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**Connecting Oracle Access Manager for P6 EPPM
Release 15.1**

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Legal Notices

Oracle Primavera Prime Connecting Oracle Access Manager for P6 EPPM

Contents

About Oracle Access Manager

Oracle Access Manager (OAM) provides the core functionality of Web Single Sign-On (SSO).

Prerequisites

Review the prerequisites before you install and configure Oracle Acess manager.

Installing WebLogic

You will need to install WebLogic to deploy P6 EPPM. For supported versions, see the *Tested Configurations* document. For more information about how to install WebLogic, see the following URL: http://www.oracle.com/technetwork/middleware/weblogic/documentation/index.html

> **Note:** If you are using WebLogic 11g (10.3.6), you must download and apply the following patches from My Oracle Support:
>
> - *9923849*
> - *19182814*
>
> For information on how to apply your WebLogic patches, see the readme that is located in the respective patch zip file.
>
> **Note:** Oracle recommends that you install Oracle Access Manager on a new WebLogic Middleware home.
>
> If existing Middleware applications are installed into the Middleware home (for example, BI Publisher or Identity Management), Access Manager will fail to deploy.

Tips

After you finish installing WebLogic, ensure you can run the startNodeManager.cmd/sh (depending on your environment) before installing P6 EPPM. If you cannot run these files, contact your WebLogic representative for help.

Installing a Database

You can use either Oracle or Microsoft SQL Server on your database server for P6 EPPM installations. You must install the database server before you can create the P6 EPPM database.

If you are using an Oracle Database, you must make sure that create a database with the Oracle Text option enabled. Oracle Text supports the Oracle Database content repository by using standard SQL to index, search, and analyze text and documents stored in the database, in files and on the web. For more details, refer to the Oracle Database documentation.

> **Note**:
>
> - When you attempt to create a database using Oracle Database 12c, the option to create a pluggable database will be enabled by default. If you do not want to create a container database, deselect the **Create As Container Database** check box during the database creation process. If you create a container database, you must also create a pluggable database on which to install your P6 EPPM instance.
> - When using an Oracle database, you must install Oracle Multimedia, along with these supporting components: Oracle JVM, Oracle XML DB (XDB), and XML Developer's Kit (XDK). Unless you specify otherwise, all these components automatically get installed with the latest versions of an Oracle database (11g and later). If you chose not to install these components, you will need to install them before you install P6 EPPM. See the *Oracle Multimedia's User's Guide* on the Oracle Technology Network (OTN) for information on how to install these components.
> - Oracle Text is enabled by default.

Installing P6 EPPM

You must install a current version of P6 EPPM and create a P6 EPPM database before you begin the procedures in this guide.

See the *Tested Configurations* document for information on supported versions.

Installing the LDAP Directory Server

You must have a supported LDAP server. You also need to create a group of users who you want to have access to the application. See the *Tested Configurations* document for supported LDAP servers.

Installing Oracle HTTP Server

Oracle HTTP Server 11g

To install Oracle HTTP Server 11g, see *Oracle Fusion Middleware Installation Guide for Oracle Web Tier 11g,* which can be found at the following URL:

http://docs.oracle.com/cd/E28280_01/install.1111/e14260/toc.htm.

> **Note:** After you navigate to *Oracle Fusion Middleware Installation Guide for Oracle Web Tier 11g,* see the following chapters:
>
> - Chapter 1: *Installation Overview*
> - Chapter 2: *Preparing to Install*
> - Chapter 3: *Using the Install and Configure Option*

Oracle HTTP Server 12c

To learn more about installing Oracle HTTP Server 12c, see:

Installing and Configuring Oracle HTTP Server, which can be found at the following URL:

http://docs.oracle.com/middleware/1213/core/WTINS/toc.htm.

> **Note:** After you navigate to *Installing and Configuring Oracle HTTP Server,* see the following chapters:
>
> - Chapter 1: *Planning Your Oracle HTTP Server Installation*
> - Chapter 2: *Installing the Oracle HTTP Server Software*

The following documents on My Oracle Support:

How To Install Oracle HTTP Server(OHS)12c In Standalone And Colocated (Managed through WebLogic Server) Domains (Doc ID: 1575618.1)

How To Install Oracle HTTP Server(OHS)12c In Colocated (Managed through WebLogic Server) Domains (Doc ID: 1606339.1)

> **Note:** Oracle Access Manager 12c is bundled with the Oracle HTTP Server 12c download. When you install Oracle HTTP Server 12c, you can install Oracle Access Manager 12c at the same time.

Configuring the proxy plugin module for Oracle HTTP Server for P6 EPPM

Oracle HTTP Server 11g

To learn more about configuring Oracle HTTP Server 11g as a proxy, see:

Oracle Fusion Middleware Using Web Server 1.1 Plug-Ins with Oracle WebLogic Server 11g, which is located at the following URL:

http://docs.oracle.com/cd/E23943_01/web.1111/e16435/oracle.htm.

> **Note:** After you navigate to *Fusion PPM Bridge Installation Guide for Oracle Web Tier 11g,* see the following sections:
>
> - Section 2.1: *Prerequisites for Configuring mod_wl_ohs*
> - Section 2.3: *Configuring mod_wl_ohs Manually*

the following My Oracle Support document:

How To Configure Oracle HTTP Server (OHS) 11g As A Proxy To WebLogic For Primavera P6 Web Applications (Doc ID: 1446675.1)

OHS 12c

To learn more about configuring OHS 12c as a proxy, see:

Using Oracle WebLogic Server Proxy Plug-Ins 12.1.3, which is located at the following URL:

http://docs.oracle.com/middleware/1213/webtier/PLGWL/toc.htm.

> **Note:** After you navigate to *Using Oracle WebLogic Server Proxy Plug-Ins 12.1.3,* see the following sections:
> - Section 2.1: *Prerequisites for Configuring the WebLogic Proxy Plug-In*
> - Section 2.3: *Configuring the WebLogic Proxy Plug-In Manually*

Installing and Configuring Oracle Access Manager

To install and configure Oracle Access Manager, see the *Installing and Configuring Oracle Identity and Access Management* chapter of the *Oracle Fusion Middleware Installation Guide for Oracle Identity and Access Management guide*, which can be found at the following URL:

http://docs.oracle.com/cd/E27559_01/install.1112/e27301/install.htm#INOAM75795

Installing Oracle HTTP Server WebGate for Oracle Access Manager

WebGate is an access client for enforcing access policies on HTTP-based resources. The WebGate client runs as a plugin that intercepts HTTP requests for web resources and forwards them to the access server where access control policies are applied. For more information about installing Oracle HTTP Server 11g WebGate, see the *Installing and Configuring Oracle HTTP Server 11g WebGate for OAM* chapter of the *Fusion Middleware Installation Guide for Oracle Identity Management* guide which is located at the following URL:

http://docs.oracle.com/cd/E21764_01/install.1111/e12002/webgate.htm#INOIM75755

> **Note:** WebGate is automatically bundled with Oracle HTTP Server 12c. If you are using Oracle HTTP Server 12c, you do not need to install WebGate.

Configuring Oracle HTTP Server WebGate for Oracle Access Manager

After you install your WebGate, you much configure it on the same Oracle HTTP Server on which you have installed your P6 EPPM instance.

Use the following section that corresponds to your version of Oracle HTTP Server.

Oracle HTTP Server 11g

To configure Oracle HTTP Server 11g, see *Fusion Middleware Installing WebGates for Oracle Access Manager,* which can be found at the following URL:

http://docs.oracle.com/cd/E28280_01/doc.1111/e38584/webgate_ohs.htm#WGATE75755

> **Note:** After you navigate to *Fusion Middleware Installing WebGates for Oracle Access Manager,* follow the instructions that are in the following section:
>
> Section 2.3: *Post-Installation Steps for Oracle HTTP Server 11g WebGate*

Oracle HTTP Server 12c

To configure Oracle HTTP Server 12c, see *Oracle Fusion Middleware Installing and Configuring Oracle HTTP Server,* which can be found at the following URL:

http://docs.oracle.com/middleware/1213/core/WTINS/toc.htm

> **Note:** After you navigate to *Fusion Middleware Installing WebGates for Oracle Access Manager,* follow the instructions that are in the following section:
>
> Section B.2: *Configuring Oracle HTTP Server 12c WebGate*

Registering Oracle HTTP Server WebGate with Oracle Access Manager

Once your WebGate has been configured with an Oracle HTTP Server, you must register your WebGate with Oracle Access Manager by using the Oracle Access Manager Administration Console.

To register your WebGate with Oracle Access Manager, see *Fusion Middleware Administrator's Guide for Oracle Access Manager with Oracle Security Token Service*, which can be found at the following URL:

http://docs.oracle.com/cd/E28280_01/admin.1111/e15478/agents.htm#AIAAG206

> **Note:** After you navigate to *Fusion Middleware Administrator's Guide for Oracle Access Manager with Oracle Security Token Service,* follow the instructions that are in the following section:
>
> Section 9.5: *Registering and Managing OSSO Agents Using the Console*

Configuring Oracle Access Manager and the Oracle HTTP Server WebGate for Single Sign-On Redirection

There are several supported authentication schemes that you can use to enable Single Sign-On for your P6 EPPM instance, such as: Form (LDAP), X509 (Certificate), WNA (Windows Native Authentication); however, this document covers the necessary procedures for a form based authentication. If you have would like to use one of the other authentication schemes, you should review *Part V Managing Access Manager SSO, Policies, and Testing* in the *Fusion Middleware Administrator's Guide for Oracle Access Management* guide, which can be located at the following URL:

http://docs.oracle.com/cd/E27559_01/admin.1112/e27239/toc.htm

The following list represents the tasks that you need to complete in order to configure SSO for your P6 EPPM applications:

1) ***Configuring a Data Source in Oracle Access Manager to Connect to an LDAP Server*** (on page 10)
2) ***Creating an Authentication Module*** (on page 11)
3) ***Configuring a Host Identifier*** (on page 11)
4) ***Configuring an Authentication Scheme*** (on page 12)
5) ***Protecting Your Resources*** (on page 14)
6) ***Configuring Protected Resources under an Application Domain*** (on page 15)
7) ***Mapping Your Authentication Scheme to Your Authentication Policy*** (on page 15)
8) ***Testing Your Single Sign-On Integration with Oracle Access Manager*** (on page 16)

Configuring a Data Source in Oracle Access Manager to Connect to an LDAP Server

Oracle Access Manager wil needs to be configured with a data Source that will hold a connection to your LDAP directory server.

For more information about managing data sources for Oracle Access Manager, see Section 4 and 4.2 in the *Fusion Middleware Administrator's Guide for Oracle Access Management* guide, which can be found at the following URL:

http://docs.oracle.com/cd/E27559_01/admin.1112/e27239/datasrc.htm#AIAAG244

To configure a data source in Oracle Access Manager to connect to an LDAP server, follow the instructions in Section 4.3, *Managing User Identity Stores*, in the *Fusion Middleware Administrator's Guide for Oracle Access Management* guide.

> **Note:** You only need to complete steps 1-5 for Section 4.3.2, *Registering a New User Identity Store*.

Creating an Authentication Module

Once you have an LDAP data source, you need to create a new Authentication Module that links to the LDAP data source. The authentication module needs to be linked to an authentication scheme, which needs to be connected to the LDAP directory server.

To create an authentication module:

1) Login to the Oracle Access Manager Administration Console.
2) Navigate to the System Configuration tab.
3) Expand **Access Manager** and then expand **Authentication Modules**.
4) Click **LDAP Authentication Module**.
5) Click **Create**.
6) In the Create LDAP Authentication Module dialog box, do the following:
   a. In the Name field, enter a name for the authentication module that you want to create.
   b. From the User Identity Store menu, select the link that matches the LDAP data source that you created.
   c. Click **Apply** to save the changes.

Configuring a Host Identifier

Oracle Access Manager needs to be configured with a Host Identifier that matches the host identifier variable that you created when you registered Oracle HTTP Server WebGate with Oracle Access Manager. When you registered your WebGate with the Oracle Access Manager, this step was completed automatically for you.

If a host identifier was not created or was deleted after you created your WebGate, you will need to create a new host identifier.

To create a new host identifier, follow the instructions in section 16.4, *Managing Host Identifiers*, of the *Fusion Middleware Administrator's Guide for Oracle Access Management*, which can be found at the following URL:

http://docs.oracle.com/cd/E27559_01/admin.1112/e27239/toc.htm

To *confirm* that you have a configured Host Identifier:

1) Login to the Oracle Access Manager Administration Console.
2) Navigate to the Policy Configuration tab.
3) Click **Host Identifier** and then click **Open**.
4) Click **Search**.
5) Select the link for your Host Identifier.
6) In the Host Identifier dialog box, do the following:

In the Host Name Validation list, ensure that the name of your host identifier under Host Name matches the host identifier that you setup when you registered your WebGate with Oracle Access Manager.

> **Note:** The host identifier field is a value that replaces *hostname:port* in requests from the webserver to the Oracle Access Manager. For example, your WebGate has a host identifer set to *P6EPPM* and you make a request in the browser for a resource, such as `http://ohs_<server_name>:<port>/p6`. The WebGate makes an IsProtected call to the Oracle Access Manager managed server to determine whether the resource is protected; in this instance, the resource is */p6*. The WebGate will pass the resource from itself to OAM as `http://P6EPPM/p6` — this can be seen in trace mode logs of Oracle Access Manager — and then it will attempt to match a policy created in OAM. As a result of this substitution, redirection to Oracle Access Manager for authentication will occur if the actual *<host_name>:<port>* of the webserver is not set as the host identifier value.

Configuring an Authentication Scheme

Once you have a data source that stores a connection to your LDAP server, you have to create an authentication scheme for your P6 EPPM applications. An authentication scheme is a named component that defines the challenge mechanism that is required to authenticate a user. For example, the authentication scheme determines if you will use a form based authentication, basic authentication, Windows Native Authentication, and so on.

To create a new authentication scheme, follow the instructions in section 16.9, *Managing Authentication Schemes*, of the *Fusion Middleware Administrator's Guide for Oracle Access Management*, which can be found at the following URL:

http://docs.oracle.com/cd/E27559_01/admin.1112/e27239/toc.htm

If you already have an authentication scheme, you can use it as a template to provide Form Based Authentication for your P6 EPPM applications.

To duplicate an authentication scheme:

1) Login to the Oracle Access Manager Administration Console.
2) Navigate to the Policy Configuration tab.
3) Expand **Authentication Schemes**.
4) Click **LDAP Scheme**.
5) Click 🔲 **Duplicate**.
6) In the Authentication Schemes dialog box, do the following:

> **Note:** Since you are duplicating an existing authentication scheme and are using it as a template for your P6 EPPM applications, many of the fields in the Authentication Scheme dialog box will be prepopulated. You do not need to alter the following fields:
>
> ▪ Description

- Authentication Level
- Default
- Challenge Method
- Challenge Redirect URL
- Challenge URL
- Context Type
- Context Value
- Challenge Parameters

a. In the Name field, enter a name for your Authentication Scheme.
b. In the Authentication Module field, select the authentication module that you created for your LDAP data source.
c. Click **Apply** to create the new authentication scheme.

> **Note:** By default, the ssoCookie:httponly challenge parameter is enabled in an authentication scheme . This parameter helps to prevent JavaScript running in the browser from accessing the ObSSOCookie; however due to current design of P6 EPPM, it is necessary to read ObSSOCookie in order to give applets and iFrames the ability to read from an existing authenticated session. If this challenge parameter is turned on it will result in the following two issues when using P6 EPPM over SSO:
>
> - Error: "java.lang.ClassFormatError: Incompatible magic value 1008813135 in class file Applet" or "Prompt For Re-authentication When Loading Any Applet When Configured For Oracle Access Manager (OAM)". For more information about these prompts, go to My Oracle Support and see Doc ID = 1242418.1.
> - Applets In P6 Are Generate A "Java Authentication Required' Prompt After Reaching The Oracle Access Manager Session Lifetime Threshold". For more information about this prompt, go to My Oracle Support and see Doc ID = 1596987.1.
>
> To prevent these prompts from occurring, the following challenge parameters should be added to the authentication scheme created:
>
> - ssoCookie=disablehttponly
> - miscCookies=disablehttponly
>
> For more information about the cookies used during Single Sign-On, see section 15.6, *Understanding SSO Cookies*, of the *Fusion Middleware Administrator's Guide for Oracle Access Management*, which can be found at the following URL:
>
> http://docs.oracle.com/cd/E27559_01/admin.1112/e27239/toc.htm

Protecting Your Resources

Once you have Oracle Access Manager configured with a connection to your LDAP Server, a host identifier that links to your Oracle HTTP Server WebGate for Oracle Access Manager, and an authentication scheme, you need to create an Application Domain so that you can setup policies to protect your resources and to configure a policy to point to the authentication scheme that you want to use.

For more information about policies and instruction on how to create them, see Chapter 17, *Managing Policies to Protect Resources and Enable SSO*, of the *Fusion Middleware Administrator's Guide for Oracle Access Management*, which can be found at the following URL:

http://docs.oracle.com/cd/E27559_01/admin.1112/e27239/toc.htm

Oracle recommends that you protect your context roots with the following conventions:

▸ /*context*

> For example, the connection `http://`*<host_name>*`:`*<port>*`/`*<context>* will be recognized as a protected resource.

▸ /*context/*

> For example, the connection `http://`*<host_name>*`:`*<port>*`/`*<context>*`/` will be recognized as a protected resource.

▸ /*context/* or* /*context/.../**

> For example, the connection `http://`*<host_name>*`:`*<port>*`/`*<context>*`/`*<additional_context_roots>* will be recognized as a protected resource.

The following resources need to be protected for the following P6 EPPM versions and applications:

> **Note:**
>
> - If you require additional context roots, you must use two asterisks at the end of your connection string (for example, .../*<context>*/**).
> - You do not need to protect p6ws, p6procloudconnect, and primaveraAPI because they do not have a web based interface that needs to be protected by the Access Manager domain.

P6 EPPM 8.0 or Later:

▸ P6

```
/p6
/p6/
/p6/**
```

▸ P6 mobile

```
/p6tmws
/p6tmws/
/p6tmws/**
```

▸ P6 Team Member Web

```
/p6tmweb
/p6tmweb/
/p6tmweb/**
```

Configuring Protected Resources under an Application Domain

When you registered your Oracle HTTP Server WebGate with the Oracle Access Manager, an application domain was automatically created for you.

To configure context roots to protect the P6 EPPM applications:

1) Login to the Oracle Access Manager Administration Console.
2) Navigate to the Policy Configuration tab.
3) Click Application Domains and then click 📁 **Open**.
4) Click **Search** and then search for the name of the application domain that matches your registered WebGate name.
5) Navigate to the Resource tab.
6) Click **New Resource** and then do the following:
    a. In the Type field, select **HTTP**.
    b. In the Host Identifier field, select the name of the host identifier that you created.
    c. In the Resource URL field, enter a protected context root (for example, */p6*)
    d. In the Protection Level field, select **Protected**.
    e. In the Authentication Policy field, select **Protected Resource Policy**.
    f. In the Authorization Policy field, select **Protected Resource Policy**.
    g. Click **Apply**.
7) In the Resources tab, highlight all of the field to the right of the Resource Type column and then close it.
8) Click ✖ **Close**.
9) Repeat steps 6-8.

Mapping Your Authentication Scheme to Your Authentication Policy

Once you create your resources and tie them to the Authentication Policy that was created for you when the application domain was created (for example, Protected Resource Policy), you need to map your authentication scheme to your authentication policy so that your resources will present the login form to users for authentication:

1) Login to the Oracle Access Manager Administration Console.
2) Navigate to the Authentication Policies tab.
3) Select **Protected Resource Policy**.
4) In the Authentication Scheme menu, select the authentication scheme that you created.
5) Click **Apply**.

Testing Your Single Sign-On Integration with Oracle Access Manager

Once your Oracle HTTP Server is configured with Oracle HTTP Server WebGate for Oracle Access Manager is restarted, you can test the Single Sign-On integration before you configure Single Sign-On with your P6 EPPM applications.

To test your Single Sign-On:

1) Close all of your open browsers.
2) Open a new browser. See *Tested Configurations* for a list of supported browsers.
3) Enter the URL of an P6 EPPM application with the following Oracle HTTP Server convention *<server_name>/<port>.* For example: `http://`*ohsservername*:*7777*/*p6*

    You are redirected to a Single Sign-On form for authentication.
4) Enter the required information.

    After you have been successfully authenticated, you will be redirected to the P6 EPPM application login page. The redirection to the SSO login to the P6 EPPM application login page confirms the successful setup of the Access Manager.
5) Close the browser.
6) Repeat steps 2-4 for the remaining P6 EPPM applications.

Configuring P6 EPPM for Web Single Sign-On

Once Oracle Access Manager has been configured to protect the P6 EPPM applications and the WebGate has been configured with the Oracle HTTP Server to intercept requests and confirm resource protection, the P6 EPPM applications must be configured for Web Single Sign On (WebSSO).   You need to configure the applications to accept the Header Key username from a successful Oracle Access Manager authentication for automatic login to the P6 EPPM applications.

To configure P6 EPPM for Web Single Sign-On:

1) Open the Primavera P6 Administrator.
2) Navigate to the Authentication tab.
3) Expand your P6 configuration and then do the following:
    a. Expand **Authentication**.
    b. In the Login Mode field, select **WebSSO**.
    c. Expand **Database Instance** for your P6 EPPM database instance.
    d. In the Authentication Mode field, select **WebSSO**.
    e. Collapse your P6 configuration.
4) Expand your P6 Team Member Web configuration and then do the following:
    a. Expand **Authentication**.
    b. In the Login Mode field, select **WebSSO**.
    c. Expand **Database Instance** for your P6 EPPM database instance.

d. In the Authentication Mode field, select **WebSSO**.

e. Collapse your P6 Team Member Web configuration.

For More Information

Where to Get Documentation

Complete documentation libraries for P6 EPPM releases are available on the Oracle Technology Network (OTN) at:

http://www.oracle.com/technetwork/documentation/primavera-093289.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.

P6 EPPM is configured to access its help systems on OTN. However, you can also install local versions 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 P6 EPPM and lists the recommended readers by role. P6 EPPM roles are described in the *Planning Your P6 EPPM Implementation* guide.

Title	Description
What's New in P6 EPPM	Highlights the new and enhanced features included in this release. You can also use the *P6 EPPM Cumulative Feature Overview Tool* to identify the features that have been added since a specific release level. All users should read this guide.
Planning Your P6 EPPM Implementation	Explains planning your implementation and provides an installation process overview, frequently asked questions, client and server requirements, and security information. The P6 EPPM network administrator/database administrator and P6 administrator should read this guide.
P6 EPPM Installation and Configuration Guide	Explains how to install and configure P6 EPPM using the P6 EPPM Installation and Configuration wizards. The P6 EPPM network administrator/database administrator and P6 administrator should read this guide.

Title	Description
P6 EPPM Installation and Manual Configuration Guide	Explains how to install and configure the P6 EPPM using the P6 EPPM Installation wizards, and how to manually configure individual components.
	The P6 EPPM network administrator/database administrator and P6 administrator should read this guide.
P6 EPPM Post Installation Administrator's Guide	Describes how to get started using P6 EPPM applications after you have installed and configured them. Complete the tasks in this guide before letting your users work with these applications. These tasks include information about configuring your users and security settings and privileges, configuring your Primavera P6 Administrator settings, and finalizing your P6 Integration API and P6 EPPM Web Services settings.
	The P6 EPPM network administrator/database administrator and P6 administrator should read this guide.
Tested Configurations	Lists the configurations that have been tested and verified to work with P6 EPPM.
	The network administrator/database administrator and P6 EPPM administrator should read this document.
P6 User's Guide	Explains how to plan, set up, and manage projects in a multiuser environment. If you are new to P6, start with this guide to learn how to use the software effectively to plan and manage projects. When you need more detail, refer to the P6 Help.
	The program manager, project manager, resource/cost manager, team leader, and all P6 users should read this guide.
P6 Help	Explains how to use P6 to administer, plan, set up, and manage projects, portfolios, workflows, timesheets, documents, and reports in a multiuser environment. Describes how to analyze performance and ROI, and analyze budgets. If you are new to P6, use this Help to learn how to use the software effectively.
	The operations executive, P6 EPPM and P6 administrator, program manager, project manager, resource/cost manager, team leader, and all users should read this Help.
P6 Data Dictionary	Defines fields used in P6.
	All P6 users should refer to this guide if they need a field definition.

Title	Description
P6 Team Member Web Help	Describes how to use P6 Team Member Web to provide status on activities. P6 Team Member Web users should read this Help.
P6 EPPM Web Services Programmer's Guide	Describes how to invoke, use, and troubleshoot the available services and operations within supported environments. When you need specific information about the services and operations available, refer to the P6 EPPM Web Services Reference Manual. Anyone who wants to develop applications that interact with P6 should read this guide.
P6 EPPM Web Services Reference Manual	Describes all services and operations available in P6 EPPM Web Services. Anyone who wants to develop applications that interact with P6 should read this guide.
P3 to P6 EPPM Migration Guide	Provides best practices for migrating your P3 data to P6 EPPM and details how P3 functionality maps to P6 EPPM functionality. All administrators should read this guide if your organization is moving from P3 to P6.

Distributing Information to the Team

You can copy the online documentation to a network drive for access by project participants. Team members can then view or print those portions that specifically relate to their roles 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 whitepapers, 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/oll/primavera

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, visit 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**.

The following knowledge articles are a good place to start your research because they link to the most frequently referenced articles about P6 EPPM

▶ Primavera Product Master Notes [ID 1489367.1]
▶ Master Note For Primavera P6 Common Application Questions Or Issues [ID 1292929.1]

P6 EPPM integrates with different Oracle applications; when you create a Service Request, be sure to open the request with the proper Support team. To ensure you reach the proper Support team, enter the correct product information when you create the Service Request. Each product has its own support line.

▶ Use the **Primavera P6 EPPM** support line when you are having installation, configuration, or connection issues related to P6 EPPM.
▶ Use one of the following support lines when you are having installation or configuration issues that do not relate to P6 EPPM.
  ▶ Oracle WebLogic Server
  ▶ Oracle Database Server
  ▶ BI Publisher
  ▶ BPM
  ▶ Oracle Webcenter Content Core Capabilities (formerly Universal Content Management)
  ▶ Oracle Enterprise Manager
  ▶ Oracle Access Manager
  ▶ Oracle AutoVue

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** which are moderated by Oracle providing a place for collaboration among industry peers to share best practices.
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