' when associated Roll-Up is selected) expressed as a small (2-byte) integer. Expressed as a small (2-byte) integer, this value is set in the Attribute Browser.
ProjectBurdenCategory7	wInsight Project Burden Category 7 —Name of the first burden category, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters. The value of this field is set in the Attribute Browser.
ProjectRollUpBurdenCategory7	wInsight Project Burden Category 7 Roll-Up — Adds the first burden category to each line item. Expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, the value of this field is set in the Attribute Browser.

Field Name	Description
ProjectShowBurdenCategory7	wInsight Project Show Total for Burden Category 7 — Calculates totals for the first burden category line item (As 'Non-Add' when associated Roll-Up is selected) expressed as a small (2-byte) integer. Expressed as a small (2-byte) integer, this value is set in the Attribute Browser.
ProjectOtherBurdenMapping1 through ProjectOtherBurdenMapping7	User-defined fields for mapping project burdens between wInsight and Cost Manager in the Information Mapping window, expressed as variable-length, non-Unicode character strings with a maximum length of 255 characters and set in the Attribute Browser. Selects the Burden Category to which an uncategorized burden is to be mapped if a burden is specified.
Project Unique ID	Unique identifier of a project imported from wInsight, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.

Project Summary Table

Field Name	Description
ProjectSummaryID	Unique identifier of a project summary, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ProjectID	Unique identifier of a project in the Project Structure, expressed as an integer. This field cannot contain a NULL value. The value of this field is taken from the Project Table. See "Project Table" on page 138.
OrganizationID	Unique identifier of an organization in the OBS, expressed as an integer. The value of this field is taken from the Organization Table. This field cannot contain a NULL value. See "Organization Table" on page 130.
ResourceID	Unique identifier of a resource, expressed as an integer. The value of the ResourceID is taken from the Burden Table, as the value assigned to the BurdenID becomes the value of the ResourceID. See "Burden Table" on page 77.
Year	Fiscal year of the project summary, expressed as a small (2-byte) integer. This field cannot contain a NULL value.
Period	Fiscal period of the project summary, expressed as a small (2-byte) integer. This field cannot contain a NULL value.
ProjectSummaryOffset	Zero-based index for consumer report start period, expressed as a small (2-byte) integer.
ProjectSummaryValue	Value of the project summary in hours, units, or dollars, expressed as a floating integer.
ProjectSummaryHours	Project summary hours, expressed as a floating integer.
M0	Budget prime value, expressed as a floating integer.
M1	Budget escalation value, expressed as a floating integer.
M2	Burden type 2 (Overhead). Expressed as a floating integer
M3 through M9	Burden type 3-9, expressed as a floating integer.
ProjectIDOrgin	Originating project ID in parent/child roll-up process, expressed as an integer. This field cannot contain a NULL value.
ProjectSummaryStatus	Project summary status, expressed as a small (2-byte) integer.

Rate Table

Field Name	Description
RateTableID	Unique identifier of a Rate Table, also referred to as a root rate, in the Rate Structure, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
PrincipalID	Unique identifier of the principal who receives the rate listed in the Rate Table specified by RateTableID. Expressed as an integer, this value is taken from the Principal Table. See "Principal Table" on page 135.
RateTableIDParent	Unique identifier of the parent Rate Table of the Rate Table specified by the RateTableID, expressed as an integer.
RateTableLevel	Level of the Rate Table specified by the RateTableID in the Rate Structure, expressed as a small (2-byte) integer.
RateTableIsLeaf	Small (2-byte) integer that indicates whether the Rate Table specified by the RateTableID is located at the lowest level of the Rate Structure: 1= Yes, 0= No.
RateTableName	Name of the Rate Table specified by the RateTableID, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
RateTableDescription	Description of the Rate Table specified by the RateTableID, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
RateTableUUID	Universally unique identifier of the rate table specified by the RateTableID, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.

Role Table

Field Name	Description
RoleID	Unique identifier of the role of a resource, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
RoleIDParent	Unique identifier of the parent role of the role specified by the RoleID, expressed as an integer.
RoleType	Role type, expressed as a small (2-byte) integer where 1= Parent, 2= Child.
RoleName	Name of the role, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
RoleDescription	Description of the role, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
RoleStatus	Status of the role, expressed as a small (2-byte) integer.
OperationID	Unique identifier of the operation that affects the role, expressed as an integer. The value of this field is taken from the Operation Table. See "Operation Table" on page 128.

Spread Table

Field Name	Description
SpreadID	Unique identifier of a spread, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
ProjectID	Unique identifier of a project in the Project Structure, expressed as an integer. This field cannot contain a NULL value. The value of this field is taken from the Project Table. See "Project Table" on page 138.
SpreadName	Name of the spread curve, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
SpreadDescription	Description of the spread curve, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.

Spread Point Table

Field Name	Description
SpreadID	Unique identifier of a spread, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
PointX	Value point for the X axis of a report. Expressed as a floating integer.
PointY	Value point for the Y axis. of a report. Expressed as a floating integer.

Task Table

Field Name	Description
TaskID	Unique identifier of a task in the Project Structure, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value. See "Project Table" on page 138.
ProjectID	Unique identifier of the project in the Project Structure, to which the task specified by the TaskID belongs. Expressed as an integer taken from the Project Table, the value of this field cannot be NULL. See "Project Table" on page 138.
TaskName	Name of the task, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskDescription	Description of the task, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskLevel	WBS level of task, expressed as a small (2-byte) integer.
TaskIDParent	Unique identifier of the parent task of the task specified by the TaskID, expressed as an integer.
TaskIsLeaf	Small (2-byte) integer that indicates whether the task is at the lowest level of its branch in the project structure. 1=Yes, 0=No.
TaskIsControlAccount	Small (2-byte) integer that indicates whether the task has been identified as a control account. 1= Yes, 0= No.
TaskWBSDictionary	WBS task definition set for a task in the Attribute Browser, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskDepartmentResponsible	Department or organization responsible for a task, set in the Attribute Browser as a WBS task narrative. The value of this field is expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskManagerResponsible	Manager responsible for the completion of the task, set in the Attribute Browser. The value of this field is expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskIsRecurring	Value defined for a task in the Attribute Browser. Indicates if the task is recurring or non-recurring. The value of this field is expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskFee	Fee associated with a task, expressed as a floating integer that defaults to 0 if no values are assigned.

Field Name	Description
TaskFEELimitAmount	Limitation on the amount charged as a fee for the completion of a task, expressed as a floating integer that defaults to 0 if no values are assigned.
TaskSOW	Statement of Work (SOW) paragraph linked to a task in the Project Structure. This field is set per task in the Attribute Browser. The value of this field is expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskCLIN	Link to a Contract Line Item Number (CLIN), set per task in the Attribute Browser. The value of this field is expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskCLINDescription	Description of the contract line item, set per task in the Attribute Browser. The value of this field is expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters.
TaskCLINQuantity	Quantity associated with the contract line item, set in the AttributeBrowser. The value of this field is expressed as a floating integer.
TaskPerformanceUnits	Floating integer used as the base value for calculating performance for the period.
TaskUser1 through TaskUser10	User defined field, expressed as a variable-length, non-Unicode character string with a maximum length of 255 characters, set in the Attribute Browser.
TaskCompareStatus	Comparison status field expressed as a floating integer that defaults to 0 if no values are assigned.
TaskPin	Single-character, non-Unicode setting that defaults to the letter J if no values are assigned. *Note: In Cost Manager 6.2, this setting is not used.*
TaskSourceValue	Source value of a task expressed as a floating integer that defaults to 0 if no values are assigned. *Note: In Cost Manager 6.2, this setting is not used.*
TaskTargetReprice Percent	Target reprice percentage for task expressed as a floating integer that defaults to 0 if no values are assigned.
TaskTargetRepriceValue	Target reprice value for task expressed as a floating integer that defaults to 0 if no values are assigned.
TaskTargetRepriceMinimum	Target reprice minimum value for task expressed as a floating integer that defaults to 0 if no values are assigned.
TaskLow	Floating integer that designates the status of a task as having a low priority. This value defaults to 0 if no values are assigned.
TaskNominal	Floating integer that designates the status of a task as having a nominal priority. This value defaults to 0 if no values are assigned.

Field Name	Description
TaskHigh	Floating integer that designates the status of a task as having a high priority. This value defaults to 0 if no values are assigned.
TaskRiskScenario	Small (2-byte) integer that indicates whether a task is potentially at risk. The value of this field defaults to 0 if no values are assigned.
TaskSigmaX	Floating integer that indicates the Sigma value of the task The value of this field defaults to 0 if no other values are assigned.
TaskSigmaX2	Floating integer that indicates a second Sigma value of the task. The value of this field defaults to 0 if no other values are assigned.
TaskStatus	Status of a task expressed as an integer. The value of this field defaults to 0 if no other values are assigned.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.
OperationID	Unique identifier of an operation, expressed as an integer. This value is taken from the Operation Table. See "Operation Table" on page 128.
TaskProtected	Integer that indicates if a task is protected. This setting cannot be changed.
TaskNarrative	Task narrative information expressed as a small (2-byte) integer.
TaskIsWorkPackage	Small (2-byte) integer that indicates if the task is a work package. 1=Yes, 0=No.
TaskIsPlanningPackage	Small (2-byte) integer that indicates if a task is a planning package? 1=Yes, 0=No.

Task Code Table

Field Name	Description
TaskCodeID	Unique identifier of a task code, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
TaskID	Unique identifier of a task from the Project Structure, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
CodeID	Unique identifier of a code created in the Code tab of the Attribute Browser, expressed as an integer. This value is taken from the Code Table. See "Code Table" on page 89.
TaskCodeStatus	Status of a task code, expressed as a small integer.
OperationID	Unique identifier of an operation, expressed as an integer. This value is taken from the Operation Table. See "Operation Table" on page 128.

Task Schedule Table

Field Name	Description
TaskID	Unique identifier of a task from the Project Structure, expressed as an integer that defaults to 0 if no values are assigned. The value of this field is taken from the Task Table. See "Task Table" on page 156.
BasisID	Unique identifier of a basis created in the Project Structure, expressed as an integer. The value of this field is taken from the Basis Table. See "Basis Table" on page 68.
TaskStart	Task start date expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second.
TaskFinish	Task end date expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second.
TaskEarnedType	Earned value type expressed as a small (2-byte) integer, where 1 = Value Complete, 2 = Percent complete, 3 = Level of Effort, 4 = Milestone. The default value of this field is 2 if no other value is assigned.
TaskPercentStart	Percentage value earned for starting a task, derived from Attribute Browser, and expressed as a floating integer that defaults to 0 if no value is assigned.
TaskPercentComplete	Percentage value earned for completing a task, derived from the Attribute Browser, and expressed as a floating integer that defaults to 1 if no value is assigned.
TaskStartLag	Lag value applied to the scheduled start date of a task, expressed as a floating integer that defaults to 0 if no value is assigned.
TaskFinishLag	Lag value applied to the scheduled end date of a task, expressed as a floating integer that defaults to 0 if no value is assigned.
OperationID	Unique identifier of an operation affecting the schedule of a task, expressed as an integer and taken from the Operation Table. See "Operation Table" on page 128.
TaskActive	Small (2-byte) integer that indicates if a task is active, in a state of being completed. This value is derived from the Attribute Browser.

Task Summary Table

Field Name	Description
TaskSummaryID	Unique identifier of a task summary expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
BasisID	Unique identifier of a basis in the Project Structure, expressed as an integer. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
OrganizationID	Unique identifier of an organization in the OBS, expressed as an integer. This value is taken from the Organization Table. See "Organization Table" on page 130.
ResourceID	Unique identifier of a resource in the OBS or Rate Structure, expressed as an integer. This value is taken from the Burden Table, where the value of the BurdenID is the same as the value of the ResourceID. See "Burden Table" on page 77.
ChargeCodeID	Unique identifier of a charge code, expressed as an integer. This value is taken from the Charge Code Table. See "Charge Code Table" on page 87
Year	Fiscal year of the summarized task data, expressed as a small (2-byte) integer.
Period	Fiscal period of the summarized task data, expressed as a small (2-byte) integer.
TaskSummaryOffset	Small (2-byte) integer that indicates the task summary offset.
TaskSummaryValue	Floating integer that indicates the value of the task summary, expressed as m0 through m9.
m0 through m9	Task summary values expressed as a floating integer that defaults to 0 if no values are assigned.
TaskIDOrigin	Unique identifier of the origin of a task, expressed as an integer.
TaskSummaryStatus	Status of the task summary, expressed as an integer that defaults to 0 if no values are assigned.
upsize_ts	Timestamp for detecting automatically generated, unique binary numbers in the database.
TaskSummaryHours	Floating integer that indicates the number of hours in the task summary.

Threshold Table

Field Name	Description
ThresholdID	Unique identifier of a threshold, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
BasisID	Unique identifier of a basis in the Project Structure, expressed as an integer. This value is taken from the Basis Table. See "Basis Table" on page 68.
TaskID	Unique identifier of a task in the Project Structure, expressed as an integer. This value is taken from the Task Table. See "Task Table" on page 156.
ThresholdParamenter	Threshold parameter expressed as a small (2-byte) integer.
ThresholdActive	Small (2-byte) integer that indicates if a threshold is active.
ThresholdLowValue	Floating integer that indicates the low value of a threshold.
ThresholdHighValue	Floating integer that indicates the high value of a threshold.
ThresholdStart	Start date of a threshold, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second.
ThresholdFinish	End date of a threshold, expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second.

Workflow Table

Field Name	Description
WorkFlowID	Unique identifier of a workflow, expressed as an incremental, fixed integer with seed and increment values of 1. This field cannot contain a NULL value.
IssueID	Unique identifier of an issue related to a workflow, expressed as an integer. This value is taken from the Issue Table. See "Issue Table" on page 107.
WorkFlowType	Workflow type, expressed as a small (2-byte) integer.
OrganizationID	Unique identifier of an organization in the OBS, expressed as an integer, and taken from the Organization Table. See "Organization Table" on page 130.
OperationID	Unique identifier of an operation, expressed as an integer. The value of this field is taken from the Operation Table. See "Operation Table" on page 128.
WorkFlowDate	Workflow date expressed in the format MM-DD-YYYY, and timestamp in the format HH:MM:SS.xxx, where xxx represents thousandths of a second.

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