



PRIMAVERA

**Connecting E-Business Suite  
Release 15.1**

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# Overview

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Primavera Gateway is an application that facilitates sharing and synchronizing project, resource, and other data between Primavera applications and enterprise applications. By using providers, which are used as a channel to connect with the corresponding software application, Primavera Gateway enables you to combine management and scheduling functionality of Primavera applications with other enterprise software. Providers can reside on either side of a data flow connecting a source application with a destination application.

Using Primavera Gateway, E-Business Suite data can be shared with the following Primavera applications:

- ▶ P6 EPPM
- ▶ Instantis EnterpriseTrack

Integrating E-Business Suite with P6 EPPM enables sharing master data and project data related to activities, resource assignments, and WBS.

Integrating E-Business Suite with Instantis EnterpriseTrack enables sharing project header and project finance related data. Primavera Gateway facilitates the data integration process.

Primavera Gateway facilitates the above integrations by delivering the following providers:

- ▶ EBS provider  
The EBS provider enables you to share data from E-Business Suite application.
- ▶ P6 provider  
The P6 provider enables you to share data from P6 EPPM application.
- ▶ EnterpriseTrack provider  
The EnterpriseTrack provider enables you to share data with E-Business Suite application. For more details on setting up this integration, also see the *Connecting with EnterpriseTrack* guide.

IT professionals or administration personnel who are responsible for setting up the Primavera Gateway and scheduling jobs and synchronizations within your organization should use this guide. This guide describes how to setup the integration environments to enable data exchange with E-Business Suite.



# Setting Up the Integration Environment

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This section describes the how to setup the integration environment in Gateway.

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### Integration Prerequisites

To set up an environment for data exchange through Primavera Gateway, download, install, and configure the following applications:

To connect with P6 EPPM, install:

- ▶ E-Business Suite application
- ▶ Install the database scripts for the EBS provider. For detailed instructions, see the EBSProviderR10\db folder of the EBS provider software download.
- ▶ P6 EPPM application
- ▶ P6 Adapter
- ▶ Primavera Gateway application selecting the P6 and EBS providers

To connect with Instantis EnterpriseTrack, install:

- ▶ E-Business Suite application
- ▶ Install the database scripts for the EBS provider. For detailed instructions, see the <EBSProvider>\EBSProvider\db folder in the EBS provider software download.
- ▶ Instantis EnterpriseTrack application
- ▶ Primavera Gateway application selecting the EnterpriseTrack and EBS providers
- ▶ Load data from <EBSProvider>\EBSProvider\data\etrack folder with the Gateway-Configuration utility:
  - a. Run `Gateway-Configuration.bat/sh`
  - b. Select **Managed Metadata**.
  - c. Select **Update Gateway Metadata**.
  - d. Enter the connection details and data folders.  
For the **Provider** data folder remove all selected folders (if any). Browse to <EBSProvider>\EBSProvider\data\etrack and add the **etrack** folder.
  - e. Test connection, and then **Run**.

For detailed installation instructions, see the Installation and Configuration guide for each product. For specific supported software versions, see the *Tested Configurations* document for each application.

### Post Installation Tasks

This section describes the procedures to perform after you have installed all the necessary products for the integration environment.

#### Additional Primavera Gateway Installation Procedures

Depending on the WebLogic version and the server type (admin or managed) on which Primavera Gateway is installed, ensure you complete the following procedures:

##### For WebLogic 11g on an Admin Server

- ▶ Install ADF
- ▶ Download and execute the RCU utility
- ▶ Extend the domain and then set the following OWSM policies: UT and SAML

##### For WebLogic 12c on an Admin Server

- ▶ Install Oracle middleware infrastructure
- ▶ Execute the RCU utility
- ▶ Extend the domain and then set the following OWSM policies: UT and SAML

##### For WebLogic 12c on a Managed Server

In this case, the domain is already extended by the installer. Set the following OWSM policies: UT and SAML. For detailed instructions on the above procedures, refer to the *Primavera Gateway Manual Deployment Guide*.

#### Setting Up EBS Connectivity through Web Services

To set up EBS connectivity through Web Services from Primavera Gateway:

- 1) Depending on the EBS release, setup the integrated SOA Gateway on EBS:  
For EBS 12.1.3 see Installing Oracle E-Business Suite Integrated SOA Gateway, Release 12 (Doc ID 556540.1).  
For EBS 12.2.4 see Installing Oracle E-Business Suite Integrated SOA Gateway, Release 12.2 (Doc ID 1311068.1).

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**Note:** SOA connectivity to EBS through webservices for Username Token only. So in the SOA Gateway provider, select **Username Token** as the security option.

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- 2) Apply the database schema using the database setup documentation provided with the EBS provider database code.
- 3) Manually generate and deploy the webservices wsdl for the EBS APIs. For more details, see *Appendix A - Setting up SOA Web Services* in the *MD.120 P6\_EBS\_Integration* guide delivered with the EBS provider.



### Extending WebLogic Domain for Web Services Connectivity

Extend the WebLogic domain with JRF and OWSM for Primavera Gateway to connect to EBS using web services through SOA Gateway as follows:

- 1) Open a terminal window and run the WebLogic configuration utility:

On Windows: `cd <WEBLOGIC_HOME>\wls_server_10.3\common\bin`  
`run config.bat`

On Linux and Solaris: `cd <WEBLOGIC_HOME>/wls_server_10.3/common/bin`  
`./config.sh`

- 2) On the **Welcome** screen, select **Extend an existing WebLogic domain**, select **Next**.

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**Note:** Select **Next** to advance to the next screen.

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- 3) On the **Select a Weblogic Domain Directory** screen, select the existing Gateway domain. By default, displays **PrimaveraGateway**.

- 4) On the **Select Extension Source** screen, select the following:

On WebLogic 12c, select:

- ▶ **Oracle Enterprise Manager**
- ▶ **Oracle WSM Policy Manager**
- ▶ **Oracle JRF**

On WebLogic 11g, select:

- ▶ **Oracle WSM Policy Manager**
- ▶ **Oracle JRF**

- 5) On the **Specify Domain Name** screen, select **Next**.
- 6) On the **JDBC Component Schema** screen, select the **OWSM MDS** Schema and review the following information:
  - ▶ **Vendor:** Oracle
  - ▶ **Driver:** Oracle's Driver (Thin) for Service Connections
  - ▶ **Version:** Enter the Oracle version number
  - ▶ **Schema Owner:** The owner of the OWSM MDS Schema.
  - ▶ **Schema Password:** The password for the schema.
  - ▶ **DBMS/Service:** The associated DBMS/ Service name
  - ▶ **Host Name:** The server name for the OWSM schema.
  - ▶ **Port:** The port number for the server. By default, it is 1521.
- 7) On the **JDBC Component Schema** screen, if the connection test passes, select **Next**.
- 8) On the **Select Optional Configuration**, select **Next**.
- 9) On the **Configuration Summary** screen, select **Extend**.
- 10) When complete, select **Done**.

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**Note:** When you extend the domain the **Dname** option must be added back.

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### Setting up EBS Connectivity through RMI

To set up EBS connectivity through RMI from Primavera Gateway:

- 1) Generate a dbc (db connectivity) file in EBS specific to the Primavera Gateway IP.  
For detailed instructions refer to the following topics in the *Oracle E-Business Suite Software Development Kit for Java* (includes AppsDataSource, Java Authentication and Authorization Service, session management) Readme: Patch 13882058 (Doc ID 974949.1) on Oracle Support.
  - ▶ Register the External Node and Generate the Desktop DBC File
  - ▶ Set Up Necessary Oracle E-Business Suite Users
- 2) Copy the generated dbc file from EBS to a Gateway server directory. Make a note of the Gateway server directory name and location. You will need this when adding an EBS deployment in the Gateway user interface.


### Configuring the Gateway User Interface

#### Configuring Primavera Gateway Settings

Use the Settings dialog box to configure Primavera Gateway settings such as the Help location or whether to create new code values during synchronization. The settings available in this dialog box may vary depending on the specific providers Primavera Gateway is currently using.

The following settings must be configured for a Primavera Gateway deployment.

To configure the settings:

- 1) Select  **Settings** and select **Settings**.
- 2) Update the settings as necessary and select **Save** when finished.

On the **General** tab:

- ▶ **Help URL:** The Oracle Technology Network (OTN) Help location is [http://docs.oracle.com/cd/58855\\_01/help/en/index.html](http://docs.oracle.com/cd/58855_01/help/en/index.html). The Help URL field defaults to the OTN Help if you selected to use the OTN Help during install. The local Help location is <http://<hostname>:<port>/gatewayhelp>. The Help URL field defaults to the local Help location if you installed the local Help during install.
- ▶ **Maximum number of job logs to display:** Enter a value to control the number of logs displayed on the Monitoring page.
- ▶ **Maximum wait time for the parallel load/convert steps to complete (in minutes):** Enter the number of minutes after which a synchronization job process is to be timed out. By default, the duration is set to **30** minutes. The job status of a timed-out synchronization is set to **Failed**.
- ▶ **Maximum concurrent jobs in a node:** Enter the maximum number of jobs that can be executed concurrently at a node.
- ▶ **Job Polling Interval (in seconds):** Enter the wait time interval in seconds to check the database if there are new jobs to run.

On the **P6** tab:

- ▶ **Create new resource code values during synchronization to P6:** Select this option to enable the creation of new resource code values in the P6 EPPM resource code dictionary if these values do not already exist.
- ▶ **Create new project code values during synchronization to P6:** Select this option to enable the creation of new project code values in the P6 EPPM project code dictionary if these values do not already exist.
- ▶ **Create new activity code values during synchronization to P6:** Select this option to enable the creation of new global activity code values in the P6 EPPM activity code dictionary if these values do not already exist.
- ▶ **Include time zone when exporting from P6:** Select this option to export P6 server time zone information along with P6 date and time fields. By default, this option is **not** selected, except for spread interval data in P6.

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**Note:** This setting applies only for a P6 - Prime integration.

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- ▶ **Update activity resource assignments when assigned UDF values match:** Enter the UDF code value that is assigned to resource assignments which you want to update during a synchronization. Use this to update the resource assignment with the matching UDF value when the assignment exists multiple times on an activity.
- ▶ **Maximum wait time for the summarizer to complete (in seconds):** Enter the amount of time in seconds to wait for the summarizer to complete before a warning is given.

On the **Mail Configuration** tab:

- ▶ **SMTP Server:** Enter the SMTP server address of your email server.
- ▶ **Port Number:** Enter the port number of your email server.
- ▶ **Email Security:** Select the applicable email security type.
- ▶ **Email Address:** Enter the email address for the user who set up Primavera Gateway.
- ▶ **Authorized User:** Enter the user name for this email account.
- ▶ **Password:** Enter the password for the authorized user.
- ▶ **Bounce Email Address:** Enter an alternate email address to be used if mail fails to be delivered to the first email address.

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### Adding an Application Deployment Connection

To move data between applications, you must first add application deployment connections for E-Business Suite and P6 EPPM so Primavera Gateway knows where to get and send information.

To add an application deployment connection you must specify the **Endpoint** URL for each application:

- 1) Login to Primavera Gateway with administration credentials.
- 2) Select **Configuration**.
- 3) Select **Deployments**.
- 4) Select **Add** to invoke the **Add Deployment** wizard.
- 5) In the **General** tab, name the deployment and select **Next**.

- 6) In the **Deployment** tab, set up EBS connectivity from Gateway choosing any of the three methods listed below:

To connect Primavera Gateway with EBS using JDBC:

- ▶ **EBS Database JDBC Connect String:** Enter the JDBC connect string to the EBS database.
- ▶ **EBS Database User Name:** Enter the name of the EBS database administrator.
- ▶ **EBS Database Password** field, enter the administrator password for the EBS database.

To connect Primavera Gateway with EBS using RMI:

- ▶ **EBS Application User Name for RMI Connection:** Enter the name of the user using RMI connection in EBS.
- ▶ **EBS Application Password for RMI Connection:** Enter the password of the user having RMI connection in EBS.
- ▶ **DBC file location on Gateway server for RMI Connection:** Enter the location of the dbc file on the Gateway server that was generated from the procedure ***Setting up EBS Connectivity through RMI*** (on page 10).

To connect Primavera Gateway with EBS using web services through SOA Gateway:

- ▶ Set **Enable Web Service Connection to EBS** as **True**.
- ▶ **EBS Web Service User Name:** Enter the name of the Web Services user.
- ▶ **EBS Web Service Password:** Enter the password of the Web Services user.
- ▶ **EBS Web Service NLS Language:** Enter the NLS language used for Web Services.
- ▶ **EBS Web Service Organization ID:** Enter the organization ID using Web Services connection.
- ▶ **EBS Web Service Responsibility Application:** Enter the name of the responsibility application.
- ▶ **EBS Web Service Responsibility:** Enter Responsibility key which uniquely identifies the Responsibility name.
- ▶ **EBS Web Service Security Group:** Enter the name of the Web Services security group.

- 7) Select **Save**.

# Connecting with P6 EPPM

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This chapter describes the business flows, field mapping templates, and parameters supported in Primavera Gateway for exchanging data between E-Business Suite and P6 EPPM applications.

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## Supported Business Flows

This section describes the business flows supported in Primavera Gateway for data integration between Oracle E-Business Suite and P6 EPPM applications.

### Importing Master Data from EBS to P6

To import master data from E-Business Suite to P6, you can use the following default templates. You can also create your own if these templates don't fit your needs.

#### Default Business Flow

Use the **Import Global Data** business flow to import the following objects to P6 EPPM:

- ▶ Import the Resource object using the field mapping template, "Resource Fields"
- ▶ Import the ResourceRate object using the field mapping template, "Resource Rates"
- ▶ Import the Role object using the field mapping template, "Role Fields"
- ▶ Import the RoleRate object using the field mapping template, "Role Rates"
- ▶ Import the ExpenseCategory object using the field mapping template, "Expense Category Fields"
- ▶ Import the FinancialPeriod object using the field mapping template, "Financial Period Fields"

#### Default Source Application Parameters

Unless specified, the following source application parameters are hidden by default. You can change the default settings:

- ▶ **Project Resource Lists** (Required)  
Use this setting to define multiple Planning Resource Lists (PRLs) Name as comma-separated values.
- ▶ **Exclude Material Resources from Import** (Optional)  
Use this setting to determine if material resources are to be excluded in the import.

### Default Destination Application Parameters

The following destination application parameters are available by default. Users with the Gateway administrator role can access and view all hidden parameters. You can also change these settings.

---

**Note:** Unless specified in parentheses, all parameters listed below are hidden from a non-administration user.

---

- ▶ **Resource Destination** (Required)  
Use this setting to specify the location of the resource objects imported into P6.
- ▶ **Role Destination** (Required)  
Use this setting to specify the location of the role objects imported into P6.
- ▶ **Calculate Costs from Units**  
Use this setting to determine whether to calculate costs from the units.
- ▶ **Auto-compute actuals**  
Use this setting to determine whether the actuals are to be auto-computed.
- ▶ **Save data to P6 if there are errors**  
Use this setting to determine whether to save the imported data in P6 with errors.

### Importing Project Data from EBS to P6

To import project data from E-Business Suite to P6, you can use the following default templates in the Gateway user interface. You can also create your own if these templates don't fit your needs.

#### Default Business Flow

Use the **Import project from EBS** default business flow to import the following objects into P6 EPPM with the appropriate default field mapping template:

- ▶ Import the Resource object using the field mapping template, "Resource Fields"
- ▶ Import a Project object using the field mapping template "Project Header Mappings".
- ▶ Import the WBS object using the field mapping template "WBS Field Mapping".
- ▶ Import the Activity object with activity mappings using the field mapping template "Activity Mapping"
- ▶ Import the Resource Assignments object using the field mapping template "Assignment Mapping"
- ▶ Import the Relationship object using the field mapping template "Activity Relationship Fields".

### Default Source Application Parameter Settings

The following source parameters are available by default. Users with the Gateway administrator, role can access and view all hidden parameters. You can also change these settings.

---

**Note:** Unless specified in parentheses, all parameters listed below are hidden from a non-administration user.

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▶ **ERP Project filter**

Use this setting to specify the object, fields, and values to be imported from EBS.

▶ **Project Plan**

Use this setting to select the project plan structure to import to P6. Options include: Work Plan, Financial Plan.

▶ **Plan Versions**

Use this setting to select the plan version to import to P6. Options include: **All**, **Current Working**, **Current Baselined**, and **Original**.

▶ **Import Leaf Level Task as Activity**

Use this setting to determine whether to import leaf level tasks as an Activity or WBS from EBS.

▶ **Create Material Resources Only**

Use this setting to determine whether to create only material resources class or all resource classes from EBS.

▶ **Primavera Calendar Working Hours**

Use this setting to specify the Project Calendar working hours per day in the Primavera application.

### Default Destination Application Parameter Settings

The following destination application parameters are available by default. Users with the Gateway administrator role can access and view all hidden parameters. You can also change these settings.

---

**Note:** Unless specified in parentheses, all parameters listed below are hidden from a non-administration user.

---

▶ **EPS Location** (Required)

Use this setting to define the EPS node where the imported projects from EBS are to be created in P6.

▶ **Resource Destination** (Required)

Use this setting to define the resource ID where the imported resources from EBS are to be created in P6. Enter the location in the destination provider where the resource object is to be created.

▶ **Role Destination** (Required)

Use this setting to define the role ID where the imported roles from EBS are to be created in P6. Enter the location in the destination provider where the role object is to be created.

▶ **Calculate costs from units**

Use this setting to determine whether to calculate costs from the units.

▶ **Auto Compute Actuals**

Use this setting to determine whether the actuals are to be auto-computed.

▶ **Delete data that no longer exists in 3rd party application?**

Use this setting to determine whether data that no longer exists in a third-party application can be deleted.

- ▶ **Schedule project(s) after synchronization?**

Use this setting to determine whether to schedule projects after a synchronization.

- ▶ **Summarize project(s) after synchronization?**

Use this setting to determine whether to summarize projects after a synchronization.

- ▶ **Save data to P6 if there are errors**

Use this setting to determine whether to save the data in P6 with errors.

- ▶ **Synchronize one project at a time**

Use this setting to determine whether to synchronize one project at a time.

### Exporting Project Data from P6 to EBS

To export project data from P6 to E-Business Suite, you can use the following default templates in the Gateway user interface. You can also create your own if these templates don't fit your needs.

#### Default Business Flow

Use the **Export Project from P6** default business flow to export the following objects from P6 EPPM with the appropriate default field mapping template after the name:

- ▶ Export a project object using the field mapping template, "Project Header Mappings"
- ▶ Export a WBS object using the field mapping template, "WBS Field Mappings"
- ▶ Export an Activity object using the field mapping template, "Activity Mapping"
- ▶ Export a Relationship object using the field mapping template, Activity Relationship Fields
- ▶ Export a Resource Assignment object using the field mapping template, "Assignment Mapping"

#### Default Source Application Parameters

The following source parameters are available by default. Users with the Gateway administrator, role can access and view all hidden parameters. You can also change these settings.

---

**Note:** Unless specified in parentheses, all parameters listed below are hidden from a non-administration user.

---

- ▶ **P6 Filter** (Required)

Use this setting to specify the object, fields, and values to be exported from P6. Field options include, Project IDs, EPS IDs, Project Code Type Name, and Project Code Value.

- ▶ **Activity Filter**

Use this setting to specify the object, fields, and values to be exported from P6. Field options include, Activity IDs, Activity Status, Activity Type, Activity Code.

- ▶ **Resource Assignment Filter**

Use this setting to specify the object, fields, and values to be exported from P6. Field options include, **Resource IDs**, and **Resource Type**.



▶ **Spread Period Type**

Use this setting to select the default spread period type to be exported from P6. Options include, **Week**, **Month**, **Day**, and **Financial Period**.

▶ **Baseline IDs**

Use this setting to specify multiple baseline IDs to be exported from P6 as comma-separated values.

▶ **Summarize project(s) before synchronization?**

Use this setting to determine whether to summarize the projects before synchronizing the data from P6.

▶ **Synchronize WBS Hierarchy**

Use this setting to select WBS Hierarchy from the list which needs to be synchronized from P6. Options include: **Complete**, **Partial**, and **Levels**.

### Default Destination Application Parameters

The following destination application parameters are available by default. Users with the Gateway administrator role can access and view all hidden parameters. You can also change these settings.

---

**Note:** Unless specified in parentheses, all parameters listed below are hidden from a non-administration user.

---

▶ **Save data to EBS if there are errors**

Use this setting to determine whether to save the data in EBS with errors.

▶ **Delete data that no longer exists in Source application?**

Use this setting to determine whether data that no longer exists in the source application can be deleted.

▶ **Project Plan**

Use this setting to select the project plan. Options include, Work Plan and Financial Plan.

▶ **Export Activity as Leaf Level Task**

Use this setting to determine whether the activities can be exported as leaf level tasks or top level tasks in EBS.

▶ **Primavera Calendar Working Hours (8 by default)**

Use this setting to specify the Project Calendar working hours per day in the Primavera application.

▶ **Project / Project Template Number (Required only for project creation)**

Use this setting to specify the existing project or project template number only while creating a new project in EBS from P6.

▶ **Project Organization Name (Required only for project creation)**

Use this setting to specify project organization name only while creating a new project in EBS from P6.

▶ **Planning Resource List (Required only for Resource Assignments)**

Use this setting to specify the planning resource list name while synchronizing resource assignments from P6, and if the project has been created in P6.

► **Budget Type (Required only for Exporting Financial Plan)**

Use this setting to specify a budget type or financial plan type as per EBS Project Accounting to transfer budgets from P6 to EBS.

► **Budget Entry Method (Required only for Exporting Financial Plan)**

Use this setting to specify a budget entry methods budgets are created in project costing from P6 to EBS.

## Supported Field Mapping Templates

The following tables show the field mappings supported in each field mapping template. Select the appropriate flow type, object, field mapping template, and corresponding synchronization in Primavera Gateway to share data between applications:

### Project Header Mappings

This field mapping template can be used in an **import project data** and an **export project data** business flow to create a new project object in the destination application. The following fields are mapped in each application:

EBS	P6
SEGMENT1	Id
NAME	Name
DESCRIPTION	Description
SCHEDULED_START_DATE	PlannedStartDate
SCHEDULED_FINISH_DATE	MustFinishByDate
BUDGET_ORIGINAL_COST	EBSBudgetOriginalCost
BUDGET_PROPOSED_COST	EBSBudgetProposedCost
BUDGET_CURRENT_COST	EBSBudgetCurrentCost
BUDGET_ORIGINAL_QUANTITY	EBSBudgetOriginalQuantity
BUDGET_PROPOSED_QUANTITY	EBSBudgetProposedQuantity
BUDGET_CURRENT_QUANTITY	EBSBudgetCurrentQuantity
BUDGET_VERSION_NUMBER	EBSBudgetVersionNumber
BUDGET_VERSION_NAME	EBSBudgetVersionName
BUDGET_STATUS_CODE	EBSBudgetStatusCode
PROJECT_STATUS_CODE	EBSProjectStatus
PROJECT_TYPE	EBSProjectType
PROJECT_ORGANIZATION	EBSProjectOrgName
CALENDAR_WORKING_HOURS	EBSCalendarWorkingHours

### Activity Relationship Fields

This field mapping template can be used in the **import project data** and **export project data** business flows to create a Relationship object in the destination application. The following fields are mapped in each application.

EBS	P6
TO_PROJECT_NUMBER	PredecessorProjectId
FROM_PROJECT_NUMBER	SuccessorProjectId
TO_TASK_NUMBER	PredecessorActivityId
FROM_TASK_NUMBER	SuccessorActivityId
RS_SUBTYPE_CODE	Type
LAG	Lag

### Activity Mapping

This field mapping template can be used in the **import project data** and **export project data** business flows to create an Activity object with activity mappings in the destination application. The following fields will be mapped from each application:

EBS	P6
TASK_NUMBER	Id
PARENT_TASK_NUMBER	WBSCode
SCHEDULED_FINISH_DATE	PlannedFinishDate
TASK_NAME	Name
DATA_DATE	DataDate
PERCENT_COMPLETE	PercentComplete
SCHEDULED_START_DATE	PlannedStartDate
ACTIVITY_TYPE	Type
BUDGET_ORIGINAL_COST	EBSBudgetOriginalCost
BUDGET_PROPOSED_COST	EBSBudgetProposedCost
BUDGET_CURRENT_COST	EBSBudgetCurrentCost
BUDGET_ORIGINAL_QUANTITY	EBSBudgetOriginalQuantity
BUDGET_PROPOSED_QUANTITY	EBSBudgetProposedQuantity
BUDGET_CURRENT_QUANTITY	EBSBudgetCurrentQuantity
BUDGET_VERSION_NUMBER	EBSBudgetVersionNumber
BUDGET_VERSION_NAME	EBSBudgetVersionName

EBS	P6
BUDGET_STATUS_CODE	EBSBudgetStatusCode

### Assignment Mapping

This field mapping template can be used in an **import project data** and **export project data** business flow to create a Resource Assignment object with Assignment mappings in the destination application. The following fields will be mapped from each application.

EBS	P6
RESOURCE_CLASS_CODE	ResourceType
TASK_NUMBER	ActivityId
PLANNED_EFFORT	PlannedUnits
IS_PRIMARY_RESOURCE	IsPrimaryResource
RESOURCE_NUMBER	ResourceId
ROLE_NUMBER	RoleId
BUDGET_ORIGINAL_COST	EBSBudgetOriginalCost
BUDGET_PROPOSED_COST	EBSBudgetProposedCost
BUDGET_CURRENT_COST	EBSBudgetCurrentCost
PLANNED_COST	PlannedCost
BUDGET_ORIGINAL_QUANTITY	EBSBudgetOriginalQuantity
BUDGET_PROPOSED_QUANTITY	EBSBudgetProposedQuantity
BUDGET_CURRENT_QUANTITY	EBSBudgetCurrentQuantity
BUDGET_VERSION_NUMBER	EBSBudgetVersionNumber
BUDGET_VERSION_NAME	EBSBudgetVersionName
BUDGET_STATUS_CODE	EBSBudgetStatusCode
ACTUAL_QUANTITY	ActualUnits
ACTUAL_COST	ActualCost

### WBS Field Mapping

This field mapping template can be used in the **import project data** and an **export project data** business flows to create a new WBS object in the destination application. The following fields are mapped in each application:

EBS	P6
TASK_NUMBER	Code
TASK_NAME	Name
SCHEDULED_START_DATE	StartDate
SCHEDULED_FINISH_DATE	FinishDate
ACTUAL_START_DATE	SummaryActualStartDate
ACTUAL_FINISH_DATE	SummaryActualFinishDate
BUDGET_ORIGINAL_COST	EBSBudgetOriginalCost
BUDGET_PROPOSED_COST	EBSBudgetProposedCost
BUDGET_CURRENT_COST	EBSBudgetCurrentCost
BUDGET_ORIGINAL_QUANTITY	EBSBudgetOriginalQuantity
BUDGET_PROPOSED_QUANTITY	EBSBudgetProposedQuantity
BUDGET_CURRENT_QUANTITY	EBSBudgetCurrentQuantity
BUDGET_VERSION_NUMBER	EBSBudgetVersionNumber
BUDGET_VERSION_NAME	EBSBudgetVersionNamer
BUDGET_STATUS_CODE	EBSBudgetStatusCode

### Resource Fields

This field mapping template can be used in the **import master data** and **import project data** business flows to create a new resource object in the destination application. The following fields are mapped in the applications:

EBS	P6
RESOURCE_NUMBER	Id
RESOURCE_NAME	Name
RESOURCE_CLASS_CODE	ResourceType
EMAIL_ADDRESS	EmailAddress
EMPLOYEE_NUMBER	EmployeeId
UNIT_OF_MEASURE	UnitofMeasureAbbreviation

### Resource Rates

This field mapping template can be used in an **import master data** business flow to create a new ResourceRate object in the destination application. The following fields will be mapped from each application:

EBS	P6
RATE_START_DATE	EffectiveDate
RATE	PricePerUnit

### Role Fields

This field mapping template can be used in an **import master data** business flow to create a new Role object in the destination application.

EBS	P6
RESOURCE_NUMBER	Id
JOB_NAME	Name

### Role Rates

This field mapping template can be used in an **import master data** business flow to create a new RoleRate object in the destination application.

EBS	P6
RATE_START_DATE	EffectiveDate
RATE	PricePerUnit

### Expense Category Fields

This field mapping template can be used in an **import master data** business flow to create a new ExpenseCategory object in the destination application.

EBS	P6
EXPENDITURE_TYPE	Name

### Financial Period Fields

This field mapping template can be used in an **import master data** business flow to create a new FinancialPeriod object in the destination application.

EBS	P6
PERIOD_NAME	Name
END_DATE	EndDate

<b>EBS</b>	<b>P6</b>
START_DATE	StartDate





# Connecting with Instantis EnterpriseTrack

Project header and project finance data, including budget / actual data can be exchanged with the Instantis EnterpriseTrack application. This chapter describes the business flows, field mapping templates, and parameters supported in Primavera Gateway for exchanging data between E-Business Suite and Instantis EnterpriseTrack applications.

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## Supported Business Flows

The following business flows are supported in Primavera Gateway for integrating data between E-Business Suite and Instantis EnterpriseTrack applications.

## Importing Project Data to Instantis EnterpriseTrack

To import project data from E-Business Suite to Instantis EnterpriseTrack, you can use the following default templates in the Gateway user interface. You can also create your own if these templates don't fit your needs.

### Default Business Flow

Use the **Import Project from EBS** default business flow to import the following objects to EnterpriseTrack with the appropriate default field mapping template:

- ▶ Import a Project object using the field mapping template “EnterpriseTrack Project Mapping”.
- ▶ Import a ProjectFinance object using the field mapping template “EnterpriseTrack ProjectFinance Mapping”.
- ▶ Import a ProjectFinanceElement object using the field mapping template, "EnterpriseTrack ProjectFinanceElement Mapping".

### Default Source Application Parameter Settings

The following source parameters are available by default. Users with the Gateway administrator, role can access and view all hidden parameters. You can also change these settings.

---

**Note:** Unless specified in parentheses, all parameters listed below are hidden from a non-administration user.

---

▶ **ERP Project filter (Required)**

Use this setting to specify the object, fields, and values to be imported from EBS.

▶ **Project Plan**

Use this setting to select the project plan structure to import to EnterpriseTrack. Options include, Work Plan and Financial Plan.

▶ **Import Leaf Level Task as Activity**

Use this optional setting to determine whether to import leaf level tasks as an Activity or WBS from EBS.

▶ **Primavera Calendar Working Hours (optional)**

Use this setting to specify the project calendar working hours per day in the application.

▶ **Plan Versions**

Use this setting to specify the budget type applied for the project. Options include: All, Current Working, Current Baselined, and Original.

### Default Destination Application Parameter Settings

The following destination application parameters are available by default. Users with the Gateway administrator role can access and view all hidden parameters. You can also change these settings.

---

**Note:** Unless specified in parentheses, all parameters listed below are hidden from a non-administration user.

---

▶ **EnterpriseTrack Project ID**

Use this setting to specify the project ID to be created in Instantis EnterpriseTrack from E-Business Suite.

▶ **EnterpriseTrack Project Name**

Use this setting to specify the project name to be updated in Instantis EnterpriseTrack from E-Business Suite.

▶ **EnterpriseTrack Project Sub Object**

Use this setting to specify additional objects that are to be created with a Project business object in EnterpriseTrack. Options include:

- ▶ Project Metadata
- ▶ Project Finance Structure
- ▶ Project Finance Current
- ▶ Project Finance Snapshot

- ▶ **EnterpriseTrack Mandatory Roles (Separated list. Required only for project creation)**  
Use this setting to specify the user roles only when creating a new project in EnterpriseTrack from E-Business Suite.
- ▶ **EnterpriseTrack Login IDs of Mandatory Roles (Separated list. Required only for project creation)**  
Use this setting to specify the login IDs only when creating a new project in EnterpriseTrack from E-Business Suite.
- ▶ **EnterpriseTrack Project Finance Snapshot Name (Required only for project finance snapshot import)**  
Use this setting to specify the name of the ProjectFinanceSnapshot object. Specify this parameter only if you select ProjectFinanceSnapshot as a sub-object above.
- ▶ **Synchronize one project at a time**  
Use this setting to determine whether to synchronize one project at a time.

### Exporting Project Data from Instantis EnterpriseTrack

To export project data from Instantis EnterpriseTrack to E-Business Suite, you can use the following default templates in the Gateway user interface. You can also create your own if these templates don't fit your needs.

#### Default Business Flow

Use the **Export Project Data** default business flow to export the the following objects to E-Business Suite with the appropriate default field mapping template:

- ▶ Export a **Project** object using the field mapping template "EnterpriseTrack Project Mapping".
- ▶ Export a **ProjectFinance** object using the field mapping template "EnterpriseTrack ProjectFinance Mapping".
- ▶ Export a **ProjectFinanceElement** object using the field mapping template, "EnterpriseTrack ProjectFinanceElement Mapping".

#### Default Source Application Parameters

The following source parameters are available by default. Users with the Gateway administrator, role can access and view all hidden parameters. You can also change these settings.

**Note:** Unless specified in parentheses, all parameters listed below are hidden from a non-administration user.

- ▶ **EnterpriseTrack Project ID**  
Use this setting to specify the Instantis EnterpriseTrack project ID to be exported to E-Business Suite.
- ▶ **EnterpriseTrack Project Name**  
Use this setting to identify the project to be exported from Instantis EnterpriseTrack by the project name.
- ▶ **Finance Data Search Mode (M for Monthly / Y for Yearly / A for Aggregate)**  
Use this setting to select the time length of the finance data.

### ▶ **EnterpriseTrack Project Sub Object**

Use this setting to specify additional objects that are to be exported with a Project business object from EnterpriseTrack. Options include:

- ▶ Project Metadata
- ▶ Project Finance Structure
- ▶ Project Finance Current
- ▶ Project Finance Snapshot

### ▶ **From Month (YYYY/MM Format)**

Use this setting to specify the start year and month to export data.

### ▶ **EnterpriseTrack Project Finance Snapshot Name (Required only for project finance snapshot import)**

Use this setting to specify the name of the Project Finance Snapshot object. Specify this parameter only if you select Project Finance Snapshot as a sub-object above.

### ▶ **To Month (YYYY/MM Format)**

Use this setting to specify the end year and month to export data.

### ▶ **From Year (YYYY Format)**

Use this setting to specify the start year to export data.

### ▶ **To Year (YYYY Format)**

Use this setting to specify the end year to export data.

### ▶ **Group Name (Use \* if you need data for all groups)**

Use this setting to specify groups to be exported from EnterpriseTrack.

### ▶ **Category Name (Use \* if you need data for all groups)**

Use this setting to specify Category Names to be exported from EnterpriseTrack.

### ▶ **Element Name (Use \* if you need data for all groups)**

Use this setting to specify Element Names to be exported from EnterpriseTrack.

## Default Destination Application Parameters

The following destination application parameters are available by default. Users with the Gateway administrator role can access and view all hidden parameters. You can also change these settings.

---

**Note:** Unless specified in parentheses, all parameters listed below are hidden from a non-administration user.

---

### ▶ **Save data to EBS if there are errors**

Use this setting to determine whether to save the data in EBS with errors.

### ▶ **Delete data that no longer exists to source application?**

Use this setting to determine whether data that no longer exists in the source application can be deleted.

### ▶ **Project Plan**

Use this setting to specify the Project Plan. Options include, Work Plan and Financial Plan.

► **Export Activity as Leaf Level Task**

Use this setting to determine whether the activities can be exported as leaf level tasks or top level tasks in EBS.

► **Primavera Calendar Working Hours (8 by default)**

Use this setting to specify the Project Calendar working hours per day in the Primavera application.

► **Project / Project Template Number (Required only for project creation)**

Use this setting to specify the Project or Project Template Number. Specify this parameter if there is no field mapping.

► **Project Organization Name (Required only for project creation)**

Use this setting to specify the Project Organization Name. Specify this parameter if there is no field mapping.

► **Planning Resource List (Required only for Resource Assignments)**

Use this setting to specify the Planning Resource List Name. Specify this parameter if there is no field mapping.

► **Budget Type (Required only for Exporting Financial Plan)**

Use this setting to specify a budget type or financial plan type for each EBS Project Accounting to transfer the budgets from EnterpriseTrack to EBS.

► **Budget Entry Method (Required only for Exporting Financial Plan)**

Use this setting to specify a Budget entry method when budgets are created in Project Costing from EnterpriseTrack to EBS.

## Supported Field Mapping Templates

The following tables show the field mappings supported in each field mapping template. Select the appropriate flow type, object, field mapping template, and corresponding synchronization in Primavera Gateway to share data between EBS and EnterpriseTrack:

### EnterpriseTrack Project Mapping

This field mapping template can be used in **import project data** and **export project data** business flows to create a new project object in the destination application. The following fields are mapped in each application:

<b>EBS</b>	<b>EnterpriseTrack</b>
NAME	project_name
CARRYING_OUT_ORGANIZATION_NAME	business_unit
PROJECT_ORGANIZATION	division
PROJECT_TYPE	project_type
PROJECT_TYPE	roadmap
PROJECT_START_DATE	start_date
COMPLETION_DATE	planned_realization

<b>EBS</b>	<b>EnterpriseTrack</b>
PROJECT_ATTRIBUTE1	fintemplateid
PROJECT_ATTRIBUTE2	currency_code
PROJECT_ATTRIBUTE3	calendar_id
DESCRIPTION	keywords
CITY	location
REGION	region

### EnterpriseTrack ProjectFinance Mapping

This field mapping template can be used in an **import project data** and **export project data** business flows to create a new ProjectFinance object in the destination application. The following fields are mapped in each application:

<b>EBS</b>	<b>EnterpriseTrack</b>
OPERATION_TYPE	operation_type
FIN_EDIT_TYPE	fin_edit_mode
FIN_DATA_TYPE	fin_data_type

### EnterpriseTrack ProjectFinanceElement Mapping

This field mapping template can be used in an **import project data** and **export project data** business flows to create a new ProjectFinanceElement object in the destination application. The following fields are mapped in each application:

<b>EBS</b>	<b>EnterpriseTrack</b>
TASK_LEVEL	element_class
BUD_LINE_BURDENED_COST	value
ELEMENT_TYPE	element_type
TASK_NUMBER	id
PARENT_TASK_NUMBER	parent_id
TASK_ID	sequence_number
TASK_NUMBER	display_name

## Transferring Data Between Applications: Example

---

This example demonstrates how to synchronize data between applications and monitor the data transfer. For more details on Primavera Gateway features and functionality, see the *Primavera Gateway Online Help*.

For this example, assume that you want to export project data from *P6 Deployment* into *EBS Deployment* using a synchronization called *Synchronize Project Data from P6 to Oracle E-Business Suite*. Also assume that you will use the *Import Project Data from Oracle E-Business Suite to P6* business flow.

### Prerequisites

This example assumes that the following prerequisites have been completed:

- ▶ Primavera Gateway is installed and running.
- ▶ An application deployment called *P6 Deployment* has been added to Primavera Gateway.
- ▶ An application deployment called *EBS Deployment* has been added to Primavera Gateway.
- ▶ A business flow called *Import Project Data from Oracle E-Business Suite to P6* has been created to define the flow of data between applications.

### Move Data between Applications

- 1) After you log into Primavera Gateway, select **Synchronizations**.
- 2) Select **Add**.
- 3) In the **Add Synchronization** wizard:
  - a. Select **Import Project Data from Oracle E-Business Suite to P6** from the **Business Flow** list.
  - b. Select **EBS Deployment** from the **Source** list.
  - c. Select **P6 Deployment** from the **Destination** list.
  - d. Select **Next**.
  - e. Modify the synchronizations to include the correct project filter and EPS location.
  - f. Review the parameters and select **Next**.
  - g. Review the Synchronization Summary and select **Save**.
- 4) (Optional) Select the *Synchronize Project Data from Oracle E-Business Suite to P6* synchronization and select **Review**.
- 5) On the **Review Summary**, select a business object to review a list of fields associated with the business object.
- 6) After completing the review, select **Approve** to set up the synchronization, or select **Reject**.
- 7) Select the *Synchronize Project Data from Oracle E-Business Suite to P6* synchronization and select **Run**.

### Monitor a Synchronization Job

After you run the synchronization, you can check to see that it is working properly by finding the synchronization on the Monitoring page.

- 1) Select **Monitoring**.
- 2) In the **Filter** lists, select **All Jobs by Type** and **Import Project Data**. The synchronization jobs will be filtered using these selections.
- 3) Select the **Job** link for **Synchronize Project Data from Oracle E-Business Suite to P6**.
- 4) Select **Convert from Source to Gateway format** and then select **Gateway Format**. Data for this flow step, including information if there is a failure, will display.
- 5) Select **Close**.

### Edit a Synchronization Job Schedule

After monitoring the synchronization job, if you are satisfied with the synchronization, you can schedule times when the synchronization will run.

- 1) Select **Synchronizations**.
- 2) Select the **Synchronize Project Data from Oracle E-Business Suite to P6** synchronization and select **Edit Schedule**.
- 3) In the **Edit Schedule** wizard, schedule a date and time when the synchronization will be run:

---

**Note:** Synchronizations can also be run on demand by selecting the synchronization and selecting **Run**.

---

- a. Select **Weekly** from the **Frequency** list.
- b. Select **Tuesday** from the list of weekdays.
- c. Enter 03/04/2015 15:00 in the **Starts** field.  
Time should be entered in a twenty-four hour format.
- d. Select the **End after occurrence(s)** option and enter 8 in the field.

---

**Note:** You can disable a preexisting schedule by clicking **Disable** in the Edit Schedule wizard. To enable a disabled schedule, click **Enable** in the Edit Schedule wizard.

---

- e. Select **Save**.



# For More Information

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## Where to Get Documentation

Complete documentation libraries for Primavera Gateway releases are available on the Oracle Technology Network (OTN) at:

<http://www.oracle.com/technetwork/documentation/default-1923957.html>

From this location you can either view libraries online or download them to have local copies. We recommend viewing them from OTN to ensure you always access the latest versions, including critical corrections and enhancements.

Primavera Gateway is configured to access its help system on OTN. However, you can also install a local version when you install the software.

The documentation assumes a standard setup of the product, with full access rights to all features and functions.

The following table describes the core documents available for Primavera Gateway and lists the recommended readers by role.

Title	Description
<i>Gateway Help</i>	Describes how to work with Primavera Gateway and provides information to help users accomplish tasks. All users should read the Help.
<i>Gateway Developer's Guide</i>	Provides information on how third-party systems such as enterprise resource management (ERP) and enterprise asset management (EAM) systems can create their own providers in order to integrate with Primavera products. Developers of third-party providers that integrate with Primavera products via Primavera Gateway should read this book.


Title	Description
<i>Gateway Customization Guide</i>	<p>Provides information on how to customize an existing third-party integration.</p> <p>Developers interested in customizing existing third-party providers that integrate with Primavera products via Primavera Gateway should read this book.</p>
<i>Gateway Provider Reference Guide</i>	<p>Provides a list of the business objects available for each supported provider.</p> <p>Developers of third-party providers that integrate with Primavera products via Primavera Gateway should read this book.</p>
<i>EBS Provider Reference Guide</i>	<p>Provides a list of the business objects available for the EBS provider.</p> <p>Developers of third-party providers that integrate with Primavera products via Primavera Gateway should read this book.</p>
<i>VCP Provider Reference Guide</i>	<p>Provides a list of the business objects available for the VCP provider.</p> <p>Developers of third-party providers that integrate with Primavera products via Primavera Gateway should read this book.</p>
<i>Manual Deployment Guide</i>	<p>Provides information on how to manually install and configure Primavera Gateway.</p> <p>The Primavera Gateway network administrator/database administrator and the administrator for the third-party or ERP system should read this guide.</p>
<i>Gateway Installation and Configuration Guide</i>	<p>Provides information on how to install and configure Primavera Gateway. Primavera Gateway is a product that facilitates integrations with Primavera products and third-party systems such as enterprise resource management (ERP) and enterprise asset management (EAM) systems.</p> <p>The Primavera Gateway network administrator/database administrator and the administrator for the third-party or ERP system should read this guide.</p>
<i>Gateway Upgrade Guide</i>	<p>Provides a sequence of procedures that must be completed to upgrade to a new version of Primavera Gateway.</p> <p>The Primavera Gateway network administrator/database administrator and the administrator for the third-party or ERP system should read this guide.</p>

Title	Description
<i>Gateway Performance and Sizing Guide</i>	<p>Provides hardware and software requirements for deploying Primavera Gateway.</p> <p>The Primavera Gateway network administrator/database administrator and the administrator for the third-party or ERP system should read this guide.</p>
<i>Gateway Security Guide</i>	<p>Provides guidelines on establishing a highly secure environment for all Primavera Gateway environments.</p> <p>The Primavera Gateway network administrator/database administrator and the administrator for the third-party or ERP system should read this guide.</p>
<i>Gateway API Programmer's Guide</i>	<p>Provides instructions on how to access and use Primavera Gateway REST APIs.</p> <p>The Primavera Gateway network administrator/database administrator and Primavera Gateway users having the Gateway Developer role should read this guide.</p>
<i>Connecting with Instantis EnterpriseTrack</i>	<p>Provides instructions on how to setup the integration environment for Oracle Instantis EnterpriseTrack in Primavera Gateway.</p> <p>The Primavera Gateway network administrator/database administrator and the administrator for the third-party system should read this guide.</p>
<i>Connecting Prime and P6 EPPM</i>	<p>Provides instructions on how to setup the integration environment between Oracle Primavera Prime and P6 Enterprise Project Portfolio Management in Primavera Gateway.</p> <p>The Primavera Gateway network administrator/database administrator and the administrator for the third-party system should read this guide.</p>
<i>Connecting Unifier and P6 EPPM</i>	<p>Provides instructions on how to setup the integration environment between Oracle Primavera Unifier and P6 Enterprise Project Portfolio Management in Primavera Gateway.</p> <p>The Primavera Gateway network administrator/database administrator and the administrator for the third-party system should read this guide.</p>
<i>Migrating P6 Data Between Distinct Environments</i>	<p>Provides instructions on how to setup the integration environment between distinct P6 deployments to transfer P6 data in Primavera Gateway.</p> <p>The Primavera Gateway network administrator/database administrator and the administrator should read this guide.</p>

Title	Description
<i>Connecting E-Business Suite</i>	Provides instructions on how to setup the integration environments for Oracle E-Business Suite with P6 Enterprise Project Portfolio Management and Instantis EnterpriseTrack in Primavera Gateway. The Primavera Gateway network administrator/database administrator and the administrator for the third-party system should read this guide.
<i>Connecting Value Chain Planning and P6 EPPM</i>	Provides instructions on how to setup the integration environment between Oracle Value Chain Planning and P6 Enterprise Project Portfolio Management in Primavera Gateway. The Primavera Gateway network administrator/database administrator and the administrator for the third-party system should read this guide.
<i>Configuring Gateway for Single Sign On</i>	Provides instructions on how to configure Oracle Access Manager (OAM) and then enable Single Sign On for Primavera Gateway. The Primavera Gateway network administrator/database administrator should read this guide.
<i>Gateway Licensing Information User Manual</i>	Lists licensing information of all third-party software that is used or associated with the Oracle software program.
<i>Tested Configurations</i>	Lists the configurations that have been tested and verified to work with Primavera Gateway. The Primavera Gateway network administrator/database administrator and the administrator for the third-party or ERP system should read this guide.

### Distributing Information to the Team

You can copy the online documentation to a network drive for access by project participants. Each team member can then view or print those portions that specifically relate to his or her role in the organization.

Throughout this documentation, the Security Guidance icon  helps you to quickly identify security-related content to consider during the installation and configuration process.

### Where to Get Training

To access comprehensive training for all Primavera products, go to:

<http://education.oracle.com>

## Oracle Learning Library

The Oracle Learning Library (OLL) provides online learning content covering Primavera products. Content includes videos, tutorials, articles, demos, step-by-step instructions to accomplish specific tasks, and self-paced interactive learning modules.

To access the learning library's Primavera content, go to:

<http://www.oracle.com/goto/oll>

## Where to Get Support

If you have a question about using Oracle products that you or your network administrator cannot resolve with information in the documentation or help, click <http://support.oracle.com/>. This page provides the latest information on contacting Oracle Global Customer Support, knowledge articles, and the support renewals process. For more information about working with Support, visit <https://support.oracle.com/epmos/faces/DocumentDisplay?id=888813.2> to view Support Tools & Tips.

## Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/us/support/contact-068555.html> or visit <http://www.oracle.com/us/corporate/accessibility/support/index.html> if you are hearing impaired.

## Using Primavera's Support Resource Centers

Primavera's Support Resource Center provides links to important support and product information. Primavera's Product Information Centers (PICs) organize documents found on My Oracle Support (MOS), providing quick access to product and version specific information such as important knowledge documents, Release Value Propositions, and Oracle University training. PICs also offer documentation on Lifetime Management, from planning to installs, upgrades, and maintenance.

Visit <https://support.oracle.com/epmos/faces/DocumentDisplay?id=1486951.1> to access links to all of the current PICs.

PICs also provide access to:

- ▶ **Communities** are moderated by Oracle providing a place for collaboration among industry peers to share best practices.
- ▶ **News** from our development and strategy groups.
- ▶ **Education** contains a list of available Primavera product trainings through Oracle University. The Oracle Advisor Webcast program brings interactive expertise straight to the desktop using Oracle Web Conferencing technology. This capability brings you and Oracle experts together to access information about support services, products, technologies, best practices, and more.

For more information about working with Support, visit <https://support.oracle.com/epmos/faces/DocumentDisplay?id=888813.2>.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

# Legal Notices

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Oracle Primavera Connecting E-Business Suite

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