



PRIMAVERA

**Connecting Instantis EnterpriseTrack
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Overview

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.

The following providers are delivered with Primavera Gateway:

- ▶ EnterpriseTrack provider

The EnterpriseTrack provider enables you to share data with Oracle Instantis EnterpriseTrack application. Primavera Gateway supports Oracle Instantis EnterpriseTrack integration with a Sample provider and E-Business Suite.

- ▶ EBS Provider

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

- ▶ Sample provider

The Sample provider is a provider for demonstration purposes only. The purpose of the Sample provider is to illustrate how to use Primavera Gateway to synchronize data between a Primavera application and the Sample provider.

Integrating Oracle Instantis EnterpriseTrack with the Sample provider enables sharing of project details related to budget and costs. The Gateway integration tool facilitates the integration process. You can initiate projects in either Oracle Instantis EnterpriseTrack or the Sample provider and send them to the other application.

IT professionals or administration personnel who are responsible for setting up the environment and scheduling jobs and synchronizations within your organization should use this guide. This guide describes how to setup the environment to enable data exchange between Oracle Instantis EnterpriseTrack and the Sample provider.

Setting Up the Integration Environment

This chapter describes how to setup the environment to exchange data between Oracle Instantis EnterpriseTrack and the Sample provider in Primavera Gateway.

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Integration Prerequisites

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

- ▶ Oracle Instantis EnterpriseTrack
- ▶ Primavera Gateway selecting the Oracle Instantis EnterpriseTrack provider and the Sample provider.

To set up an environment for data exchange through Primavera Gateway, with E-Business Suite, install and configure the following applications:

- ▶ Oracle Instantis EnterpriseTrack
- ▶ Primavera Gateway selecting the Oracle Instantis EnterpriseTrack provider and the EBS provider

For more details, see the *Connecting E-Business Suite* guide.

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.

Configuring the Primavera Gateway User Interface


This section describes how to configure the Primavera 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. 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 **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.

Adding an Application Deployment Connection

To move data between applications, Primavera Gateway needs to know where to get and send information. You set this up by adding application deployment connections for Oracle Instantis EnterpriseTrack and the Sample provider by specifying an **Endpoint** URL for each application.

- 1) Login to Primavera Gateway with administration credentials.
- 2) Select **Configuration**.
- 3) Select **Deployments**.
- 4) Select **Add**.
- 5) Follow the steps in the **Add Deployment** wizard to name the deployment and set the following parameters:

- ▶ In the **EnterpriseTrack Login ID** field, enter the login user name. Ensure that the login has all the necessary permissions to update project attributes. Otherwise, project import may fail.
- ▶ In the **EnterpriseTrack Password** field, enter the password for the login user name.
- ▶ In the **EnterpriseTrack Login URL** field, enter the URL for accessing the application in the format, **http://<server_name>/SiteWand/Submission/<accountname>**.
- ▶ In the **EnterpriseTrack Initiative** field, enter a valid initiative to create or update a project.
- ▶ In the **Date Format** field, enter a valid date format supported by EnterpriseTrack.
- ▶ In the **EnterpriseTrack Connector Debug Flag** field, enter N to disable debugging the application. Set it to Y to enable debugging and a log file will be generated.

6) Select **Save**.

Supported Business Flows

This section describes the business flows supported for exporting and importing data between Oracle Instantis EnterpriseTrack and the Sample provider.

Export Project Data

To export data from Oracle Instantis EnterpriseTrack to the Sample provider, you will need to create your own templates if the default template don't fit your needs. The **EnterpriseTrack Project Mapping** is the supported default field mapping template.

Default Source Application Parameters

Each business flow will have the same defaults for the parameters as follows.

- ▶ **EnterpriseTrack Project ID**
Use this setting to specify the project ID to be sent from the EnterpriseTrack provider.
- ▶ **EnterpriseTrack Project Name**
Use this setting to identify the project to be exported by the project name.

Note: If Project ID and Project Name are provided, then Project ID is used to search the project.

Specify the following settings only if you export Project Finance data from EnterpriseTrack:

- ▶ **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 additional objects that are to be exported with a Project business object. Options include:
 - ▶ Project Metadata
 - ▶ Project Finance Structure
 - ▶ Project Finance Current
 - ▶ Project Finance Snapshot

- ▶ **EnterpriseTrack Project Finance Snapshot Name (Required only for project finance snapshot export)**

Use this setting to specify the name of the Project Finance Snapshot object.

- ▶ **From Month (YYYY/MM Format)**

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

Default Destination Application Parameters

The project data will be exported to an XML file in the Sample provider.

Import Project Data

To import project data to EnterpriseTrack from the Sample provider, you can use the default **EnterpriseTrack Project Mapping** field mapping template. You can also create your own if this template does not fit your needs.

Default Source Application Parameter Settings

- ▶ **ERP Project Filter**

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

Default Destination Application Parameter Settings

Each business flow will have the same defaults for the parameters as follows.

- ▶ **EnterpriseTrack Project ID**

Use this setting to specify where to send the project data from the Sample provider to the Oracle Instantis EnterpriseTrack project.

- ▶ **EnterpriseTrack Project Name**

Use this setting to identify the EnterpriseTrack project by the project name.

- ▶ **EnterpriseTrack Mandatory Roles (separated list. Required only for project creation)**

Use this setting if you are creating a Oracle Instantis EnterpriseTrack project. The Project Manager role is displayed by default.

- ▶ **EnterpriseTrack Login IDs of Mandatory Roles (separated list - required only for project creation)**

Use this setting if you are creating a Oracle Instantis EnterpriseTrack project .

- ▶ **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.

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

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

Supported Field Mapping Template with Sample Provider

The EnterpriseTrack Project mapping is the default field mapping template for the EnterpriseTrack provider. The following field mappings are supported with the Sample provider:

EnterpriseTrack Fields	Sample Fields
project_number	ProjectId
project_name	ProjectName
business_unit	BusinessArea
initial_forecast_cost	CurrentBudget
planned_start_date	PlannedStartDate
planned_realization_date	FinishDate
location	LocationName
calendar_id	OperationDefaultCalendarName

Supported Field Mapping Templates for E-Business Suite

The following out-of-the-box field mapping templates are supported for sharing data between Oracle Instantis EnterpriseTrack and E-Business Suite.

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:

EBS	EnterpriseTrack
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
CREATED_FROM_PROJECT	fintemplateid
PROJECT_CURRENCY_CODE	currency_code
CALENDAR_NAME	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:

EBS	EnterpriseTrack
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:

EBS	EnterpriseTrack
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 *Oracle Instantis EnterpriseTrack* to *Sample* using a synchronization called *Synchronize Project Data from Oracle Instantis EnterpriseTrack to Sample*. Also assume that you will use the *Export Project Data from Oracle Instantis EnterpriseTrack to Sample* business flow.

Prerequisites

This example assumes that the following prerequisites have been completed:

- ▶ Primavera Gateway is installed and running.
- ▶ An application deployment called *EnterpriseTrack Deployment* has been added to Primavera Gateway.
- ▶ An application deployment called *Sample Deployment* has been added to Primavera Gateway.
- ▶ A business flow called *Export Project Data from Oracle Instantis EnterpriseTrack to Sample* 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. Modify the synchronizations to include the correct project filter.
The project filter will be displayed if the option is not hidden on the Parameters page.
 - b. In the **Synchronization Name** field, enter a name.
 - c. Select **Export Project Data from Oracle Instantis EnterpriseTrack to Sample** from the **Business Flow** list.
 - d. Select **Oracle Instantis EnterpriseTrack Deployment** from the **Source** list.
 - e. Select **Sample Deployment** from the **Destination** list.
 - f. Select **Next**.
 - g. Review the parameters and select **Next**.
 - h. Review the Synchronization Summary and select **Save**.
- 4) Select the *Synchronize Project Data from Oracle Instantis EnterpriseTrack to Sample* 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 **Export Project Data**. The synchronization jobs will be filtered using these selections.
- 3) Select the **Job** link for **Synchronize Project Data from Oracle Instantis EnterpriseTrack to Sample**.
- 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 Instantis EnterpriseTrack to Sample** 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>.

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