
PeopleSoft Enterprise Environment Management Plug-in 8.51 for Oracle Enterprise Manager Implementation Guide

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PeopleSoft Environment Management Plug-in for Oracle Enterprise Manager Preface

This preface describes the PeopleSoft Environment Management Plug-in for Enterprise Manager.

PeopleSoft Environment Management Plug-in Preface

The PeopleSoft Environment Management Plug-in provides integration with the Oracle Enterprise Manager Framework to enhance PeopleSoft system administration. After installing the plug-in within your Oracle Enterprise Manager system, you can use Oracle Enterprise Manager Grid Control features to monitor and manage PeopleSoft servers from the centralized, graphical interface of the Oracle Enterprise Manager console.

This book assumes that you have a working knowledge of and experiences with:

- Oracle Enterprise Manager features, terms, and administration.
- PeopleSoft system administration utilities, such as PSADMIN.
- PeopleSoft system elements, such as databases, application servers, search servers, Process Scheduler servers, Process Monitor, web servers, PIA installations, and so on.

Note. The documentation for Oracle Enterprise Manager and all of the PeopleSoft system elements *is not* recreated in this guide. For information on specific details related to Oracle Enterprise Manager or a PeopleSoft target type, refer to the documentation associated with that specific product.

See Also

PeopleTools 8.51 PeopleBooks

Oracle Enterprise Manager Documentation 11g Release 1 (11.1):
http://download.oracle.com/docs/cd/E11857_01/index.htm

PeopleBooks and the PeopleSoft Online Library

A companion PeopleBook called *PeopleBooks and the PeopleSoft Online Library* contains general information, including:

- Understanding the PeopleSoft online library and related documentation.
- How to send PeopleSoft documentation comments and suggestions to Oracle.

- How to access hosted PeopleBooks, downloadable HTML PeopleBooks, and downloadable PDF PeopleBooks as well as documentation updates.
- Understanding PeopleBook structure.
- Typographical conventions and visual cues used in PeopleBooks.
- ISO country codes and currency codes.
- PeopleBooks that are common across multiple applications.
- Common elements used in PeopleBooks.
- Navigating the PeopleBooks interface and searching the PeopleSoft online library.
- Displaying and printing screen shots and graphics in PeopleBooks.
- How to manage the locally installed PeopleSoft online library, including web site folders.
- Understanding documentation integration and how to integrate customized documentation into the library.
- Application abbreviations found in application fields.

You can find this companion PeopleBook in your PeopleSoft online library.

Chapter 1

Getting Started with PeopleSoft Environment Management Plug-in

This chapter discusses:

- Sources of additional information.
- PeopleSoft Environment Management Plug-in installation.
- PeopleSoft target discovery.
- Monitoring and managing each of the PeopleSoft target types.

Sources of Additional Information

The PeopleSoft Environment Management Plug-in runs within the framework of Oracle Enterprise Manager. Therefore, as you install and use the features of Oracle Enterprise Manager, you may need to get more information than is provided in this guide. This guide focuses on the PeopleSoft system management using Oracle Enterprise Manager. The concepts and tasks described in this book relate to PeopleSoft system administration tasks documented in PeopleTools PeopleBooks.

See *PeopleTools 851 PeopleBook: System and Server Administration*

Enterprise Manager provides a wide range of information for different types of users at many different levels of expertise.

These are the major information sources for Oracle Enterprise Manager:

- Online help screenwatches

Enterprise Manager comes with a comprehensive set of narrated tutorials (screenwatches) covering major functional areas of Enterprise Manager. Screenwatches are narrated demonstrations that cover everything from performing routine tasks, such as creating blackouts, to using specialized features such as Application Service Level Management. Screenwatches can be accessed directly from the Enterprise Manager console, from the online help system, and from the Enterprise Manager product area on Oracle Technology Network.

- Oracle Technology Network (OTN)

The Enterprise Manager product center on OTN (available at <http://www.oracle.com>) is your source for the latest Enterprise Manager information. There you will find newly released documentation and demos, white papers, tutorials, internet seminars, and technology/application-specific literature. Major product feature enhancements such as Enterprise Manager framework extensibility is also available.

See <http://www.oracle.com/technetwork/oem/grid-control/overview/index.html>

- Product documentation

Enterprise Manager books help you install and configure Enterprise Manager, as well as provide you with important concepts and information for utilizing more in depth features. You can find the complete Enterprise Manager documentation library on OTN..

See http://download.oracle.com/docs/cd/E11857_01/index.htm

- Online help

Online help is available from any Enterprise Manager page. In most cases, clicking Help displays a context-sensitive help topic that contains information about the features available on the current page and related topics. The online help system provides substantial technical and reference information such as a complete metric reference, detailed conceptual information, and procedural instruction on how to carry out both simple and complex administrative tasks. Online help is a valuable resource for both gaining quick answers and learning Enterprise Manager.

PeopleSoft Environment Management Plug-in Installation

You install the PeopleSoft Environment Management Plug-in after you have installed the Oracle Enterprise Manager software and PeopleTools. The archive you download containing the plug-in software also contains the PeopleSoft Environment Management Plug-in installation instructions and a "readme" file. Read and understand both documents before beginning your installation.

For detailed information about Enterprise Manager features, benefits, documentation, and downloads refer to the Oracle Enterprise Manager 11g overview page on the Oracle Technology Network.

For information related to the version of Oracle Enterprise Manager Grid Control software that is required for the PeopleSoft Environment Management Plug-in, see the PeopleSoft certification information posted on My Oracle Support.

See Also

<http://www.oracle.com/technetwork/oem/grid-control/overview/index.html>

My Oracle Support, Certifications, PeopleSoft Enterprise

PeopleSoft Target Discovery

After you have installed all of the required software, you can begin the discovery of the PeopleSoft targets. PeopleSoft targets refer to the elements of a PeopleSoft environment, such as an application server, application database, PeopleSoft website, and so on.

The discovery process identifies and registers PeopleSoft targets in Enterprise Manager so that they can be monitored and managed.

See Also

[Chapter 3, "Discovering PeopleSoft Targets," page 29](#)

Monitoring and Managing Each of the PeopleSoft Target Types

After the PeopleSoft targets have been discovered you can begin monitoring and managing PeopleSoft systems and targets. Concepts and tasks relating to systems and targets are discussed in individual chapters devoted to each target type.

See Also

[Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," PeopleSoft Environment Management Plug-in Pages, page 10](#)

Chapter 2

Understanding the PeopleSoft Environment Management Plug-in

This chapter discusses:

- PeopleSoft Environment Management Plug-in overview.
- PeopleSoft Environment Management Plug-in features.
- PeopleSoft target types.
- The discovery process.
- Enterprise Manager Grid Control Console.
- PeopleSoft Environment Management Plug-in pages.
- Target homepages.
- Target administration.

PeopleSoft Environment Management Plug-in Overview

The PeopleSoft Environment Management Plug-in uses Oracle Enterprise Manager to provide an integrated, graphical user interface for monitoring and managing components of a PeopleSoft environment.

The entities that Enterprise Manager monitors and manages are called *managed targets*, which are separately manageable and named entities within the enterprise, such as databases, application servers, Process Scheduler servers, web servers, and so on.

The Oracle Enterprise Manager product includes the Management Agent, Oracle Management Service, Management Repository Database, and the Grid Control Console, which is a browser-based central console through which administrators can perform monitoring, administration, and configuration tasks for the enterprise.

Common Terms Used in This Book

Administrator Account	Administrator accounts provide users permission to perform administrative tasks and access administrative information. You can set up each administrator account to have its own roles, privileges, and notification rules. There are two types of administrator accounts: <ul style="list-style-type: none">• Super Administrator• Administrator
Alerts	Indicates a potential problem; either a warning or critical threshold for a monitored metric has been crossed. An alert can also be generated for various target availability states. Enterprise Manager provides various options to respond to alerts. Administrators can be notified automatically when an alert triggers and can set up corrective actions to resolve an alert condition automatically.
Beacon	A special target installed on an agent that runs a defined service test and reports the results to the Oracle Management Service to determine the status and performance of a service.
Dashboard	Presents information using intuitive icons and graphics that let you spot recent changes and quickly identify and respond to problems.
Discovery Process	The process of identifying and registering targets in Enterprise Manager so that they can be monitored and managed from the Enterprise Manager console. Targets are discovered one host at a time.
Enterprise Manager Grid Control Console	The Oracle Enterprise Manager web-based user interface for centrally managing the entire PeopleSoft environment. It can be accessed from a client workstation running a browser that meets the minimum client requirements of the Enterprise Manager.
Management Agent	A process deployed as binaries on each of the monitored hosts. It is responsible for monitoring all targets in the host, communicating the information to the middle-tier management service, and managing and maintaining the host and its targets.
Management Repository	This is an Oracle database that contains all the available information about administrators, targets, and applications managed within Enterprise Manager. Captured data is uploaded to the repository through the Oracle Management Service. The Repository organizes the data and makes it available for retrieval—allowing the data to be shared between any administrators accessing the Grid Control Console.
Oracle Management Service	A web application (J2EE-compliant) that renders the user interface for the Oracle Enterprise Manager Grid Control Console. It works with all management agents to process monitoring and job information, and uses the Management Repository as its data store. The Oracle Management Service (OMS) runs within the Oracle WebLogic Server layer of the framework.

PeopleSoft System	A group of targets that are associated with a particular PeopleSoft application database. Depending upon how many PeopleSoft applications you have installed, you may have multiple PeopleSoft Systems to manage.
PeopleSoft Global Unique Identifier (GUID)	A unique identifier for each PeopleSoft database. The GUID ties each target to a specific database and defines all targets referencing the same database GUID as a system. The GUID is generated and stored at the database layer. During the discovery process, the application server connects to the PeopleSoft application database and retrieves the GUID for that database. This value is derived from the PeopleTools PSOPTIONS table.
Policies	Define the desired behavior or characteristics of systems. By using preconfigured or custom policies, automated assessments of systems and applications are performed. Through alerts, you are notified of any deviations, such as inappropriate settings or incorrect system configurations.
Preferred Credentials	Simplify access to managed targets by storing target login credentials in the Management Repository. With preferred credentials set, users can access a target that recognizes those credentials without being prompted to log in to the target's host machine. Preferred credentials are set on a per user and per target basis, ensuring the security of the environment.
Roles	Enable you to group Enterprise Manager system and target privileges and grant them to administrators or to other roles. Privileges give the administrator rights to perform management actions within Enterprise Manager. Creating roles is an easy way to grant a predefined set of privileges to a group of administrators. If you change a role, the changes are automatically propagated to all administrators who are assigned that role.
Service	An entity that models a business process or application. Examples of services are HCM applications, online banking, and email services. You can define services by creating one or more service tests that simulate common end-user functions. Using these service tests, you can measure the performance and availability of critical business functions, receive alerts when there is a problem, identify common issues, and diagnose causes of failures.
System	A set of targets (hosts, databases, application servers, and so on) that function together to host one or more applications or services.

Super Administrator Account	<p>Can manage all other administrator accounts and set up all administrator credentials. In addition, the super administrator can:</p> <ul style="list-style-type: none"> • Create privileges and roles. • Perform the initial setup of Enterprise Manager. • Add targets to Enterprise Manager. • Perform actions on targets in the system.
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Note. Enterprise Manager is installed with a default super administrator account named SYSMAN. You use the SYSMAN account for the initial login to Enterprise Manager. Then, create new super administrator accounts as needed in your system.

Topology Viewer	Enables you to view the relationships between targets within the context of a system. You can perform some management actions from this view.
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Features of the PeopleSoft Environment Management Plug-in

The PeopleSoft Environment Management Plug-in:

- Installs into and integrates with the Oracle Enterprise Management System.
- Discovers and registers PeopleSoft targets.
- Monitors and manages PeopleSoft targets, which includes viewing performance metrics and performing actions such as start, stop, configure, and other specific tasks relevant to each target type.
- Submits and monitors Process Scheduler requests.
- Displays configuration data in a graphical user interface driven by metadata.

This ensures that you enter appropriate values and helps limit potential errors in configuration.

- Provides log management for PeopleSoft targets, including the ability to search, view, export, and purge log files.
- Creates a PeopleSoft system in Enterprise Manager based on the database.

This enables you to group all the targets in the system related to a PeopleSoft application database.

- Generates a graphical topology that displays the relationships between targets.
- Creates a *service* that simulates a transaction, such as login and logout, to monitor the availability of an application.

Using the Enterprise Manager Service Level Monitoring feature, you can also check the availability of a system or a feature of an application.

The PeopleSoft Environment Management Plug-in delivers a login and logout transaction service for a PeopleSoft system.

- Provides custom policies to evaluate configuration data for PeopleSoft target types.

PeopleSoft Target Types

PeopleSoft-specific target types allow monitoring and management of a PeopleSoft environment. They are:

PS Application Database (PS App DB)	Refers to the PeopleSoft application database running the application, such as CRM or HCM. There can only be one PeopleSoft application for each installed application database.
PS Application Server Domain	Key target type of a PeopleSoft environment. It does all of the complex logic and computations and builds the contents that the web server uses to display pages.
PS Process Scheduler Domain	Enables batch job scheduling and processing.
PS Process Monitor	Enables you to monitor and submit processes configured to run on a Process Scheduler server.
PS PIA	Allows Enterprise Manager to manage the PIA component. It corresponds to a <i>Web domain</i> in Weblogic, <i>server</i> in WebSphere, and <i>application/OC4J</i> in OAS (used for some pre-PeopleTools 8.50 implementations). This target type contains one or more PS Web Site targets.
PS Web Site	Comprises the specific web application and its corresponding HTML files, image files and resource files. It also includes configurations and page content. PS Web Site targets always belong to a PS PIA target.
PS Search Server Domain	Refers to a remote server running Verity search requests for one or more application server domains.

Managing User Accounts

Defining user access for the Enterprise Manager and the PeopleSoft targets is important and should be considered prior to installing the PeopleSoft plug-in to ensure you are aware of all the implications of the options. The options for managing the user accounts you use for installing, configuring, and implementing the PeopleSoft Plug-in are discussed in detail in the installation instructions.

See Also

Installation Guide: PeopleSoft Environment Management Plug-in 8.51 for Oracle Enterprise Manager

Chapter 11, "Security for PeopleSoft Environment Management Plug-in," page 99

The Discovery Process

Discovery is the process of searching for and registering PeopleSoft targets so that Enterprise Manager can monitor and manage them. It is the first step to be performed after you have installed all of the required software.

During this process, you use a series of Enterprise Manager screens to:

- Select the target types to be discovered.
- Enter credentials so that Enterprise Manager has access to the host where discovery is to be performed.
- Register the discovered targets in Enterprise Manager.
- Enter the information required to connect to the PROCESSREQUEST web service.
- Identify and register the Process Monitor target.
- Set environment variables needed to connect to the PeopleSoft application database.
- Identify and register the associated application database.
- Review the registered targets.

See [Chapter 3, "Discovering PeopleSoft Targets," Registering Targets, page 35.](#)

PeopleSoft Environment Management Plug-in Pages

This section discusses:

- The Enterprise Manager homepage
- The Targets tab
- The PeopleSoft subtab
- Target homepages
- Target administration pages

The Enterprise Manager Homepage

The Enterprise Manager homepage gives you a high-level view of the overall status of all the targets being monitored. It summarizes key information, such as availability across all managed targets, open alerts, policy violations, and recent problems with job executions. Links on this page enable you to drill down to access detailed performance information.

The homepage is the first page that appears when you log on to Enterprise Manager.

Overview
Total Monitored Targets **46**
All Targets Status

View: All Targets

All Targets Alerts
Critical 3
Warning 8
Errors 11

All Targets Policy Violations
Critical 95
Warning 13
Informational 2

All Targets Jobs
Problem Executions (last 7 days) 0
Action Required Executions (last 7 days) 0
Suspended Executions (last 7 days) 0

Target Search
Search: All

Security Policy Violations
Critical 94
Warning 12
Informational 2
New in Last 24 Hours 0

Recommended Security Patches
Security Recommendations **Unavailable**
My Oracle Support **Credentials Not Set**
Patch Recommendations are not available. My Oracle Support credentials are required.

Deployments Summary
View: Database Installations

Software Targets Without Inventory: 1 of 9

Database Installations	Targets	Installations	Patches Applied
Oracle Database 10g 10.1.0.4.0	1	1	No
Oracle Database 10g 10.1.0.5.0	0	1	No
Oracle Database 10g 10.2.0.1.0	0	1	Yes
Oracle Database 10g 10.2.0.3.0	0	1	No
Oracle Database 10g 10.2.0.4.0	1	1	No
Oracle Database 11g 11.1.0.7.0	5	4	No
Oracle9i 9.2.0.8.0	1	1	No

Oracle Enterprise Manager Homepage

The Targets Tab

Select the Targets tab to display a row of subtabs that further define targets by type, such as hosts, databases, middleware, and so on.

The PeopleSoft subtab is on the far right-hand side.

Note. Tabs can be reordered in Preferences, Target Subtabs.

The PeopleSoft Subtab

The PeopleSoft subtab provides the starting point for creating, discovering, accessing PeopleSoft targets.

Select Targets, PeopleSoft to display a page listing all of the PeopleSoft targets discovered and registered in Enterprise Manager and a status summary for each. You can filter the view so that only specific target types are shown.

The target types that display depend on the access rights or privileges that have been set for the user.

The screenshot displays the 'All PeopleSoft Targets' interface. At the top, there is a search bar with a dropdown menu set to 'All PS Targets' and a 'Go' button. To the right, it indicates 'Page Refreshed Aug 31, 2010 9:32:15 AM PDT' and a 'Refresh' button. Below the search bar, there are buttons for 'Remove', 'Start', 'Stop', and 'Create', followed by a dropdown menu set to 'PS Application Server Domain' and another 'Go' button. A 'View: Database' dropdown is also present. The main area contains a table with the following columns: 'Select Focus Name', 'Status', 'Type', and 'Host'. The table lists several targets, each with a checkbox, a status icon (upward arrow), a type, and a host name. At the bottom, there are additional control buttons similar to the top section.

Select Focus Name	Status	Type	Host
▼ PeopleSoft Targets			
Q851901I.db.61183842-84cd-11df-a92e-d53b6700ec25	↑	PS Application Database	RTDC79570VMC.dsi-inet.peoplesoft.com
Q851901I.app.st-hpp03.ds1_home_psoft_pt_PT851-901-I1	↑	PS Application Server Domain	st-hpp03.us.oracle.com
prcs-mntr.http.rtdc79549vmc.-1.PROCESSREQUEST_1_wsdl	↑	PS Process Monitor	st-hpp03.us.oracle.com
Q851901I.app.RTDC79570VMC.d_ptbuilds_pt851-901-i1	↑	PS Application Server Domain	RTDC79570VMC.dsi-inet.peoplesoft.com
psftWebLogicPIA.pia.RTDC79570VMC.d_ptbuilds_pt851-901-i1	↑	PS PIA	RTDC79570VMC.dsi-inet.peoplesoft.com
ps.psftWebLogicPIA.site.RTDC79570VMC.d_ptbuilds_pt851-901-i1	↑	PS Web Site	RTDC79570VMC.dsi-inet.peoplesoft.com
psftWebSpherePIA.pia.st-hpp03.ds1_home_psoft_pt_PT851-901-I1	↑	PS PIA	st-hpp03.us.oracle.com
ps.psftWebSpherePIA.site.st-hpp03.ds1_home_psoft_pt_PT851-901-I1	↑	PS Web Site	st-hpp03.us.oracle.com
Q851901I.prcs.st-hpp03.ds1_home_psoft_pt_PT851-901-I1	↑	PS Process Scheduler Domain	st-hpp03.us.oracle.com
▼ Unlinked Targets			

PeopleSoft Targets page

Refresh Redraws the page to show the most current status of the targets. Use the Page Refreshed value to determine how current the current display is.

Search Use the Search dropdown list to filter the display to show only the target types desired. For example, to show only application server domains, select *PS Application Server Domain* in the Search dropdown list, and click Go.

Add PeopleSoft Targets Displays the Add PeopleSoft Targets page where you can discover and register all valid PeopleSoft targets on a particular host. This initiates the discovery of PeopleSoft targets. This process is covered in more detail in another section in this document.

See [Chapter 3, "Discovering PeopleSoft Targets," page 29.](#)

Remove Click to remove targets registered in Enterprise Manager. Removing a target from Enterprise Manager registry does not delete it from its managed host, it is just no longer recognized by Enterprise Manager. Once a target is removed, you would need to re-add (re-discover) the target to manage it with Enterprise Manager again.

If a PS PIA and PS Web Site are related and you want to remove them from Enterprise Manager, Oracle recommends that you remove them both to avoid status and functional inconsistencies.

Note. You can select only a single target to remove at once.

Start, Stop

Use these buttons to start or stop the selected targets. Selected targets are those with a check mark in the Select column of the target grid. Starting and stopping targets from these buttons applies only to these target types:

- PS Application Server Domain
- PS Process Scheduler Domain
- PS Search Server Domain
- PS PIA

You can select multiple targets to start or stop simultaneously.

Start and Stop operations require that the target credentials are saved as preferred credentials for the selected targets. The selected targets that don't have the saved preferred credentials are ignored and will not be started and stopped. To set the preferred credentials for the targets, click the Preferences link, which is available in the top right corner on the Enterprise Manager console, then click the Preferred Credentials link. Select any target type, and set the preferred credentials for the required targets.

Create

To create an application server, Process Scheduler server, or search server domain, from the Enterprise Manager Console, click Create. The details related to this option are covered in another section of this document.

The commands that you submit from the Enterprise Manager are handled by an API layer that captures the commands and submits the appropriate, native, command line options on the host for the server type. For example, submitting the "configure domain" option in Enterprise Manager runs the following PSADMIN command:

```
psadmin -c configure -d domain
```

See [Chapter 5, "PS Application Server Domain Targets," Creating PS Application Server Domain Targets, page 51.](#)

View

Use the View dropdown list to determine how the PeopleSoft targets will be grouped. You can display the targets by:

- *Database*: Displays the PeopleSoft targets according to the database with which they are associated. Each target appears within an expandable node representing the database. For example, if you applied changes to your HCM database system, and needed to reboot all servers associated with that database, viewing by Database enables you to identify easily the targets that need restarting. PeopleSoft targets not belonging to any PS Application Database target appear under Unlinked Targets. If, for example, a PS Application Database with child targets is removed from the environment, the system moves the child targets to Unlinked Targets to indicate that they are "orphaned."
- *Host*: Displays the PeopleSoft targets according to the host on which they run. Each target appears within an expandable node representing the host. For example, if you need to bring down a server host for maintenance, you can view by host to identify the targets affected.

Note. Just after discovery, PeopleSoft targets may appear under Unlinked Targets until after a successful configuration collection.

Target Homepages

This section describes the common fields or links that appear on PeopleSoft target homepages. Not all elements will appear on every target homepage. For example, some elements appear only for database targets, while others appear only for Process Scheduler targets.

Common Elements on Homepages

General

Area that shows the general status of the target in terms of availability, CPU usage, memory usage and so on. If the host contains more than one CPU, the CPU usage value displayed is the cumulative usage of all the CPUs.

When relevant, this region also lists the related PS Application Database, PS Search Server, system, and host. Links that appear enable you to open either another page for more information or to access the page listed.

Status

Indicates the target's availability (up, down, and so on).

Start

Select to start the target.

Stop

Select to stop the target.

See *Oracle PeopleTools PeopleBook: System and Server Administration*.

Blackout

Select to manage or create a blackout for the target.

Availability % (availability percentage)	Shows the percentage of time, excluding any blackouts, that the target has been available since it was registered in Enterprise Manager.
Services Impacted	Shows the number of services that are impacted by the failure. (Displays only if a service is associated with the target and if the target's status is down because of a service failure).
Features	(PS Application Server Domain and PS Process Scheduler Domain targets only). Area that displays all of the PeopleSoft features available for the domain such as Quick Server, PUBSUB, Master Process Scheduler, and so on. This list appears only after the target's configuration data is saved in Enterprise Manager.
Alerts and Host Alerts	Area that lists any alerts that have been generated. When a metric threshold value is reached, an alert is generated. The most recent alerts are listed first. You can change the sorting by clicking the appropriate column header. By clicking a specific alert message, you can drill down to explicit details about the metric in alert.
Related Links	Area that lists all of the related links appearing on target homepages. Not all links will appear on every target homepage.
Policy Violations	Violations listed here reflect configuration issues that Enterprise Manager has detected. Click the links in this region to view the Policy Violations page where details about the violation appear.
Monitoring Configuration	Displays target properties such as domain name, PS_HOME, and PeopleTools version. <hr/> Note. Do not change these values unless instructed by technical support. <hr/>
Alert History	Displays a complete alert history of the target.
Access	Displays access type and the privilege associated with the target.
All Metrics	Shows all of the metrics defined for the target.
Blackouts	Displays the blackouts that have been defined for the target history. You can also set up a blackout from this page.
Target Properties	Shows target properties such as line of business, location, and contact.
Metric and Policy Settings	Displays the metric thresholds and policies defined for the domain.
Reports	Displays standard Enterprise Manager reports available for the target.
Open Telnet Session	Enables the user to open an ad hoc telnet session to the host of the target. (Appears only if the host of the target is UNIX-based).

Policies

The PeopleSoft Environment Management Plug-in delivers policies and any deviations to your systems or applications are reported. Examples of deviations include inappropriate settings and incorrect system configurations.

Target Administration Pages

This section describes the links that appear on PeopleSoft target administration pages. Not all elements will appear on every target administration page.

Common Elements on Administration Pages

Configure Domain

Opens the Configure Domain page where an administrator can edit domain configurations and save the changes.

See *PeopleTools PeopleBook: System and Server Administration*, "Working With Domain Configurations"

- If this domain is up *and* the Allow dynamic changes property is selected, only dynamic fields can be edited. All others are disabled.
- If this domain is down, all fields are enabled.

From the Configure Domain page, you can select Configure Environment Variables to edit settings that establish the connection from the domain to the application database. Depending on the database type of the domain, there are required, default environment settings shown for which you need to provide the appropriate values.

- Configuration details region.
 - Move the mouse over the information icon to display a description of the field.
 - If the dynamic icon is present, it means that the field is dynamic and a restart of the domain is not necessary if there were changes (and if the Allow dynamic changes option is set).
 - Enable check boxes display for some fields to accommodate any commented out properties within the configuration files. If desired, you can enable the commented out properties by selecting the check box.

See [Chapter 3, "Discovering PeopleSoft Targets," Setting Environment Variables, page 37.](#)

Create Like Domain

Equivalent to the Import Domain from another PS Application Server Domain or PS Process Scheduler Domain in the PSADMIN. You can create a like domain only within the same host referencing the same PS_HOME.

Compare Domain Configurations	Compares one domain configuration to another domain configuration.
Compare to Multiple Configurations (Jobs)	Compares one domain to two or more other domains or snapshots of saved domain configurations.
Last Collected Configuration	<p>Displays the latest configuration data gathered from the target. For example, if the target is an application server, this page shows its configuration properties collected from the psappsrv.cfg (Configuration tab) and psappsrv.ubx (Features tab) files and stored in the Management Repository.</p> <p>You can also select to save, compare, compare multiple options, and refresh.</p> <ul style="list-style-type: none"> • Save saves a copy of the configuration in the Management Repository. This may be retrieved later using the View Saved Configurations link. • Refresh enables you to request an on-demand configuration collection. Configuration collection values display after a refresh.
View Saved Configurations	Enables you to retrieve previously saved configurations. Saving a configuration snapshot is done from the Last Collected Configuration page.
History	Enables you to view a historical log of configuration changes to the target. The Category field defaults to the target type from which the link was invoked, in this case the application server.
Copy Configurations	<p>Copies configuration files from one existing domain to other domains within the same host. To make the changes effective, you must select the Configure Domain action in the target domains after the configuration copy. This overwrites the configuration files on the managed host.</p> <hr/> <p>Note. This feature does not work on domains that are currently running.</p> <hr/>
Start Domain	<p>Starts the domain serially, one process after another.</p> <hr/> <p>Note. If needed, you can abort the start process from the processing page.</p> <hr/>
Start Domain (Parallel)	This option initiates the start for all processes at the same time, which speeds up the boot up process. To view the status of this start, click the Process Status link on the Administration tab.
Stop Domain	<p>This action shuts down the domain gracefully and is equivalent to the Normal shutdown option in PSADMIN.</p> <hr/> <p>Note. If needed, you can abort the start process from the processing page.</p> <hr/>
Stop Domain (Forced)	Initiates a forced shutdown of the domain. This is useful for aborting processes that hang.

Purge/Archive Cache	<p>Enables you to purge and archive (optional) the server cache files of a domain. The domain does not need to be down.</p> <p>If you select Archive, enter the archive location. The default archive directory is %PS_CFG_HOME%/<domain>/archive. Ensure you have the fully qualified directory name. If the directory does not exist, the archive process will try to create it.</p> <hr/> <p>Note. If the domain is up, the output includes the Tuxedo boot process output for each application server process because this forces a restart of each application server process to remove memory cache.</p> <p>Sharing violation errors may occur on Windows machines during the file copy to the archive directory. These are normal.</p> <hr/>
Delete Domain	<p>The domain must be down before you can initiate a delete action. Selecting this action physically deletes the domain on the host and removes it from Enterprise Manager.</p>
Messaging Server	<p>Enables you to create dedicated publication and subscription (PUBSUB) servers for certain messaging queues used with PeopleSoft Integration Broker. An administrator uses this feature if there are high volumes of messages for certain channels or queues, and there is a requirement for prioritization of messages.</p> <p>Full target privileges are required to create, configure, and delete messaging queues.</p> <p>When you click the Messaging Server link, the Messaging Server Administration page appears showing a summary of all messaging servers that were previously created. From this view, you can select a messaging server and remove or reconfigure it, or create a new messaging server.</p> <p>To create a messaging server, click Create. You are prompted for a messaging server name, messaging type (Publication Broker, Publication Contractor or Subscription Contractor), and at least one messaging queue.</p> <p>A unique messaging queue name is required for queues of the same type across different messaging servers.</p> <p>For changes to take effect, you must configure and restart the domain.</p> <hr/> <p>Note. Link not available if the domain was created using the developer template.</p> <hr/>
Preload File Cache	<p>Enables you to preload server cache to the domain in order to achieve better performance in the application. The domain must be down and there must be a configured project file in the Preload Cache setting of the configuration file before performing this action.</p> <hr/> <p>Note. This option loads database cache as well (for systems running at least PeopleTools 8.51).</p> <hr/>
Clean IPC resources	<p>Enables you to free memory by cleaning IPC resources that may still exist in memory. This action requires the domain to be down; if not, the domain will be shut down.</p>

Access Tuxedo Command Line (TMADMIN)	Enables you to execute certain Tuxedo commands in the Enterprise Manager agent. The Access Tuxedo Command Line page appears with a free text field where you can enter commands. Click Execute to initiate the command. The results display in the scrollable region below the command field. If needed, you can abort this process.
Process Status	Shows the status of each process running within the PS Application Server, PS Process Scheduler, and PS Search Server Domains. This feature includes a View Status drop-down list that enables you to refresh the data being displayed either manually, every 30 seconds, every minute, or every 5 minutes. This is equivalent to server status in PSADMIN.
Client Status	Displays the status, user name, and workstation name of all clients that are connected to the PS Application Server Domain or PS Search Server Domain. From this view, you can monitor the users connecting to your application server domain.
Queue Status	Shows the number of requests queued for each PS Application Server process, PS Process Scheduler process, and PS Search Server process. This data helps determine whether more handlers need to be started to accommodate a large backlog or queued requests.
Execute Host Command	<p>Allows for the use of customized scripts that help manage PeopleSoft environments. Any type of shell or batch script is supported.</p> <p>Enter the path, script name and parameters in the Command text box, then click Execute. The output of the script is shown in the Output text box.</p>
Windows Services Management	<p>(Available only for domains running on a Windows host.) Enables you to configure and install a Windows service that can start and stop your application servers, Process Scheduler servers, and search servers automatically whenever the server machine boots.</p> <p>If selected, a Configure Windows Services page appears. You can edit the service for Service Start Delay.</p> <p>A table displays the domains that can be started from the Windows Service. You can add to or delete from this list.</p> <p>After adding the domains, you can click one of these:</p> <ul style="list-style-type: none"> • Save: To save the configuration changes to the psntsrv.cfg or pswinsrv.cfg file (depending on your PeopleTools version). • Save & Install: To save the configuration changes to the service configuration file and install the windows service at the same time. • Delete: To delete the Windows service. • Cancel: To return you to the Administration page without any further action.
Process Monitor	Launches the Process Monitor so that you can monitor processes running on the Process Scheduler server. (Applies to PeopleTools 8.50 and later.)

Schedule Process	Launches the Schedule Process interface so that you can submit processes to run on the Process Scheduler server. (Applies to PeopleTools 8.50 and later.)
Edit setEnv/ server.xml/ opmn.xml	<p>Click the link to access the file in text format using Enterprise Manager's Remote File Editor. Filenames depend on the web server type.</p> <p>The most common configuration adjusted in these files is the JVM heap size that is being used by PIA.</p> <ul style="list-style-type: none"> • Weblogic: setEnv.sh/setEnv.cmd • WebSphere: server.xml • OAS: opmn.xml <p>Click Save to have changes made to the file saved directly to the managed host. You can also select the Export to File feature. You must restart PIA for these changes to take effect.</p>
Start PIA	<p>Executes the delivered PeopleSoft start script unless you have a predefined custom script.</p> <hr/> <p>Note. Starting an OAS web server depends on the services managed by the Oracle Process Monitor (OPMN), which include an HTTP server service and the JVMs that host the PeopleSoft applications. These services are managed separately in Enterprise Manager. The OPMN and HTTP server services must be started to access and manage PIA.</p> <hr/>
Stop PIA	Brings down the PS PIA target using either the delivered or a predefined custom PeopleSoft stop script.
Weblogic Console/WebSphere Administration Console/(iAS) Console	<p>The link available depends on the type of web server installed. This URL link must be defined in the PeopleSoft System URL Setup link in a PeopleSoft System homepage.</p> <p>See Chapter 10, "PeopleSoft Systems and Services," PeopleSoft System URLs, page 95.</p>
Edit web.xml	Launches the Enterprise Manager Remote File Editor to display the web.xml file. You can edit the file in text format, then save the changes. Also, you can export the configuration file to your local machine. However, changes made to web.xml are not available in the Enterprise Manager configuration management historical changes.
Customize Start/Stop Scripts	<p>Enables users to change the startup and shutdown scripts used for each PS PIA target.</p> <p>Click this link to display a page to add or remove custom scripts. To add a script, select a file to search for or enter the path and filename in the field. Only one pair of start and stop scripts may be added.</p> <p>To revert to the PeopleSoft delivered scripts, delete the custom scripts.</p>

Configure Site	<p>Enables you to edit and save changes to your site configuration. The changes are saved to the configuration.properties file in the host.</p> <p>Click Save to save your changes to the file.</p> <p>You can configure PS Web Sites even when the site is running. However, you must restart PIA for configuration changes to take effect.</p>
Web Profile	<p>Opens a new browser window that accesses the Web Profile page in the PeopleSoft application. The URL for the Web Profile must be predefined in the PeopleSoft System URL page.</p> <p>See Chapter 10, "PeopleSoft Systems and Services," PeopleSoft System URLs, page 95.</p>
Integration Broker	<p>Opens a new browser window for the Integration Broker page in the PeopleSoft application. The URL must be predefined in the PeopleSoft System URL Systems page.</p>
PIA Signon	<p>Enables you to test the availability of the PIA signon page and the PeopleSoft application as a whole. The URL for the signon page must be predefined in the PeopleSoft System URL page.</p> <p>See Chapter 10, "PeopleSoft Systems and Services," PeopleSoft System URLs, page 95.</p>
Process Monitor Setup	<p>Launches the Process Monitor Setup page, where you provide the appropriate information to discover and register a Process Monitor target in Enterprise Manager.</p>

Target Log Management

The PeopleSoft Enterprise Management Plug-in enables you to view and access PeopleSoft-specific logs, traces or dump files for a target. These are the same logs you would access using PSADMIN or the file system on the host. Host credentials are required for the log interface to display.

Select Targets, PeopleSoft, <a target>, Logs to access the log interface. For example, if your target is a PS Application Server target, the PS Application Server Log page appears:

PS Application Server Domain: Q851901I.app.st-hpp03.ds1_home_psoft_pt_PT851-901-I1

Page Refreshed **Sep 16, 2010 11:49:15 AM PDT** [Refresh](#)

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Select a file and enter search criteria to perform a detailed search.

Select	Filename ▲	Path	Timestamp	File Size (bytes)	Purge
<input type="radio"/>	ANALYTICSRV_0913.LOG	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS	Mon Sep 13 23:53:59 PDT 2010	276	
<input type="radio"/>	ANALYTICSRV_0915.LOG	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS	Wed Sep 15 05:50:45 PDT 2010	4200	
<input type="radio"/>	APPSRV.LOG	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS	Mon Sep 13 23:40:37 PDT 2010	606	
<input type="radio"/>	APPSRV_0904.LOG	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS	Sun Sep 05 00:21:47 PDT 2010	116159	
<input type="radio"/>	APPSRV_0905.LOG	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS	Mon Sep 06 00:31:47 PDT 2010	116244	
<input type="radio"/>	APPSRV_0906.LOG	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS	Tue Sep 07 00:11:48 PDT 2010	116202	
<input type="radio"/>	APPSRV_0907.LOG	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS	Mon Sep 13 10:37:15 PDT 2010	109986	
<input type="radio"/>	APPSRV_0913.LOG	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS	Mon Sep 13 21:51:48 PDT 2010	55181	
<input type="radio"/>	APPSRV_0915.LOG	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS	Wed Sep 15 05:50:53 PDT 2010	1857	
<input type="radio"/>	MONITORSRV_0903.LOG	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS	Sat Sep 04 12:24:19 PDT 2010	668	

Logs page

Note. CORE files cannot be viewed, exported locally, or searched against.

Viewing a Log File

To view a log file, click the log filename. The View Log File page appears.

View Log File : APPSRV_0915.LOG

Page Refreshed Sep 16, 2010 10:52:08 AM PDT

Path/[ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q8519011/LOGS/](#)
 Timestamp [Wed Sep 15 05:50:53 PDT 2010](#)

```

PSAPPSRV.2011 (0) [09/15/10 05:49:59](0) PeopleTools Release 8.51-901-I1 (HP/UX) starting. Tuxedo server is APPSRV(99)/1
PSAPPSRV.2011 (0) [09/15/10 05:49:59](0) Cache Directory being used: /ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q8519011/CACHE
/PSAPPSRV_1/
PSAPPSRV.2011 (0) [09/15/10 05:50:01](2) App server host time skew is DB-00:00:01 (ORACLE Q8519011)
PSAPPSRV.2011 (0) [09/15/10 05:50:03](2) Use FTP Library has value : Y
PSAPPSRV.2011 (0) [09/15/10 05:50:03](0) Server started
PSAPPSRV.2024 (0) [09/15/10 05:50:06](0) PeopleTools Release 8.51-901-I1 (HP/UX) starting. Tuxedo server is APPSRV(99)/2
PSAPPSRV.2024 (0) [09/15/10 05:50:06](0) Cache Directory being used: /ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q8519011/CACHE
/PSAPPSRV_2/
PSAPPSRV.2024 (0) [09/15/10 05:50:07](2) App server host time skew is DB-00:00:01 (ORACLE Q8519011)
PSAPPSRV.2024 (0) [09/15/10 05:50:09](2) Use FTP Library has value : Y
PSAPPSRV.2024 (0) [09/15/10 05:50:09](0) Server started
PSSAMSRV.2044 (0) [09/15/10 05:50:11](0) PeopleTools Release 8.51-901-I1 (HP/UX) starting. Tuxedo server is APPSRV(99)/100
PSSAMSRV.2044 (0) [09/15/10 05:50:11](0) Cache Directory being used: /ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q8519011/CACHE
/PSSAMSRV_100/
PSSAMSRV.2044 (0) [09/15/10 05:50:13](0) Server started
PSDBGSRV.2895 (0) [09/15/10 05:50:48](0) PeopleTools Release 8.51-901-I1 (HP/UX) starting. Tuxedo server is DBGSRV(97)/1
PSDBGSRV.2895 (0) [09/15/10 05:50:48](0) Cache Directory being used: /ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q8519011/CACHE
/PSDBGSRV_1/
PSDBGSRV.2895 (0) [09/15/10 05:50:50](0) Server started
PSRENSRV.2902 [09/15/10 05:50:53](0) PeopleTools Release 8.51-901-I1 (HP/UX) starting. Tuxedo server is RENGSRV(92)/101
PSRENSRV.2902 [09/15/10 05:50:53](3) Switching to new log file /ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q8519011
/LOGS/PSRENSRV_0915.LOG
  
```

500 lines of the log file are displayed per page.

View Log File page

If you have searched for a string, you can also click the link by the line number or the string (in the results area) to display the View Log File page.

The initial view contains 500 lines and the string is the last one shown. Click Previous, Next, Top, or Bottom to navigate through the file.

The log filename is also available within the search results area.

Refresh Click Refresh to refresh the screen.

Export to file To export the log file to your workstation, click Export to File on the View Log File page. You can open the file in the text editor of your choice, such as Notepad or save the file to your workstation.

Searching for Strings in a Log File

To search for a string in a log file:

1. Select the file you want to search, using the radio button in the Select column.
2. Scroll to the bottom of the Logs page.
3. Enter the desired search string in the Search String edit box.

4. Click Search.
5. In the Search Results grid, review the instances of the search string found in the log file

Instances of the search string appear by line in the Search Results grid. The log information displayed includes the line number in the log file in which the string is found, the date and time, the server process involved, and the phrase or sentence containing the string.

Search String

Filename: [APPSRV_0904.LOG](#)

Search Results

Line #	Date/Time	Process Name	Process ID	Text
37	09/04/10 02:26:58	PSAPPSRV	12996	PSAPPSRV.12996 (0) [09/04/10 02:26:58](0) Server started
53	09/04/10 03:12:02	PSAPPSRV	10254	PSAPPSRV.10254 (0) [09/04/10 03:12:02](0) Server started

Date and Time fields refer to the Date and Time log within the file and not the timestamp of the file.

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Logs page: searching log files

Log Management Setup

The log management feature enables you to view PeopleSoft specific logs, traces or dumps for a target. You can also:

- Customize log patterns.
- Schedule log file purging and archiving.

Customizing Log Patterns

On the Logs page, click the Log Management Setup link in the Related Links region to display the Log Management Setup page where you can define the log file types to manage for each target. You can add and remove log file types as needed. From this page you can also schedule purge and archive jobs.

Log Management Setup: PS Application Server Domain: Q851901I.app.st-hpp03.ds1_home_psoft_pt_PT851-901-I1

Home Performance Administration **Logs**

Log Patterns

These are the types of PeopleSoft logs for your target that you can manage. Add or Remove log types as necessary. OK

Remove | Add Schedule Purge and Archive Job

Select Log Paths and Patterns

<input checked="" type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/ULOG*.*
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/stderr
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/stdout
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS/*.LOG
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS/*.dmp
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS/*.log
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS/*.lp
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS/*.mps
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS/*.tracesql
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS/*.trc
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS/TUXLOG.*
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS/peopletools_state*
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/Q851901I/LOGS/process_state*
<input type="radio"/>	/ds1/home/psoft/pt/PT8.51-901-I1/appserv/core

Remove | Add Schedule Purge and Archive Job

OK

Log Management Setup page

Scheduling Log File Purging and Archiving

To set up the schedule for a purge, click Schedule Purge and Archive Job. The Create PS Purge Archive Log Job page appears. From this page you can define the log patterns you want to purge, or archive and set a schedule.

Create 'PS Purge Archive Log' Job

Cancel Save to Library Submit

General Parameters Credentials Schedule Access

* Name: PURGE TEST
 Description: Test purging features.
 Target Type: PS Application Server Domain
Changing the target type will cause any specified Targets, Parameters and Credentials to be removed.

Target
 Add individual targets or one composite target, such as a Group.

Remove | Add

Select All | Select None

Select	Name	Type	Host	Time Zone
<input checked="" type="checkbox"/>	Q8519011.app.st-hpp03.ds1_home_psoft_pt_PT851-901-11	PS Application Server Domain	st-hpp03.us.oracle.com	Pacific Daylight Time

General Parameters Credentials Schedule Access

Cancel Save to Library Submit

Create 'PS Purge Archive Log Job' page

General Use the General tab to enter a name and description for the job. The targets available to select for a scheduled purge or archive are listed in the Target grid.

Parameters Displays all of the log patterns being managed for a target. Select which log patterns to purge or archive.

The retention period is the length of time that the log file should be saved before being archived or purged. The default for purge is 7 days.

If you select archive, you need to specify a valid archive directory to which write access has been granted.

The remaining tabs (Credentials, Schedule, and Access) are standard Enterprise Manager pages.

Host Log Alert Settings

To set a log alert, click the Metric and Policy Settings link in the Related Links region of the host homepage. From the Metric list, adjust the settings for Log File Pattern Matched Line Count. For example, you could adjust the patterns to be searched and the thresholds.

See Also

[Appendix A, "Configuration and Metric Data Collected," page 107](#)

[Appendix D, "Target Policies," page 129](#)

Starting and Stopping Targets Using Jobs

The Oracle Enterprise Manager framework allows the automation and delegation of routine tasks on multiple targets. These tasks are completed using jobs, which you define on the Jobs tab in the Enterprise Manager console. The PeopleSoft plug-in provides these predefined jobs to manage selected PeopleSoft targets:

- Start PeopleSoft Domains
- Stop PeopleSoft Domains

Creating start and stop jobs applies to these PeopleSoft targets:

- PS PIA
- PS Application Server Domain
- PS Process Scheduler Domain
- PS Search Server Domain

Note. Prior to including a target in a job, it must first have been discovered.

Note. If multiple targets are included in the job, they can reside on separate hosts.

Create 'Stop PeopleSoft Domains' Job

* Name:
 Description:
 Target Type:
Changing the target type will cause any specified Targets, Parameters and Credentials to be removed.

Target

Add individual targets or one composite target, such as a Group.

|

|

Select	Name [△]	Type	Host	Time Zone
<input checked="" type="checkbox"/>	Q851901L.app.RTDC79570VMC.d_ptbuilds_pt851-901-i1	PS Application Server Domain	RTDC79570VMC.dsi-inet.peoplesoft.com	Pacific Daylight Time
<input checked="" type="checkbox"/>	Q852102L.app.RTDC79570VMC.d_ptbuilds_pt852-102-i1	PS Application Server Domain	RTDC79570VMC.dsi-inet.peoplesoft.com	Pacific Daylight Time

Create Job page

To create a Start/Stop PeopleSoft Domain job:

1. Click the Jobs tab in the Enterprise Manager console.

2. On the Job Activity page, select one of the following from the Create Job dropdown:
 - *Start PeopleSoft Domains*
 - *Stop PeopleSoft Domains*
3. On the General subtab:
 - Enter a job name and description.
 - Select the appropriate value from the Target Type dropdown: *PS Application Server Domain, PS PIA, PS Process Scheduler Domain, PS Search Server Domain.*
 - Click Add to display a list of applicable targets, and select the targets you wish to include in the job.
4. Skip the Parameters subtab (it does not apply).
5. On the Credentials subtab, select the credentials for the job to use.
6. On the Schedule subtab, specify whether the job should run immediately, a specific time in the future, or on a repeating schedule.
7. On the Access subtab, modify any required user access to the job.

To see the job result, select Jobs, Job Activity, and click the desired job on the Job Activity page.

See Also

Oracle Enterprise Manager Administration 11g Release 1 (11.1.0.1), "Job System"

Chapter 3

Discovering PeopleSoft Targets

This section provides an overview and discusses how to:

- Add PeopleSoft targets.
- Register targets.

Understanding the Discovery Process

Discovery is the process of an agent identifying predefined target types, registering them in Enterprise Manager, and collecting their target properties and initial configuration data. The agent sends this data to the Oracle Management Service, which processes the data and loads it into the Management Repository. From there, Enterprise Manager can access data about the target to monitor and manage it.

Note. Discovery requires that the Enterprise Manager user be assigned the role of a super administrator.

Understanding Steps in the Discovery Process

The following steps outline how to initiate the discovery of PeopleSoft targets:

- From the PeopleSoft subtab page, click Add PeopleSoft Targets, where you select the target types to be discovered. Specify the host, discovery path for PS_HOMEs, PS_CFG_HOMEs, and PIA_HOMEs, and subdirectory crawl depth.
- From the Target Credentials page, enter the credentials for the host where discovery executes.
- After discovery, register the specific target in Enterprise Manager.
- Enter the information required to connect to the PROCESSREQUEST web service.
- Identify and register the Process Monitor target.
- Set environment variables for platforms requiring them, and add a PeopleSoft application database (discovering a PS Application Database target).

See [Chapter 3, "Discovering PeopleSoft Targets," Registering Targets, page 35.](#)

Understanding UNIX Login Shell Support

The PeopleSoft plug-in supports the login shell for the user who installed PeopleTools or created domains. This requires the user profile (.profile) to be set prior to discovery of PeopleSoft targets.

Login shell support provides these advantages:

- Automatic discovery of the PS Application Database.
- Setting environment variables for each Tuxedo-based domain is not required.
- Less environment related issues.

When using a login shell, consider the following:

- There is an additional step to create a user profile (if one does not exist).
- Only Bourne compatible shells (like sh, bash, and so on) are supported.
- Interactive login profiles are not supported.

Adding PeopleSoft Targets

To begin discovery, select Targets, PeopleSoft. Click Add PeopleSoft Targets to display the Add PeopleSoft Targets page.

Add PeopleSoft Targets

This process will discover and register all valid PeopleSoft targets of your host in Enterprise Manager.

PeopleSoft Target Types

<input checked="" type="checkbox"/> PS_HOME/PS_CFG_HOME	<input checked="" type="checkbox"/> PS Search Server Domain
<input checked="" type="checkbox"/> PS Application Server Domain	<input checked="" type="checkbox"/> PS PIA and PS Web Site
<input checked="" type="checkbox"/> PS Process Scheduler Domain	

* Host

* Discovery Path
Enter the fully-qualified path on the specified host. To include multiple paths, separate them with a semi-colon (;) e.g.c:\jrd\; UNC paths are not supported.

* Crawl Depth
Enter the number of directory levels deep that the discovery process should check. A large number may slow down the discovery process

Modify OS Group Permissions of PS_HOMES
This checkbox is applicable for Peopletools 8.48 and 8.49, Peopletools 8.50 and higher version comes with permission scripts and they need to be executed manually. If checked, Enterprise Manager will automatically change the group permissions. If unchecked, a script will be generated in the temp directory of the host that can be run independently by the system administrator. This is only available for UNIX and Linux based platforms

Add PeopleSoft Targets page

From this page, you can select one or more target types for the discovery process running on a single host.

Note. The first discovery process should be run on a host containing any of the Tuxedo-based domain targets, which are PS Application Server, PS Process Scheduler, and PS Search Server Domains. The host should have the same time zone as the PS Application Database to which it's connected, and the same timezone of most of the other PeopleSoft servers or hosts. During this initial discovery, the system expects that the PS Application Database will be also be discovered.

The PeopleSoft Enterprise Manager Plug-in can monitor only PS Application Databases from Tuxedo domain targets that are in the same timezone. When the database is registered in Enterprise Manager, it must be the database of most of the Tuxedo domain targets.

For example, assume you have a PeopleSoft environment with four UNIX servers with PS Application Server domains in one timezone and one Windows server with a Process Scheduler domain in another timezone. You should execute the first discovery on one of the four UNIX servers. You should not execute the discovery first on the Windows server.

Note. When the Percentage of Memory Growth parameter in the [PSAPPSRV] section of the application server domain configuration file (psappsrv.cfg) is uncommented, then the parameter needs to be uncommented in the corresponding metadata file, psappsrv.cfx, as well. This will ensure successful discovery of the PS Application Server Domain Target and Application Database Target when this parameter is uncommented.

Note. For Solaris platforms, to ensure successful discovery, unset LD_LIBRARY_PATH_64 environment variable. Do this by adding `unset LD_LIBRARY_PATH_64` to the .profile.

Selecting PeopleSoft Target Discovery Options

PeopleSoft Target Types All target types are selected by default. The PS_HOME/PS_CFG_HOME target check box cannot be cleared because Enterprise Manager must discover it first to establish the basis of the PeopleSoft system. When the PS_HOME and PS_CFG_HOME directories are found, the search continues for any PeopleSoft targets present (for example, an application server, web server, Process Scheduler, and so on).

A PS Web Site cannot be registered without a parent PS PIA target having been registered in a current or a previous discovery process.

Note. Beginning with PeopleTools 8.50, with decoupled PIA_HOMEs and PS_CFG_HOMEs, provide the path to PS_CFG_HOME or PIA_HOME. If PS_HOME is secure (read-only) it may not contain any targets. The discovery process will discover all the selected targets in the specified path.

Host Select the host on which your desired targets run. The system verifies that you have entered a valid host.

Note. The list of hosts only displays those hosts on which Enterprise Manager agents have been installed and registered with the OMS. By default, the system displays all hosts on which a registered Enterprise Manager agent exists, regardless of whether any PeopleSoft elements have been installed on that host.

Discovery Path Enter the paths from which the search (crawl) should begin. Separate multiple paths with a semicolon.

The path should include PS_HOME, PS_CFG_HOME, and PIA_HOME, (as appropriate for your installation). A path with spaces should be enclosed with double quotes. For example:

```
"c:\documents and settings\user\psft\pt\850"
```

Note. The discovery path does not support UNC mapping. The discovery path should contain only local drives. The PeopleSoft Plug-in does support a remote/shared read-only PS_HOME (with a UNC path) for Windows (on PeopleTools 8.50 or later). PS_CFG_HOME should be a local folder and provided in the discovery path. If the PS_CFG_HOME points to a remote PS_HOME (UNC path), PeopleSoft plug-in discovers it.

Note. When discovering PS PIA and PS Web Site targets in OAS (pre-8.50), Enterprise Manager searches the directory structure of any existing OAS targets.

Crawl Depth Specify the number of nested directories that an agent crawls during the discovery process. The default is 2.

Crawl depth applies to each directory entered in the discovery path. For example, if you specify a value of 3 and have more than one discovery path listed, the agent searches 3 levels in each directory.

Modify OS Group Permissions of PS_HOMEs

Allows the group of the PS_HOMEs' user ID to read, write and execute permissions on all the PS_HOMEs that will be discovered. (Disabled in Windows).

- When the check box is selected, Enterprise Manager modifies the file system permission on discovered PS_HOMEs to:
 - User: read, write and execute
 - Group: read and execute
 - Other: read
 - UNIX: terms 754
- When the check box is not selected, a script is created in the *PS_HOME* /psem/permission.sh directory so that a system administrator can run the script manually.

Note. If you do not set the permissions correctly, Enterprise Manager cannot collect monitoring information, and you may see unpredictable results.

Note. This option applies only to pre-PeopleTools 8.50 level targets, and applies only to UNIX and Linux based environments. PeopleTools 8.50 and higher versions come with permission scripts that need to be executed manually. If checked, Enterprise Manager will automatically change the group permissions. If unchecked, a script will be generated in the /temp directory of the host that can be run independently by the system administrator.

Note. If Enterprise Manager detects any warnings during discovery, a Discovery Warnings link appears below the discovery results. Click the link to open a page that lists all the warnings encountered.

One common warning involves the psconfig.sh process being run before the Enterprise Manager agent has been started. In this case, discovery will be unsuccessful. The warning message instructs you to shut down the agent, restart it and then run psconfig.sh.

Using login shells can also cause issues during discovery (depending on the platform). You may need to set the profile correctly and restart the discovery process. If there are previous processes running then kill these before restarting the discovery process (`kill <pid>`, `kill -9 <pid>`).

Working With Target Naming Conventions

Enterprise Manager requires that all discovered targets be assigned a unique name that serves as the target's key. The following table describes target naming conventions.

Target Type	Naming Convention	Example
PS Application Database	<DBName>+db.+<PeopleSoft GUID>	CRMPRD.db.66ce0b93-85bb-11d9-92af-fa37c30c4526 where DBName = CRMPRD GUID = 66ce0b93-85bb-11d9-92af-fa37c30c4526
PS Application Server Domain	<domain>+app+<host>+<PS_HOME>	CNVCRM.app.server1.usr_local where domain = CNVCRM Host = server1 PS_HOME = /usr/local
PS Process Scheduler Server Domain	<domain>+prcs+<host>+<PS_CFG_HOME>	CNVCRM.prcs.server1.usr_local
PS Search Server Domain	<domain>+srch+<host>+<PS_CFG_HOME>	CNVCRM.srch.server1.usr_local
PS PIA using WebLogic or WebSphere	<PIA domain name>+pia+<host>+<PS_HOME>	peoplesoft.pia.server1.usr_local where PIA domain name = peoplesoft
PS PIA using OAS (pre-PeopleTools 8.50)	<domain>+pi+<host>+<OAS_ORA_HOME>	peoplesoft.pia.server1.usr_local_oas where OAS_ORA_HOME = /usr/local/oas
PS Web Sites using WebLogic or WebSphere	<site name.PIA domain name>+site+<host>+<PS_HOME>	ps.peoplesoft.site.server1.usr_local where site name = ps
PS Web Sites using OAS (pre-PeopleTools 8.50)	<site name.PIA domain name>+site+<host>+WEBSERVER_ORA_HOME	ps.peoplesoft.site.server1.usr_local_oas
PS Process Monitor	prcs-mntr.<protocol>.<host>.<port>.<wsdl file name>	prcs-mntr.http.pta137.10180.PROCESSREQUEST_1_wsdl

Additional naming conventions:

- If the host name has the fully qualified DNS name, the name server1.peoplesoft.com becomes server1.
- A Windows path, for example C:\ptinstall\appserv, becomes c_ptinstall_appserv. Any dots (.) or colons (:) are removed, and backslashes (\) and spaces are replaced with an underscore (_).

Target Credentials

When you have entered all discovery values, click Next. The Credentials page appears.

Enter the credentials for the host machine on which you want to run the discovery process.

Registering Targets

After the discovery process completes, you must register the targets in Enterprise Manager.

To register PeopleSoft targets:

1. When discovery is finished, examine the displayed list of targets, and deselect any that you do not want to register.

When the discovery process completes, a page displays a list of the discovered PeopleSoft targets that are not yet registered in Enterprise Manager. Any targets previously discovered and registered are excluded from the list. All listed targets are selected by default on the Add PeopleSoft Targets page. Clear any discovered targets that you do not want to register.

Note. A PS PIA target can be registered without a corresponding PS Web Site target. However, a PS Web Site target cannot be registered without also having a registered PS PIA (parent) target.

Note. To register a PS Process Monitor target, there must be a corresponding PS PIA target.

2. Click Next.

All targets selected are registered in Enterprise Manager. Their initial configuration values are collected and loaded into the repository.

The discovery process continues for the Process Monitor setup if there are any PS PIA 8.50 targets. After clicking Next, it continues for the PS Application Databases.

Note. Before a PS Process Monitor target can be discovered, you need to configure the PROCESSREQUEST web service for use within Integration Broker and Process Scheduler.

See [Chapter 3, "Discovering PeopleSoft Targets," Adding and Registering PS Process Monitor Targets, page 39.](#)

3. Specify any required environment variables.

The Add PeopleSoft Application Database page appears showing a list of targets for which environment variables may need to be set.

This step is optional with the PeopleTools 8.50 and later versions of the PeopleSoft Plug-in. Verify that the user profile is correctly set with the required environment variables.

The list includes all PS Application Server Domains, PS Process Scheduler Domains, and PS Search Server Domains registered in Enterprise Manager in this or a previous discovery.

Set Environment Variables	Click to configure settings that enable connection to an application database—use this following your selection in the Select column.
Select	Check box to determine for which targets you want to allow editing of the environment variables.
Name	Name of the PS Application Server Domain, Process Scheduler Domain, or PS Search Server Domain that can have a PS Application Database. This value displays as a link to the target homepage, which you can select to open in a new window.
Target Type	The type of target being registered.
DB Type	The type of database to which the target is connecting.
Environment Set	Shows a green check mark when environment variables have been set for the database (if required for a specific database type). Shows a red X when environment variables have not been set. The environment variables referred to in this field are database connectivity parameters and vary depending on the database type.
Databases Discovered	Shows a green check mark when the application database is successfully discovered which means that Enterprise Manager can collect configuration data from the target and collect the PeopleSoft GUID from the application database. Shows a red X when discovery is unsuccessful. Possible reasons are: <ul style="list-style-type: none"> • The environment variables have not been set correctly. Verify them on the Set Environment Variables page. • The database information is incorrect. Select the target to open it in a new window. Select the Administration tab, then Configure Domain to display configuration data. Validate database information here. • The configuration collection has failed. Select the link for the target in the Name column. The target homepage appears where you can check for metric collection errors displayed above the Alerts section.
Discover Related Databases	Click this icon to initiate discovery.

4. Click Next.

The green check mark indicates that the application database associated with that target is registered in Enterprise Manager.

Note. If you need to set environment variables, see the following section.

5. When prompted, click OK on the confirmation pages. When finished, click Next.

The processing page for registering the specific application database appears. When complete, the system displays a page reporting the summary of discovery results. Once reviewed, click OK.

6. The PeopleSoft subtab appears showing the newly discovered targets.

Note. There is a difference between creating a target and adding a target. If you use the create feature, Enterprise Manager creates a *new* domain on the managed host. If you use the add feature (Add PeopleSoft Targets), Enterprise Manager searches for *existing* domains in the managed host that have not been registered in the Enterprise Manager.

Setting Environment Variables

Setting environment variables means specifying basic database connectivity parameters for the database type you are using. When you select Set Environment Variables for any target, the Set Environment Variables page appears showing two columns listing the required environment variables and corresponding values.

Note. Setting environment variable entries are applicable when the profile is not set for a login shell script.

After you have entered the values on the Set Environment Variables page, they are added to the Environment Variables list if they do not already exist. Therefore, based on the database type previously configured, the regions on this page may have tables prepopulated with the required environment variables.

Database Type	Required Environment Variables
Oracle	\$ORACLE_HOME
Informix	\$INFORMIXDIR \$INFORMIXSERVER
Sybase	\$\$SYBASE \$\$SYBASE_OCS
DB2OS390	\$DB2DIR \$DB2INSTANCE

Database Type	Required Environment Variables
DB2UNIX	<p>\$DB2DIR</p> <p>\$DB2INSTANCE</p> <p>Get the correct values of DB2DIR and DB2INSTANCE from the command console on the host machine. For example:</p> <pre>pt-ibm03:\$. ./psconfig.sh pt-ibm03:\$ echo \$DB2DIR /opt/IBM/db2/V9.1 pt-ibm03:\$ echo \$DB2INSTANCE db2udb9</pre>
Microsoft SQL Server	Entry of environment variables is not required. The default values from MSSQLSERVER are inserted.

Note. The environment variable values are not validated when you enter them. Furthermore, an agent does not inherit the environment variable values of the user initiating an action. For an action to be successful, values for environment variables must be set correctly.

By default, some environment variables appear on the Set Environment Variables page that displays during discovery (see table above), where you can set the values. However, other environment variables, such as LD_LIBRARY_PATH, PATH, SHLIB_PATH, and LIBPATH may also need to be set for each discovered domain.

If you have only one installed PeopleTools and Tuxedo version on a managed host machine, you can set environment variables for an agent prior to starting that agent. However, if you have multiple installed versions of PeopleTools or Tuxedo on a managed host machine, the environment variables must be set for each discovered domain as part of the discovery process.

When using a login shell script, the following variables are required to be defined in the \$HOME/.profile (similar to the table above).

- Common environment variables: LD_LIBRARY_PATH, PATH, SHLIB_PATH, LIBPATH
- Database-specific variables: ORACLE_HOME, ORACLE_SID, TNS_ADMIN, INFORMIXDIR, INFORMIXSERVER, SYBASE, SYBASE_OCS, DB2DIR, DB2INSTANCE
- Tuxedo: TUXDIR

Note. There are multiple ways to update \$HOME/.profile. The following is only an example.

To modify the \$HOME/.profile:

1. Start a new telnet session as the appropriate user ID (posft, emagent, and so on).
2. Select the correct values at the login prompt for database, SQR, COBOL, and so on.
3. Use <set> or <env> commands to retrieve the values of the necessary environment variables.
4. Update \$HOME/.profile with these environment variables, using the VAR=<value>; export VAR syntax.

- Logout and log into a new telnet session as the same user ID and make sure you see a message indicating that a .profile exists.

For example:

```
WARNING: .profile exists, bypassing /etc/profile
```

The following example illustrates a sample .profile for a PeopleSoft user in a multiuser configuration:

```
TUXDIR="/tuxedo/prod/10gR3-j10gR3-64bit"; export TUXDIR
ORACLE_HOME="/products/oracle/10.2.0.1"; export ORACLE_HOME
ORACLE_SID="test10201"; export ORACLE_SID
TNS_ADMIN="/dsl/home/psoft"; export TNS_ADMIN
PATH="/dsl/home/psoft/pt/8.50-809-R1/jre/bin:$/jre/bin:/jre/prod/1.6.0/bin:/
bin:/sbin:/usr/
sbin:/usr/bin:/usr/local/bin:/usr/ccs/bin:/usr/local/etc:/usr/bin/
X11:/usr/ucb:./tuxedo/prod/
10gR3-j10gR3-64bit/bin:/cobol/prod/svrex-5.0_wp4-64bit/bin:/clrcase/
prod/7.0.1/bin:/products/oracle/
10.2.0.1/bin:/pt/bin:/pt/products/solaris-10-sparc/bin:/pt/products/
solaris-10-sparc/rational/bin:$/bin:
$/bin/sqr/ORA/bin:/dsl/home/psoft/pt/8.50-809-R1/bin:/dsl/home/psoft/
pt/8.50-809-R1/bin/sqr/ORA/
bin:/dsl/home/psoft/pt/8.50-809-R1/verity/solaris/_ssol26/bin"; export PATH
SHLIB_PATH="/lib:/usr/lib:/usr/local/lib:/usr/lib/X11:/tuxedo/prod/
10gR3-j10gR3-64bit/lib:/cobol/prod/
svrex-5.0_wp4-64bit/coblib:/products/oracle/10.2.0.1/lib32:/products/
oracle/10.2.0.1/lib:/pt/products/solaris-10-sparc/lib"; export SHLIB_PATH
LIBPATH="/lib:/usr/lib:/usr/local/lib:/usr/lib/X11:/tuxedo/prod/
10gR3-j10gR3-64bit/lib:/cobol/prod/
svrex-5.0_wp4-64bit/coblib:/products/oracle/10.2.0.1/lib32:/products/
oracle/10.2.0.1/lib:/pt/products/solaris-10-sparc/lib"; export LIBPATH
LD_LIBRARY_PATH="/dsl/home/psoft/pt/8.50-809-R1/jre/lib/sparcv9/
native_threads:/dsl/home/psoft/pt/
8.50-809-R1/jre/lib/sparcv9/server:/dsl/home/psoft/pt/8.50-809-R1/jre/
lib/sparcv9:/lib:/usr/lib:/usr/local/lib:/usr/lib/X11:/tuxedo/prod/
10gR3-j10gR3-64bit/lib:/cobol/prod/svrex-5.0_wp4-64bit/coblib:/
products/oracle/10.2.0.1/lib32:/products/oracle/10.2.0.1/lib:/pt/
products/solaris-10-sparc/lib:/dsl/home/psoft/pt/8.50-809-R1/
bin:/dsl/home/psoft/pt/8.50-809-R1/bin/interfacedrivers:/dsl/home/
psoft/pt/8.50-809-R1/bin/sqr/ORA/bin:/dsl/home/psoft/pt/8.50-809-R1/
optbin:/dsl/home/psoft/pt/8.50-809-R1/verity/solaris/_ssol26/bin:/products/
oracle/10.2.0.1/lib"; export LD_LIBRARY_PATH
```

Adding and Registering PS Process Monitor Targets

This section provides an overview and discusses:

- Configuring PROCESSREQUEST Web Service.
- Adding PS Process Monitor Targets From Discovery Results Page.
- Adding PS Process Monitor Targets From the Process Monitor Setup Page.
- PS Process Monitor Configuration Variables.
- Working with custom SSL configurations.

Understanding PS Process Monitor Discovery

Registering PS Process Monitor targets requires a few additional steps that need to be completed prior to the discovery process. Before you can discover and register a PS Process Monitor target, at least one PS PIA target needs to be discovered, and the PROCESSREQUEST web service must be published through the Integration Gateway.

You discover and register PS Process Monitor targets using:

- Add PeopleSoft Targets: Discovery Results page.
- Process Monitor Setup page.

The following information assumes that you have a working knowledge of PeopleSoft Integration Broker and have it configured in your environment.

See Also

PeopleTools 8.51 PeopleBook: Integration Broker Administration

Configuring PROCESSREQUEST Web Service

To configure the PROCESSREQUEST web service:

1. Configure Integration Broker for your environment.

Make sure to specify a *Secure Target Location*.

2. Select PeopleTools, Integration Broker, Integration Setup, Services, enter PROCESSREQUEST, and click Search.
3. Open each service operation and verify that Security Verification is set to one of the following:
 - *Encrypt/Digital Sign or SSL*
 - *Encrypt or SSL*
 - *Digital Sign or SSL*
 - *SSL*
4. Select PeopleTools, Integration Broker, Web Services, Provide Web Service, open PROCESSREQUEST on the Select Services page, and click Next.
5. On the Select Service Operations page, select Use Secure Target Location, (to create a secure end point address in WSDL), select all service operations, and click Next.
6. On the View WSDL page, click View WSDL to verify the generated WSDL, and click Next.
7. On the Specify Publishing page, click Finish, and copy the generated WSDL URL, which you will need when you discover and set up the PS Process Monitor target.

8. Configure the distribution agent.
 - a. Select PeopleTools, Process Scheduler, Report Nodes, select the Add a New Value tab, enter *PRCSMNTRNODE*, and click Add.
 - b. Select Ftp/XCopy.
 - c. Enter the URL as: *http://<host>:port/psreports/<site>*
 - d. Enter Network Path as: *\\<host>\psreports*
 - e. Click Save.
9. Configure server definition.
 - a. Select PeopleTools, Process Scheduler, Servers.
 - b. Select the appropriate server (PSNT, PSUNX, and so on).
 - c. Select the Distribution tab and enter Distribution Node Name as *PRCSMNTRNODE*.
 - d. Select the Transfer System Files to Report Repository check box.
 - e. Click Save.

Adding PS Process Monitor Targets From Discovery Results Page

During the typical discovery process, you have the option to add and register PS Process Monitor targets. The Add PS Process Monitor page can be launched only if a PS PIA target has been discovered and selected.

Note. For discovering PS Process Monitor targets, the PeopleTools version for the PS PIA target must be at least PeopleTools 8.50.

Adding PS Process Monitor Targets From the Process Monitor Setup Page

If you did not add the PS Process Monitor target during the typical discovery process, you can use the Process Monitor Setup page.

Access the Process Monitor Setup page by clicking a PS PIA target, selecting Administration, and clicking Process Monitor Setup (under Additional Utility).

Process Monitor Setup page

PS Process Monitor Configuration Variables

Using either method to add and register a PS Process Monitor target, you specify this required information:

PROCESSREQUEST WebService URL

The Process Monitor target accesses the PeopleSoft system using a WSDL service managed by Integration Broker. Specify the URL for the WSDL file using the following syntax:

```
http://<host>:<port>/PSIGW/PeopleSoftServiceListeningConnector/<wsdl file name>
```

For example:

```
http://pta123.bigcompany.com:10180/PSIGW/PeopleSoftServiceListeningConnector/PROCESSREQUEST.1.wsdl
```

PS PIA Target

Select the appropriate PIA installation.

User ID/Password

Enter the PeopleSoft user ID and password that the Process Monitor will use to access the PeopleSoft system.

Working With Custom SSL Configurations

During PS Process Monitor discovery, the EM Agent communicates with Integration Broker over HTTPS using the default SSL configuration setup.

The following process outlines the typical Process Monitor discovery workflow, which existed in previous releases, and is supported by default in the current release, as well.

1. Discover the PIA target.
2. Use the PIA target in the All PeopleSoft Targets page, to discover the Process Monitor target.
3. In the Process Monitor discovery page, enter the WSDL URL.
4. Discover the PS Process Monitor target.

This "typical" process:

- uses the default SSL configuration.

- makes no changes to the pskey.properties file.
- keeps the property useCustomSSLConfiguration set to false (the default).

Additionally, the PeopleSoft plug-in supports EM Agent communicating with Integration Broker using a custom SSL configuration. The high-level steps for setting up the custom SSL configuration are:

1. Export the default signer certificate presented by the web server (WebLogic or WebSphere) for HTTPS communication (using the keytool utility).
2. Import this signer certificate into the keystore pskey used by the EM Agent using the keytool utility.
3. In pskey.properties file, enable the following property for the custom configuration setup:

```
useCustomSSLConfiguration=true
```

4. Restart the EM Agent and discover the Process Monitor target with the custom SSL configuration setup.

When using the custom SSL configuration, you import the signer certificate of the web server (WebLogic or WebSphere) into the agent's custom keystore file which by default is: \$AgentHome/sysman/config/pskey.

Note. The EM Agent's keystore file (pskey) and properties file (pskey.properties) is required for implementing this feature and can be found in the directory \$AgentHome/sysman/config.

Retrieving Signer Certificate from WebLogic

To retrieve the signer certificate:

1. Verify the signer certificate.

The default signer certificate used by WebLogic in SSL mode is certgencab. You can verify this by going to the PIA signon URL using an HTTPS port. Do a "View Certificates" from the dialog box displayed by the browser to view the certificate presented by WebLogic. This certificate can be found in the default WebLogic keystore file "cacerts" found in the folder: \$WLS_HOME/wlserver_10.3/server/lib.

2. Export this signer certificate from the WebLogic keystore file, cacerts, using the keytool utility.

For example:

```
$Agent_Home/jdk/bin/keytool -export -rfc -keystore cacerts -alias certgencab
-file certgencab.cer -storepass changeit -keypass changeit
```

Note. If using a custom SSL configuration on WebLogic, you may need to export the appropriate signer certificate from the keystore, cacerts.

3. Import the signer certificate file certgencab.cer into the Agent's custom keystore file, pskey, using the keytool utility.

For example:

```
$Agent_Home/jdk/bin/keytool -import -noprompt -trustcacerts -alias
certgencab -file certgencab.cer -keystore pskey -storepass password
```

4. Edit the `pskey.properties` file and ensure:
 - custom keystore location and other attributes are properly set.
 - `useCustomSSLConfiguration` is set to `true`.

Retrieving Signer Certificate from WebSphere

To retrieve the signer certificate from WebSphere:

1. Extract the signer certificate.

Login to WebSphere administration console, and navigate to Security, SSL certificate and key management, Key stores and certificates, NodeDefaultTrustStore, Signer certificates.

Select the default signer certificate, `root`, and click Extract.

This will extract the certificate into the given location in ASCII text mode by default.

Note. If you are using a custom SSL configuration on WebSphere, you may have to extract the appropriate signer certificate from the keystore, NodeDefaultTrustStore.

2. Import this signer certificate file, `rootWAS.cer`, into the Agent's custom keystore file, `pskey`, using the `keytool` utility.

For example:

```
$Agent_Home/jdk/bin/keytool -import -noprompt -trustcacerts -alias rootWAS  
-file rootWAS.cer -keystore pskey -storepass password
```

3. Edit the `pskey.properties` file to ensure:
 - the custom keystore location and other attributes are properly set.
 - `useCustomSSLConfiguration` is set to `true`.

See Also

[Appendix F, "Troubleshooting," RSA Certificate Issues on WebSphere, page 137](#)

Chapter 4

PeopleSoft Application Database Targets

This chapter provides an overview and discusses:

- The PS Application Database homepage.
- PS Application Database configuration.

Understanding PeopleSoft Application Database Targets

The PeopleSoft Application Database target type refers to the database that contains the PeopleSoft application. The application database target type is not intended to manage the underlying database (RDBMS) itself. However, depending on your database type, Enterprise Manager may provide additional management and monitoring features.

If the database is Oracle, you can monitor and manage the database by selecting Targets, Database from the Enterprise Manager homepage.

Note. If you have backed up, and then restored a database, you must set the GUID in the database to blank before attempting the discovery process.

To get the current value of the database GUID, execute the following SQL Statement:

```
select GUID from PSOPTIONS
```

Then, depending on your database syntax, execute the appropriate update statement to set the GUID column in PSOPTIONS to ''. For example:

```
update PSOPTIONS set GUID = ' '
```

The next time an application server connects to the database, the system generates a new unique GUID for that database.

The PS Application Database Homepage

Select Targets, PeopleSoft, then click the application database link that you want to view. The PS Application Database homepage appears:

The screenshot shows the Oracle Enterprise Manager Grid Control interface for the PS Application Database. The page title is "PS Application Database: Q8519011.db.61183842-84cd-11df-a92e-d53b6700ec25". The page was refreshed on Sep 15, 2010 at 11:00:26 AM PDT. The interface includes a navigation bar with tabs for Home, Targets, Deployments, Alerts, Compliance, Jobs, Reports, and My Oracle Support. Below the navigation bar, there are sections for General, Alerts, and Related Links. The General section shows the database is "Up" with 96% availability. The Alerts section shows "No Alerts found." The Related Links section includes links for All Metrics, Blackouts, Reports, Metric and Policy Settings, Target Properties, Access, Alert History, and Monitoring Configuration.

PS Application Database homepage

Fields listed in the General section are:

- Status
- Availability
- Database Name
- Database Type
- PeopleTools Version
- PeopleTools System

Links listed in the Related Links section are:

- All Metrics
- Blackouts
- Reports
- Metric and Policy Settings
- Target Properties
- Access
- Alert History
- Monitoring Configuration

These fields and links are discussed in "common elements" sections of this document.

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Common Elements on Homepages, page 14.](#)

The PS Application Database Configuration Page

This page shows standard configuration properties of the application database, such as release version, database name and type, and so on. It also displays the PeopleSoft application patches applied to this database.

Chapter 5

PS Application Server Domain Targets

This chapter discusses:

- The PS Application Server Domain homepage.
- How to create PS application server domains.
- PS application server domain performance.
- PS application server domain administration.
- PS application server domain logs.

The PS Application Server Domain Homepage

This target type enables an administrator to manage PeopleSoft application server domains.

Note. Many of the features and concepts in this section are described in *PeopleTools 8.51: System and Server Administration*.

Select Targets, PeopleSoft, then click the specific application server that you want to view.

The screenshot displays the Oracle Enterprise Manager Grid Control 11g interface for the PS Application Server Domain: Q851901I.app.st-hpp03.ds1_home_psoft_pt_PT851-901-11. The page is titled "PS Application Server Domain: Q851901I.app.st-hpp03.ds1_home_psoft_pt_PT851-901-11" and shows a status of "Up" with an availability of 97% over the last 24 hours. The domain name is Q8519011, and the PS_HOME is /ds1/home/psoft/pt/PT8.51-901-11. The PS_CFG_HOME is /ds1/home/psoft/pt/PT8.51-901-11, and the PS Application Database is Q851901I.db.61183842-84cd-11df-a92e-d... The PS Search Server is N/A, and the PeopleTools Version is 8.51.901-11. The Application Release is PeopleTools 8.51.00.000, and the PeopleSoft System is N/A. The Operating System is HP-UX B.11.23 U (64), the IP Address is 10.221.165.122, and the Host is st-hpp03.us.oracle.com. The page also shows a "CPU Utilization and Memory Utilization" graph for all processors, with CPU utilization ranging from 55.866% to 97.766% and memory utilization ranging from 62.849% to 90.783%. The graph shows CPU utilization (blue line) and memory utilization (teal line) over time from 10:45 to 11:30 on Sep 15, 2010. The "Features" section lists various components with checkboxes: Analytic Servers (checked), Domains Gateway (unchecked), Event Notification (checked), Jolt Relay Adapter (unchecked), Jolt Service Listener (checked), Multi-Channel Framework (unchecked), PeopleCode Debugger (checked), Performance Collator (unchecked), Publish/Subscribe Server (unchecked), and Query Server (unchecked). Quick Server (unchecked) and WorkStation Listener (unchecked) are also listed.

PS Application Server homepage

Fields listed in the General section are:

- Status
- Availability
- Domain
- PS_HOME
- PS_CFG_HOME
- PS Application Database
- PS Search Server
- PeopleTools Version
- Application Release
- PeopleSoft System
- Operating System
- IP Address
- Host

Links listed in the Related Links section are:

- Monitoring Configuration
- Alert History

- Access
- All Metrics
- Blackouts
- Target Properties
- Metric and Policy Settings
- Reports

These fields and links are discussed in "common elements" sections of this document.

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Common Elements on Homepages, page 14.](#)

Creating PS Application Server Domain Targets

This section discusses how to create an application server domain target in Enterprise Manager.

Note. The Enterprise Manager user must have a super administrator account to create new application server domains.

Note. You must set the correct environment variables for new domains created within Enterprise Manager. Refer to the section describing how to set environment variables.

See [Chapter 3, "Discovering PeopleSoft Targets," Setting Environment Variables, page 37.](#)

To create a PS Application Server Domain target:

1. Select Targets, PeopleSoft.
2. Select the value from the Create drop-down list, then click Go.

The Create PS Application Server Domain page appears.

3. Enter the appropriate values and select the desired check boxes, then click OK.

After clicking the OK button, the target credentials page appears. After entering credentials, a processing page appears. You cannot abort this process and must wait for the process to finish.

4. If you do not import the configuration from a file, click OK.

The domain will be created without a configuration. You can configure the domain at a later time by selecting the Configure Domain link from the Administration tab of the target.

Create PS Application Server Domain

Properties

Name	Value
* Domain	<input type="text" value="tsawyer1"/>
* Host <input checked="" type="checkbox"/> Case sensitive.	<input type="text" value="st-sun06"/>
* PS_HOME	<input type="text" value="/ds1/home/psoft/pt/8.50-809-R1"/>
PS_CFG_HOME	Existing <input type="text" value="/ds1/home/psoft/psft/pt/8.50-809-R1"/> New <input type="text"/> <input type="checkbox"/> Same as PS_HOME
* Configuration Template	<input type="text" value="small"/>

Configure Domain

Import Domain from Configuration File

Import IB Master Domain from Configuration File

* Filename in Host

Create PS Application Server Domain page

Properties

Domain Enter a unique name (within the host) not greater than 8 characters and not containing any spaces or punctuation marks.

Host Click the icon to display the Host Target selection window, and select the host where you want to create the domain.

PS_HOME Based on the host, the available list is limited to the PS_HOMEs on the host that contain the software necessary to create a domain.

You can discover additional PS_HOMEs to augment this list. If you click Discover PS_HOMEs in the Related Links region of this page, the Add PeopleSoft Targets page with the PS_HOME/PS_CFG_HOME check box selected appears. Continue through the discovery process, when finished, control returns to this page.

PS_CFG_HOME Specify the location of PS_CFG_HOME.

- Existing: To use an existing PS_CFG_HOME location, select the value from the drop-down list.
- New: To enter a new location (as opposed to using the existing location) enter that value in the New field.
- Same as PS_HOME: To install the PS_CFG_HOME within the PS_HOME location, select this check box. The system automatically populates the New field with the specified PS_HOME.

Configuration Template Select a template from the drop-down list.

(Optional) Click Get Latest Configuration Templates in the Related Links region of this page to retrieve the latest template list from the host. You are required to enter your credentials in a subsequent page to connect with a managed host.

The configuration template you select determines the default values of the domain.

There are predefined configuration templates based on the number of concurrent users expected to connect to the domain. The following provides a *general* guideline:

- Small (1-50 users)
- Medium (50-500 users)
- Large (500-1000 users)
- Developer (for a development or test system)

Configure Domain Default selection is to configure the domain. If selected, the Configure Domain page appears after the domain is created.

Import Domain Configuration from file Select to enable the entry of the filename and path of the host's configuration file.

Ensure that the source configuration file resides in the host or an error appears during the create process. Use the Find icon to verify the path or to populate this field by selecting the path to the file.

The Browse and Select: File and Directory page opens in a separate browser. Select folders to drill down further until the desired file is found. Select the file and click Select.

Import IB Master Domain from Configuration File For Integration Broker environments, you can implement master-slave configurations with the Integration Broker server domains. Select this option to import previously configured master domain configurations.

See *PeopleTools 8.51 PeopleBook: PeopleSoft Integration Broker Administration*

Depending on the options that you selected when creating the domain, any one of the following pages appear next:

- Configure Domain page.
- Administration page of the PS Application Server Domain that you just created.
- Homepage of the PS Application Server Domain that you just created.

Related Links

Discover PS_HOMEs Select to open the Add PeopleSoft Targets page.

Manage PS_HOMEs Select to open the Manage PS_HOMEs page where you can remove PS_HOMEs and PS_CFG_HOMEs from the Enterprise Manager repository.

Get Latest Configuration Template Select to get the latest configuration template. Enter your credentials when prompted.

Working With the Domain Configuration Interface

In the PeopleSoft environment, you would use PSADMIN to create and configure your domains. When using the PeopleSoft Environment Management Plug-in, you use the browser interface of the Enterprise Manager Grid Control console. The options available in PSADMIN are replicated in the console. For information on each domain parameter, refer to the Oracle PeopleTools documentation.

See *PeopleTools 8.51 PeopleBook: System and Server Administration, "Setting Application Server Domain Parameters"*

For example, when configuring a domain, you have the option to use the Quick Configuration interface, similar to the PSADMIN option. This appears if you selected Configure Domain on the Create PS Application Server Domain page, and after clicking OK on the page indicating your domain has been successfully created.

Configuration Sections

- Quick Configuration**
- Startup
- Database Options
- Security
- Workstation Listener
- JOLT Listener
- JOLT Relay Adapter
- Domain Settings
- PeopleCode Debugger
- Trace
- Cache Settings
- RemoteCall
- PSAPPSRV
- PSANALYTICSRV
- PSSAMSRV
- PSQCKSRV
- PSQRYSRV

Configuration Details

* Indicates required field

* Database Name ⓘ

Database Type ⓘ

[Configure Environment Variables](#)

* User Id ⓘ

* User Password ⓘ

Encrypt Password?

* Connect Id ⓘ

* Connect Password ⓘ

Encrypt Password?

Server Name ⓘ

Needed only for Sybase and Informix

* Workstation Listener Port ⓘ

This value is only relevant if the WSL process is running in the domain. Ensure that you have no port clash with other domains or products

* Jolt Listener Port ⓘ

This port must match the port in the psserver client string in the PIA configuration. Ensure that you have no port clash with other domains or products

Jolt Relay Adapter Machine Port ⓘ

* Domain Id ⓘ

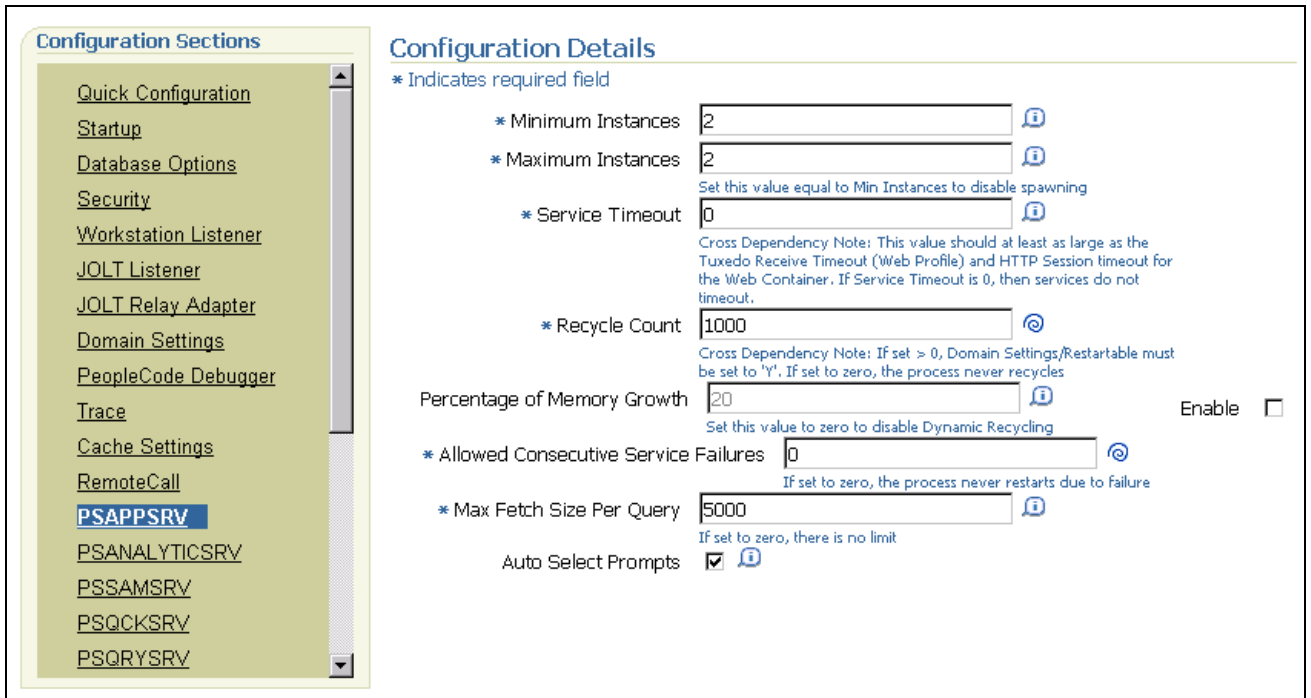
Add To PATH Env Variable ⓘ

Feature Activation

<input type="checkbox"/> Publish/Subscribe Server (PUBSUB)	<input type="checkbox"/> Quick Server (PSQCKSRV)
<input type="checkbox"/> Query Server (PSQRYSRV)	<input checked="" type="checkbox"/> Jolt Service Listener (JSL)
<input type="checkbox"/> Jolt Relay Adapter (JRAD)	<input checked="" type="checkbox"/> WorkStation Listener (WSL)
<input type="checkbox"/> PeopleCode Debugger (PSDBGSRV)	<input type="checkbox"/> Event Notification (PSRENSRV)
<input type="checkbox"/> Multi-Channel Framework (MCF Servers)	<input type="checkbox"/> Performance Collator (PSPPMRSRV)
<input type="checkbox"/> Analytic Servers (PSANALYTICSRV)	<input type="checkbox"/> Domains Gateway (Remote Search)

Quick Configuration page

If you need to drill into specific configuration sections, like performing a "custom" configuration in PSADMIN, select the appropriate section in the Configuration Sections list, and modify the parameters as needed.



PSAPPSRV configuration section



Information icon that appears next to certain fields on the Configure Domain page. To display a description of the field, move your mouse over the icon.



Dynamic icon that appears next to certain fields on the Configure Domain page. Indicates the field is dynamic and does not require a domain restart of the domain if the field was changed. The allow dynamic changes option must be selected.

PS Application Server Domain Performance

Click Performance to display the PS Application Server Domain Performance page.

The Performance page gives you a snapshot of the performance of the domain by displaying a graphical view of the domain's:

- host CPU usage.
- host memory usage.
- disk input/output utilization.
- average number of queued processes per domain server process.
- PSAPPSRV handler counts.
- total number of Tuxedo connections.

Use the View Data dropdown list to modify the time frame of the display. For example, you can view the last 24 hours, last week, last month, and so on.

If the PUBSUB (Integration Broker server processes) feature is not active, the graphs for Broker, Subscriber, and Publisher are blank.

The CPU and memory utilization shown on the PS Application Server Domain Performance page includes more detailed information than that on the homepage.

The frequency of the disk I/O (read/write frequency) indicates how much the application server is caching—this value may reflect the performance of the application. It also includes writing to log files.

The amount of queuing on the main processes of a PS Application Server Domain indicates if the defined handlers are sufficient for the domain. Larger queues cause a slow response on application functions, and this could indicate that more handlers or domains are required to handle user requests.

Note. A statement of no data found may appear in the graphic region. This occurs because there is no target data available in Enterprise Manager when this graph is rendered.

For more information about changing the view of performance data, see Enterprise Manager documentation.

PS Application Server Domain Administration

Most of the tasks available on the Administration page correspond to menu items in PSADMIN.

Select Administration to display the PS Application Server Domain Administration page.

Note. The links displayed on this page depend upon the target privileges associated with the user. All links are available to a super administrator account, or a user assigned full privileges *and* Add Target System privilege on this target. Users with operator or view target privileges will have fewer number of links available.

If a link appears available it does not mean that a particular user has automatic access to that action. Host credentials are still required for certain actions to execute on the target.

The screenshot shows the Oracle Enterprise Manager interface for a PS Application Server Domain. The page title is "PS Application Server Domain: Q851901I.app.st-hpp03.ds1_home_psoft_pt_PT851-901-I1". The page was refreshed on Sep 16, 2010 at 8:39:14 AM PDT. The Administration tab is selected, showing the following links:

- Configuration Management**
 - [Configure Domain](#)
 - [Create Like Domain](#)
 - [Compare Domain Configurations](#)
 - [Compare To Multiple Configurations \(Jobs\)](#)
 - [Last Collected Configuration](#)
 - [View Saved Configurations](#)
 - [History](#)
 - [Copy Configuration](#)
- Domain Management**
 - [Start Domain](#)
 - [Start Domain \(Parallel\)](#)
 - [Stop Domain](#)
 - [Stop Domain \(Forced\)](#)
 - [Purge/Archive Cache](#)
 - [Delete Domain](#)
 - [Preload File Cache](#)
 - [Clean IPC Resources](#)
- Tuxedo Management**
 - [Access Tuxedo Command Line \(TMADMIN\)](#)
 - [Process Status](#)
 - [Client Status](#)
 - [Queue Status](#)
- Additional Utilities**
 - [Execute Host Command](#)

PS Application Server Domain Administration page

Configuration Management links that appear on this page:

- [Configure Domain](#)
- [Create Like Domain](#)
- [Compare Domain Configurations](#)
- [Compare to Multiple Configurations \(Jobs\)](#)
- [Last Collected Configuration](#)
- [View Saved Configuration](#)
- [History](#)
- [Copy Configuration](#)

Domain Management links that appear on this page:

- [Start Domain](#)
- [Start Domain \(Parallel\)](#)
- [Stop Domain](#)
- [Stop Domain \(Forced\)](#)
- [Purge/Archive Cache](#)
- [Delete Domain](#)
- [Preload File Cache](#)

- Clean IPC Resources
- Messaging Server

Note. Preload File Cache loads both file cache and database cache. That is, if you have database caching selected, clicking this link will preload your database cache.

Note. The Messaging Server link appears only if you have PUBSUB (Integration Broker) server processes in the domain.

Tuxedo Management links that appear on this page:

- Access Tuxedo Command Line (TMADMIN)
- Process Status
- Client Status
- Queue Status

Additional Utilities links that appear on this page:

- Execute Host Command
- Windows Service Management (Available only for targets that have a Windows host).

Note. These options are discussed in the common elements section of this document.

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Common Elements on Administration Pages, page 16.](#)

PS Application Server Domain Logs

Select Logs to display the PS Application Server Domain logs page.

The PS Application Server Domain log feature enables you to view PeopleSoft-specific logs, traces or dumps for a target. In addition, you can search the log for string patterns, schedule a purge and archive job, and export log files to your workstation. Host credentials are required for this page to display.

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Target Log Management, page 21.](#)

Chapter 6

PS Process Scheduler Domain Targets

This chapter discusses:

- The PS Process Scheduler Domain homepage
- How to create a PS Process Scheduler Domain target
- PS Process Scheduler Domain performance
- PS Process Scheduler Domain administration
- PS Process Scheduler Domain logs
- How to manage a Process Scheduler in PIA

The PS Process Scheduler Domain Homepage

You access and use the PS Process Scheduler Domain homepage in the same way that you access and use the PS Application Server Domain homepage. Minor differences include labels and alerts that are specific to a Process Scheduler domain.

Select Targets, PeopleSoft, then select the desired PS Process Scheduler Domain target.

ORACLE Enterprise Manager
Grid Control 11g


Home | Targets | Deployments | Alerts | Compliance | Jobs | Reports | My Oracle Support

Hosts | Databases | Middleware | Web Applications | Services | Systems | Groups | Virtual Servers | All Targets | PeopleSoft

PS Process Scheduler Domain: Q851901I.prcs.st-hpp03.ds1_home_psoft_pt_PT851-901-I1
Page Refreshed Sep 20, 2010 11:38:43 AM PDT [Refresh](#)

Home | Performance | Administration | Logs

General


 Status **Up** [Stop](#) [Black Out](#)
 Availability (%) **65**
(Last 24 Hours)
 Domain **Q851901I**
 PS_HOME **/ds1/home/psoft/pt/PT8.51-901-I1**
 PS_CFG_HOME **/ds1/home/psoft/pt/PT8.51-901-I1**
 PS Application Database **Q851901I.db.3715a3b6-c315-11df-97bc-f...**
 PeopleTools Version **8.51.901-I1**
 Application Release **PeopleSoft 8.51.00.000**
 PeopleSoft System **PeopleSoftSystem**
 Operating System **HP-UX 8.11.23 U (64)**
 IP Address **10.221.165.122**
 Host **st-hpp03.us.oracle.com**

CPU Utilization and Memory Utilization
Cumulative for all processors

98.633
94.150
89.666
85.183
80.700
76.216
71.733

10:41 10:50 11:00 11:10 11:20 11:30
Sep 20, 2010

CPU Utilization
 Memory Utilization

[Application Engine Server](#)
[Master Scheduler Server](#)

PS Process Scheduler Domain homepage

Fields listed in the General section are:

- Status
- Availability
- Domain
- PS_HOME
- PS_CFG_HOME
- PS Application Database
- PeopleTools Version
- Application Release
- PeopleSoft System
- Operating System
- IP Address
- Host

Links listed in the Related Links section are:

- Monitoring Configuration
- Alert History
- Access
- All Metrics
- Blackouts

- Target Properties
- Metric and Policy Settings
- Reports
- Open Telnet Session (Available only for targets that have a UNIX-based host)

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Common Elements on Homepages, page 14.](#)

Creating PS Process Scheduler Domain Targets

You create a PS Process Scheduler domain in the same way that you create a PS Application Server domain.

See [Chapter 5, "PS Application Server Domain Targets," Creating PS Application Server Domain Targets, page 51.](#)

PS Process Scheduler Domain Performance

The PS Process Scheduler Domain Performance page shows data that is similar to the PS Application Server Domain target.

Graphs shown on this page include the host CPU usage, host memory usage, PSPRCSRVR, and PSDSTSRV queued processes.

See [Chapter 5, "PS Application Server Domain Targets," PS Application Server Domain Performance, page 56.](#)

PS Process Scheduler Domain Administration

Select Administration to display the PS Process Scheduler Server Domain Administration page.

ORACLE Enterprise Manager
Grid Control 11g

Home Targets Deployments Alerts Compliance Jobs Reports My Oracle Support

Hosts Databases Middleware Web Applications Services Systems Groups Virtual Servers All Targets PeopleSoft

PS Process Scheduler Domain: Q851901I.prcs.st-hpp03.ds1_home_psoft_pt_PT851-901-11

Page Refreshed Sep 20, 2010 11:44:33 AM PDT

Home Performance Administration Logs

Configuration Management

- [Configure Domain](#)
- [Create Like Domain](#)
- [Compare Domain Configurations](#)
- [Compare To Multiple Configurations \(Jobs\)](#)
- [Last Collected Configuration](#)
- [View Saved Configurations](#)
- [History](#)
- [Copy Configuration](#)

Domain Management

- [Start Domain](#)
- [Stop Domain](#)
- [Stop Domain \(Forced\)](#)
- [Clean IPC Resources](#)
- [Delete Domain](#)
- [Manage Process Scheduler In PIA](#)

Tuxedo Management

- [Process Status](#)
- [Queue Status](#)

Additional Utilities

- [Execute Host Command](#)

PS Process Scheduler Domain Administration page

Configuration Management links that appear on this page:

- [Configure Domain](#)
- [Create Like Domain](#)
- [Compare Domain Configurations](#)
- [Compare to Multiple Configurations \(Jobs\)](#)
- [Last Collected Configuration](#)
- [View Saved Configuration](#)
- [History](#)
- [Copy Configuration](#)

Domain Management links that appear on this page:

- [Start Domain](#)
- [Stop Domain](#)
- [Stop Domain \(Forced\)](#)
- [Clean IPC Resources](#)
- [Delete Domain](#)
- [Manage Process Scheduler in PIA](#)

Tuxedo Management links that appear on this page:

- [Process Status](#)
- [Queue Status](#)

Additional Utilities link that appears on this page:

- Execute Host Command.
- Windows Service Management (Available only for targets that have a Windows host).

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Target Administration Pages, page 16.](#)

Managing a Process Scheduler in PIA

You can manage several Process Scheduler configurations in PIA. For example, you can:

- Schedule specific processes
- Monitor processes with Process Monitor
- Run Application Engine programs

Select Administration, and click the Manage Process Scheduler in PIA. This displays the PeopleSoft login page. After you have successfully logged in, the Process Scheduler Administration page displays.

Note. Prior to using the Manage Process Scheduler in PIA link, you need to define the Process Scheduler URL in the PeopleSoft System URL Setup page.

See [Chapter 10, "PeopleSoft Systems and Services," PeopleSoft System URLs, page 95.](#)

PS Process Scheduler Domain Logs

The PS Process Scheduler Domain log feature is the same as in the PS Application Server Domain.

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Target Log Management, page 21.](#)

Chapter 7

PS Process Monitor Targets

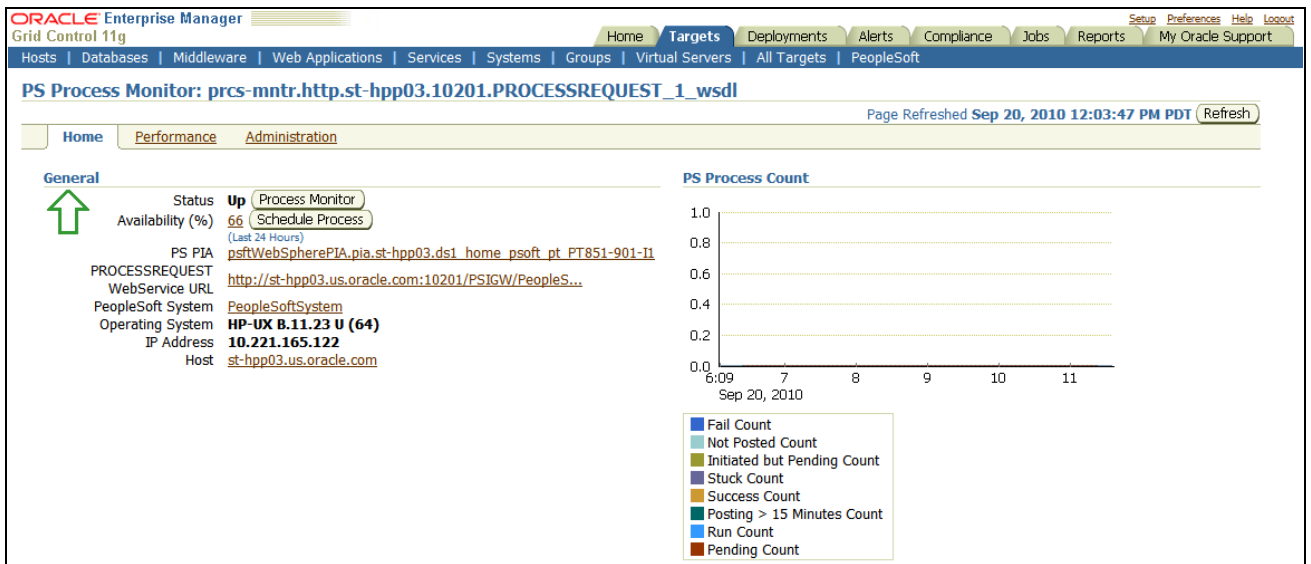
This chapter discusses

- The PS Process Monitor homepage.
- PS Process Monitor performance.
- PS Process Monitor administration.
- Scheduling processes.
- Monitoring processes.

The PS Process Monitor Homepage

The PS Process Monitor homepage enables you to view and access PS Process Monitor information. For *Process Scheduler* information, access the PS Process Scheduler Domain homepage.

Select Targets, PeopleSoft, then select the desired PS Process Monitor target.



PS Process Monitor homepage

Fields listed in the General section are:

- Status
- Availability
- PS PIA
- PROCESSREQUEST WebService URL
- PeopleSoft System
- Operating System
- IP Address
- Host

Links listed in the Related Links section are:

- Monitoring Configuration
- Alert History
- Access
- All Metrics
- Blackouts
- Target Properties
- Metric and Policy Settings
- Reports

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Common Elements on Homepages, page 14.](#)

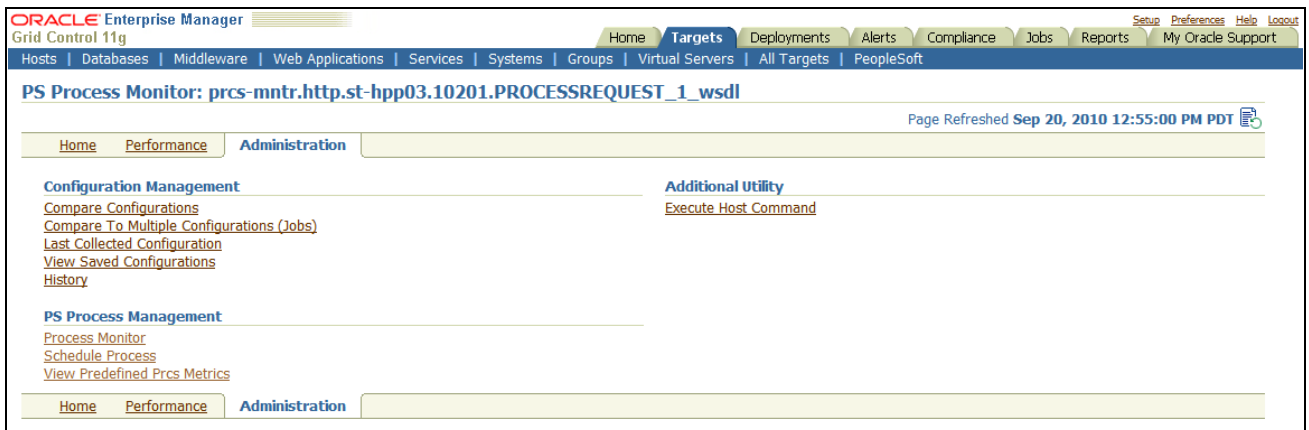
PS Process Monitor Performance

Select Performance to monitor PS Process Monitor performance. The PS Process Monitor performance page shows these metrics to help you monitor the status of submitted process requests:

<i>Metric</i>	<i>Description</i>
Success Count	The number of processes completed successfully in the last hour.
Fail Count	The number of processes failed in the last hour. These have a Run Status of "Error" or "No Success."
Run Count	The total number of processes run in the last hour.
Stuck Count	The number processes which have been the Run Status of "Processing" for more than 30 minutes.
Not Posted Count	The number of processes with the Distribution Status "Not posted."
Posting For > 15 Minutes Count	The number of processes which have been in the Distribution Status of "Posting" for more than 15 minutes.
Pending Count	The number of processes which have the Run Status of "Queued" and have a Run Date and Time more than 30 minutes old.
Initiated But Pending Count	The number of processes which have the Run Status of "Initiated" and have a Run Date and Time more than 30 minutes old.

PS Process Monitor Administration

Select Administration for access to administrator tools and utilities relevant to PS Process Monitor management.



PS Process Monitor Administration page

The Configuration Management links that appear on this page are:

- [Compare Configurations](#)
- [Compare to Multiple Configurations](#)
- [Last Collected Configuration](#)
- [View Saved Configuration](#)
- [History](#)

The PS Process Management links that appear on this page are:

- [Process Monitor](#)
- [Schedule Process](#)
- [View Predefined Prcs Metrics](#)

The Additional Utility link appearing on this page is [Execute Host Command](#).

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Common Elements on Administration Pages, page 16.](#)

Scheduling Processes

PeopleSoft Enterprise Environment Management Plug-in for Oracle Enterprise Manager enables you to submit process requests to be run on the Process Scheduler server, just as you would from the PIA interface. The same fields and controls you use to submit process requests in PIA are available in the Oracle Enterprise Manager interface.

Note. This documentation assumes you have a working knowledge of scheduling processes to run within PeopleSoft systems.

ORACLE Enterprise Manager
Grid Control 11g

Home Targets Deployments Alerts Compliance Jobs Reports My Oracle Support

Schedule Process

Cancel OK

Schedule Info

*Run Control ID TSAWYER

Server Name PSUNX Recurrence

Run Date 2010-09-20 Run Time HH:MM:SSAM/PM

Time Zone EST

Process Info

*Process Type Application Engine *Process Name AEMINTEST

Set Runtime Parameter

PS Application Credentials

*User ID QEDMO *Password

Cancel OK

Schedule Process page

To submit a process request from Oracle Enterprise Manager:

1. From the PS Process Monitor Administration page, select Schedule Process.
2. On the Schedule Process page, select all applicable values in the Schedule Info section, such as Run Control ID, Server Name, and so on.
3. In the Process Info section, select the process to run and any necessary runtime parameters.
 - a. Click the lookup prompt (flashlight) to open the Select Process Type and Process Name page, where you select the Process Type, click Go, and select the desired Process Name from the search results.
 - b. To set any runtime parameters, click the Set Runtime Parameter button.
4. In the PS Application Credentials section, enter the PeopleSoft user ID and password required to submit the process.

Note. The default credentials will be those provided during the discovery and setup process.

See Also

PeopleTools PeopleBook: PeopleSoft Process Scheduler, "Submitting and Scheduling Process Requests"

PeopleTools PeopleBook: PeopleSoft Process Scheduler, "Defining PeopleSoft Process Scheduler Support Information, "Defining Process Definitions, Setting Runtime Parameters"

Monitoring Processes

PeopleSoft Enterprise Environment Management Plug-in for Oracle Enterprise Manager enables you to monitor processes that have been submitted to run on the Process Scheduler server by displaying the Process List and Process Details interfaces. The same fields and controls you use to monitor process requests in PIA are available in the Oracle Enterprise Manager interface.

Note. This documentation assumes you have a working knowledge of monitoring processes running within PeopleSoft systems.

Process Monitor

Search Info

Process Type: Application Engine | Process Name: | Server Name: PSUNX | Run Status: Success | Distribution Status: |

Process Instance: From: | To: | Last: 1 Days |

PS Application Credentials

*User ID: QEDMO | *Password: |

Search Results

Instance	Process Type	Process Name	User	Run Date/Time	Run Status	Distribution Status
102	Application Engine	PRCSYSPURGE	QEDMO	09/20/2010 01:00:34AM PDT	Success	Posting
103	Application Engine	PSXPARCHATTR	QEDMO	09/20/2010 01:00:54AM PDT	Success	Posting
104	Application Engine	PSXP_DIRCLN	QEDMO	09/20/2010 01:00:54AM PDT	Success	Posting
171	Application Engine	AEMINITEST	QEDMO	09/20/2010 12:01:16AM PDT	Success	Posting

Process Monitor page

To monitor processes from Oracle Enterprise Manager:

1. From the PS Process Monitor Administration page, select Process Monitor.
2. On the Process Monitor page, in the Search Info section, enter the criteria for the processes you want to monitor, refining the search as needed.
3. In the PS Application Credentials section, enter the PeopleSoft user ID and password required to access the process list.

Note. The default credentials will be those provided during the discovery and setup process.

4. Click Search.
5. View the processes in the Search Results list.

To view the process details:

1. Locate an individual process in the process list.
2. Click the link in the Instance column.
3. Review process details.
4. (If needed) In the Update Process section, select any applicable options.
5. Click OK.

ORACLE Enterprise Manager
Grid Control 11g

Home Targets Deployments Alerts Compliance Jobs Reports My Oracle Support

Process Detail

Cancel OK

Process Info

Process Instance	171	Process Type	Application Engine
Process Name	AEMINTEST	Run Status	Success
Distribution Status	Posting		

Run Info

Run Control ID	GSTEST	Recurrence	
Server Name	PSUNX		

Date/Time

Request Created On	09/20/2010 12:01:20AM PDT	Run Any Time After	09/20/2010 12:01:16AM PDT
Began Process At	09/20/2010 12:01:45AM PDT	Ended Process At	09/20/2010 12:02:00AM PDT

Update Process

Hold Request
 Queue Request
 Cancel Request
 Delete Request
 Restart Request

Cancel OK

Process Detail page

See Also

PeopleTools PeopleBook: PeopleSoft Process Scheduler, "Using Process Monitor"

Viewing Process Metrics

The performance metrics displayed on the Performance tab for a Process Monitor target are helpful in assessing the overall performance and health of your Process Scheduler environment. However, these metrics only display the aggregate counts of processes within various criteria. The View Pre-defined Process Metrics page enables you to generate the list of processes that fall into a particular category.

To view predefined process metrics:

1. Select the Process Monitor, Administration tab.
2. Click the View Predefined Prcs Metrics link.
3. On the Process Monitor - View Pre-defined Process Metrics page, select the process status for which you want to display a report.
4. Examine the results in the Metrics Results grid.

Running the Process Monitor Metrics Report

You can generate a report that displays a comprehensive view of the Process Monitor predefined metrics.

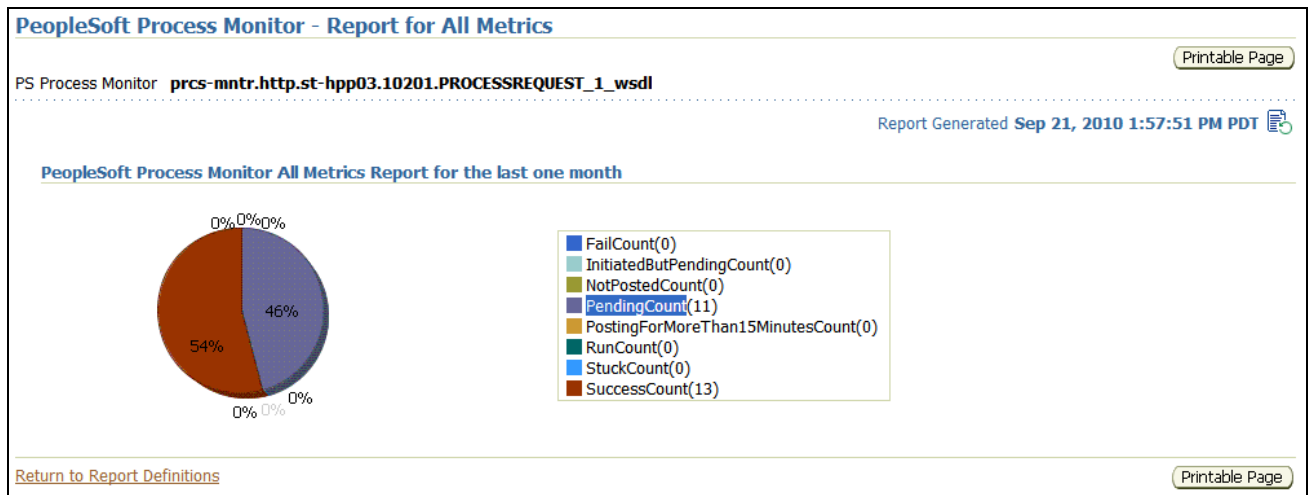
To generate an All Metrics report:

1. In the Enterprise Manager console, select the Reports tab.
2. On the Report Definitions page, click the PeopleSoft Process Monitor - Report for All Metrics report.

You can scroll down the reports list, or you can enter *PeopleSoft* in the Title search field and click Go.

3. On the Specify Target for Report page, select the Process Monitor target for which to run the report, and click Continue.

Click the search icon for the PS Process Monitor field and select the appropriate target.



Sample PS Process Monitor All Metrics report

Chapter 8

PS PIA and PS Web Site Targets

This chapter discusses:

- PS PIA targets
- PS Web Site targets

PS PIA Targets

This section discusses:

- The PS PIA homepage
- PS PIA target performance
- PS PIA target administration
- PS PIA target logs

The PS PIA Homepage

The PS PIA target acts as a container for one or more PS Web Site targets and together they are a PeopleSoft web server.

Select Targets, PeopleSoft, then select the desired PS PIA target.

The screenshot displays the Oracle Enterprise Manager interface for a target named "PS PIA: psftWebSpherePIA.pia.st-hpp03.ds1_home_psoft_pt_PT851-901-I1". The target status is "Status Pending". The general configuration includes:

- Status: Status Pending (Start, Black Out)
- Availability (%): Not Applicable (Last 24 Hours)
- Name: psftWebSpherePIA
- HTTP Port: 10201
- HTTPS Port: 10243
- PS_HOME/PIA_HOME: /ds1/home/psoft/pt/PT8.51-901-I1
- Web Sites: ps.psftWebSpherePIA.site.st-hpp03.ds1_ho...
- Web Server: WebSphere 7.0.0.7
- Reverse Proxy: N/A
- PeopleTools Version: 8.51-901-I1
- PeopleSoft System: PeopleSoftSystem
- Operating System: HP-UX B.11.23 U (64)
- IP Address: 10.221.165.122
- Host: st-hpp03.us.oracle.com

The "CPU and Memory Utilization" section shows a line graph for cumulative utilization for all processors from 5:16 to 6:00 on Sep 22, 2010. The graph indicates CPU utilization (blue line) and Memory utilization (green line).

Time	CPU Utilization (%)	Memory Utilization (%)
5:16	68.965	84.880
5:20	74.270	84.880
5:30	68.965	84.880
5:40	74.270	84.880
5:50	74.270	84.880
6:00	68.965	84.880

PS PIA homepage

The PS PIA target can be compared to a *domain* in Weblogic, a *server* in WebSphere, and an *application/OC4J* in OAS.

Note. Before attempting to discover or access a PS PIA and PS Web Site in Enterprise Manager, verify that your PeopleSoft application is running and that you can log in from a PIA page.

Fields listed in the General section are:

- Status
 - In Weblogic, represents the aggregate status of the different servers in a clustered environment. Up displays if there is at least one server in the cluster that is up; otherwise, a down displays. The Weblogic administration server must be running to retrieve an accurate status of the managed servers and for start or stop operation.
 - In OAS, the OPMN service must be up and running for an accurate retrieval of PS PIA status and for start or stop operation.
 - Start and Stop—By default these buttons call the delivered PeopleSoft start and stop scripts. However you can use customized scripts registered in Enterprise Manager. Customized scripts are important when the PeopleSoft web server architecture involves a cluster.
- Availability
- Name
- HTTP Port
- HTTPS Port
- PS_HOME/PIA_HOME
- Web Sites
- Web Server

- Reverse Proxy

A value of *yes* means that PS PIA is connected to a reverse proxy server.

See *Enterprise PeopleTools PeopleBook: Portal Technology*, "Understanding Reverse Proxy Servers"

See *Enterprise PeopleTools PeopleBook: System and Server Administration*: "Working with <Your Web Server>," Setting Up Reverse Proxy Servers

- PeopleTools Version
- PeopleSoft System
- Operating System
- IP Address
- Host

Links listed in the Related Links section are:

- Monitoring Configuration
- Alert History
- Access
- All Metrics
- Blackouts
- Target Properties
- Metric and Policy Settings
- Reports

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Common Elements on Homepages, page 14.](#)

PS PIA Target Performance

Select Performance to view metric data for the Host CPU Utilization and Host Memory Utilization.

See [Chapter 5, "PS Application Server Domain Targets," PS Application Server Domain Performance, page 56.](#)

PS PIA Target Administration

Select Administration for access to administrator tools and utilities relevant to PS PIA management.

PS PIA: psftWebSpherePIA.pia.st-hpp03.ds1_home_psoft_pt_PT851-901-I1

Page Refreshed Sep 22, 2010 6:17:58 AM PDT

Home Performance Administration Logs

Configuration Management

- [Edit server.xml](#)
- [Edit web.xml](#)
- [Compare Configurations](#)
- [Compare To Multiple Configurations \(Jobs\)](#)
- [Last Collected Configuration](#)
- [View Saved Configurations](#)
- [History](#)

PIA Management

- [Start PIA](#)
- [Stop PIA](#)
- [WebSphere Console](#)

Additional Utility

- [Execute Host Command](#)
- [Customize Start/Stop Scripts](#)
- [Process Monitor Setup](#)

PS PIA Administration page

Configuration Management links that appear on this page:

- The first link varies depending on the target's web server type. Edit setEnv.cmd (Weblogic on Windows platform), Edit setEnv.sh (UNIX), Edit server.xml (WebSphere), or Edit opmn.xml (OAS).
- Edit web.xml
- Compare Configurations
- Compare to Multiple Configurations (Jobs)
- Last Collected Configuration
- View Saved Configuration
- History

PIA Management links that appear on this page:

- Start PIA
- Stop PIA
- Weblogic Console/WebSphere Administration Console/(iAS) Console (depends on web server type)

Additional Utilities links that appear on this page:

- Execute Host Command
- Customize Start/Stop Scripts
- Process Monitor Setup.

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Target Administration Pages, page 16.](#)

PS PIA Target Logs

The PS PIA Log page has the same features as the PS Application Server Domain Log page, except that trace files are not supported for PS PIA targets.

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Target Log Management, page 21.](#)

PS Web Site Targets

This section discusses:

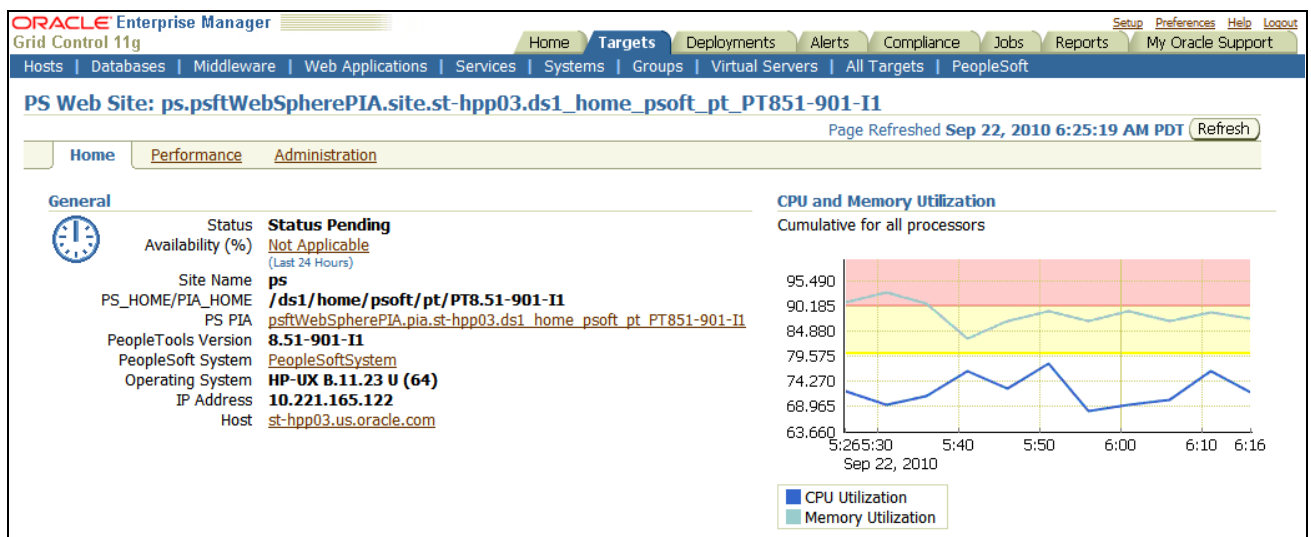
- The PS Web Site homepage
- PS Web Site performance
- PS Web Site administration

PS Web Site targets comprise the second part of a PeopleSoft web server. This level contains all of the PS PIA settings and files; hence, a PS Web Site target requires a tandem PS PIA target in order to be activated. There can be one or multiple sites attached to a PS PIA target. The PS Web Site's key role is configuration.

To access the PS Web Site target type, select Targets, PeopleSoft and select a PS Web Site target.

The PS Web Site Homepage

The PS Web Site homepage shows basic information for a web site. Select Targets, PeopleSoft, and select the desired PS Web Site target. The PS Web Site homepage appears.



PS Web Site Homepage

Fields listed in the General section are:

- Status

The status shown on this page reflects the status of the parent PS PIA.

You cannot perform stop or start from this page—you must do that on the PS PIA target page.

- Availability
- Site Name
- PS_HOME/PIA_HOME
- PS PIA
- PeopleTools Version
- PeopleSoft System
- Operating System
- IP Address
- Host

Links listed in the Related Links section are:

- Monitoring Configuration
- Alert History
- Access
- All Metrics
- Blackouts
- Target Properties
- Metric and Policy Settings
- Reports

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Common Elements on Homepages, page 14.](#)

PS Web Site Performance

The graphs and metrics displayed on the Performance page are similar to that of PS PIA showing the CPU and memory utilization of the host.

See [Chapter 8, "PS PIA and PS Web Site Targets," PS PIA Target Performance, page 77.](#)

PS Web Site Administration

Select Administration to display the PS Web Site Administration page.

Configuration Management links that appear on this page:



PS Web Site Administration

- [Configure Site](#)
- [Web Profile](#)
- [Integration Broker](#)
- [Compare Configurations](#)
- [Compare to Multiple Configurations \(Jobs\)](#)
- [Last Collected Configuration](#)
- [View Saved Configuration](#)
- [History](#)

Additional Utilities link that appears on this page is [PIA Signon](#).

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Target Administration Pages, page 16.](#)

Chapter 9

PS Search Server Domain Targets

This chapter provides an overview and discusses:

- The PS Search Server Domain homepage.
- How to create a PS Search Server Domain.
- PS Search Server Domain performance.
- PS Search Server Domain administration.
- PS Search Server Domain logs.

Understanding PS Search Server Domain Targets

The PS Search Server Domain target type allows for the application server search function in PeopleSoft applications.

The PS Search Server Domain enables you to:

- Centralize search functions.
- Implement a search server on a platform separate from the application server.
- Run application server domains on operating systems that may not be supported by Verity.

One search server domain can be associated with more than one application server domain, however, an application server domain can have just one search server.

The PS Search Server Domain Homepage

Select Targets, PeopleSoft, then select a PS Search Server Domain target. The homepage appears:

PS Search Server Domain Homepage

The elements that appear on the PS Search Server Domain homepage are similar to those found on application server and Process Scheduler homepages.

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Common Elements on Homepages, page 14.](#)

Creating a PS Search Server Domain

You can create a PS Search Server Domain in the PeopleSoft subtab. Select PS Search Server from the Create drop-down list and click Go. The Create PS Search Server Domain page appears. The Import Configuration from File option is not available when creating a PS Search Server Domain.

Note. Not all platforms support a separate search server domain. Therefore, the system checks whenever you try to create a search server domain manually. If a separate search server domain target type is not supported on your platform, an error occurs.

See [Chapter 5, "PS Application Server Domain Targets," Creating PS Application Server Domain Targets, page 51.](#)

PS Search Server Domain Performance

This page displays the same information as the PS Process Scheduler Domain Performance page except that the process in the Queued Process graph is the PSSRCHSRV.

See [Chapter 5, "PS Application Server Domain Targets," PS Application Server Domain Performance, page 56.](#)

PS Search Server Domain Administration

This page displays information similar to that displayed on the PS Application Server Domain Administration page.

The screenshot shows the Oracle Enterprise Manager interface for the PS Search Server Domain. The page title is "PS Search Server Domain: Q851901I.srch.st-hpp03.ds1_home_psoft_pt_PT851-901-I1". The page was refreshed on Sep 22, 2010 at 6:43:35 AM PDT. The navigation menu includes Home, Performance, Administration (selected), and Logs. The main content area is divided into four sections:

- Configuration Management**
 - [Configure Domain](#)
 - [Compare Domain Configurations](#)
 - [Compare To Multiple Configurations \(Jobs\)](#)
 - [Last Collected Configuration](#)
 - [View Saved Configurations](#)
 - [History](#)
- Tuxedo Management**
 - [Access Tuxedo Command Line \(TMADMIN\)](#)
 - [Process Status](#)
 - [Client Status](#)
 - [Queue Status](#)
- Domain Management**
 - [Start Domain](#)
 - [Stop Domain](#)
 - [Stop Domain \(Forced\)](#)
 - [Delete Domain](#)
 - [Clean IPC Resources](#)
- Additional Utilities**
 - [Execute Host Command](#)
 - [Windows Service Management](#)

PS Search Server Domain Administration

Configuration Management links that appear on this page:

- [Configure Domain](#)
- [Compare Domain Configurations](#)
- [Compare to Multiple Configurations \(Jobs\)](#)
- [Last Collected Configuration](#)
- [View Saved Configuration](#)
- [History](#)

Domain Management links that appear on this page:

- [Start Domain](#)
- [Stop Domain](#)
- [Stop Domain \(Forced\)](#)
- [Delete Domain](#)
- [Clean IPC Resources](#)

Tuxedo Management links that appear on this page:

- [Access Tuxedo Command Line \(TMADMIN\)](#)

- Process Status
- Client Status
- Queue Status

Additional Utilities links that appears on this page are:

- Execute Host Command.
- Windows Service Management (available only for targets with a Windows host).

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Target Administration Pages, page 16.](#)

PS Search Server Domain Logs

This page displays the same features as the PS Application Server Domain Logs page.

See [Chapter 2, "Understanding the PeopleSoft Environment Management Plug-in," Target Log Management, page 21.](#)

Chapter 10

PeopleSoft Systems and Services

This chapter provides an overview and discusses how to:

- Define PeopleSoft systems.
- Edit PeopleSoft systems.
- Remove PeopleSoft systems.
- Manage PeopleSoft systems.

Understanding PeopleSoft Systems

PeopleSoft targets sharing the same application database can be grouped into a PeopleSoft system. A PeopleSoft system can comprise an application database, multiple PS PIA targets, PS Web Sites, PS Process Scheduler Domains, PS Process Monitor, PS Search Server Domains, and PS Application Server Domains. For example, a typical PeopleSoft system might be a production HCM application, which could include various PeopleSoft entities—like an application server, web server, search server, Process Scheduler, Process Monitor, and an application database. The PeopleSoft application database is the common target that binds the other PeopleSoft targets together in the PeopleSoft system.

Note. If you use automated system creation, all PeopleSoft targets that are associated with a particular PeopleSoft application database are added to this system. Only PeopleSoft targets that have been registered in Enterprise Manager can be in a system.

PS PIA and PS Web Site targets do not appear in an automatically generated system, unless they have been logged into previously.

Understanding Services

A *service* is defined as an entity that provides a useful function to its users; specifically, it models a business process or application. An administrator defines a *service test* to determine whether or not the service is available and performing. A *beacon* is a target type in Enterprise Manager that performs a service test.

The PeopleSoft Environment Management Plug-in delivers a service test that enables administrators to monitor the availability of a PeopleSoft application by simulating a login-logout activity.

Note. The delivered service test checks only the login and logout capability of the PeopleSoft application by simulating it (using the URL entered by the user). However, administrators can create their own services in Enterprise Manager to track specific areas of their applications, such as in payroll processing or call center services. They can also modify the generated service.

Creating PeopleSoft Systems

The section discusses:

- The PeopleSoft System homepage.
- Automated PeopleSoft system creation.
- Manual PeopleSoft system creation.

The PeopleSoft System Homepage

To view the Systems homepage, click Targets, Systems, then select a PeopleSoft system. The PeopleSoft System homepage appears.

General
 Owner: **SYSMAN**
 Problem Jobs: **0**
 Last 7 days.
 Privilege Propagation: **Disabled**

Alerts

Severity	Current	Last 24 hours
Critical	2	1
Warning	2	1
Total	4	2

Services

Name	Type	Status	Performance Alerts	Usage Alerts	Policy Violations
Q8519011.PSSystem.Service	Web Application	Up	0	0	0

Policy Violations

Severity	Current	Last 24 Hours		Distinct Policies Violated
		Cleared	New	
Critical	0	0	0	0
Warning	3	0	0	3
Info	0	0	0	0
Total	3	0	0	3

Security Policy Violations

Severity	Current	Last 24 Hours		Distinct Policies Violated
		Cleared	New	
Critical	0	0	0	0
Warning	0	0	0	0
Info	0	0	0	0
Total	0	0	0	0

Recommended Security Patches
 Security Recommendations: **Unavailable**
 My Oracle Support: **Credentials Not Set**
 Patch Recommendations are not available. My Oracle Support credentials are required.

PeopleSoft System Homepage

Automated PeopleSoft System Creation

To create a PeopleSoft system, select Targets, Systems. Select *PeopleSoft System* in the Add field and click Go.

The Create PeopleSoft System page appears:

Create PeopleSoft System

Automated PeopleSoft System Creation

* PS App DB Select the database that will be associated to the new system.

* System Name

Time Zone

Service Configuration

Create Service

* Name of Service

* Beacon Choose an existing beacon to associate with the service.

Time Zone

Enter a User ID and password that can login to the PeopleSoft Application. The User ID/password will be used to test availability of your PeopleSoft system.

PS Web Site	PeopleSoft Homepage URL	User ID	Password	Delete
ps.psftWebSpherePIA.site.st-hpp03.ds1_home_psoft_pt_PT851-901-I1	<input type="text"/>	<input type="text"/>	<input type="text"/>	

[Manual PeopleSoft System Creation](#)

Automated PeopleSoft System Creation

PS App DB Select the PeopleSoft database that should be associated to the new system. The list includes all the PS Application Databases that have been registered in Enterprise Manager.

System Name Enter a new system name. Enterprise Manager automatically assigns a system name as *<DBName>+[01-99].PSSystem*. If there is already a system with that name, the new name increases incrementally by 1. You can change the system name to one that is more descriptive.

Timezone Select the appropriate time zone. The default is the time zone of the Oracle Management Service.

Service Configuration

Create Service (Optional) Select to configure the service that the PeopleSoft Environment Management Plug-in automatically creates for every valid PeopleSoft system. This service simulates the login-logout action to the PeopleSoft application. If you leave the check box cleared, the remaining fields are unavailable for selection.

Service Name Enter a service name. The default is *<System Name>+. Service*.

Beacon Click the icon to open a browser listing predefined beacons. Select the beacon you want associated with the service.

Timezone	Select the appropriate time zone for the service. The default is the time zone of the Oracle Management Service.
PS Web Sites and User IDs	<p>Lists the PS Web Sites detected in the PeopleSoft system. You must define the URL for the PeopleSoft page of each PS Web Site and specify login credentials.</p> <ol style="list-style-type: none"> 1. Enter the PeopleSoft application homepage URL (the first page to appear after the PeopleSoft login page). The format is: <protocol>://<hostname>/psp/<web site>/<portal>/<node>/h/<tab ID> For example: http://myserver.peoplesoft.com/psp/ps/EMPLOYEE/PT_LOCAL/h/?tab=DEFAULT 2. Enter a user ID and password for use as the login to these URLs. 3. To remove a web site from the service, click Delete at the end of the row. <hr/> <p>Note. A service can be created only if there is at least one URL and one PS Web Site listed in the grid.</p> <hr/>

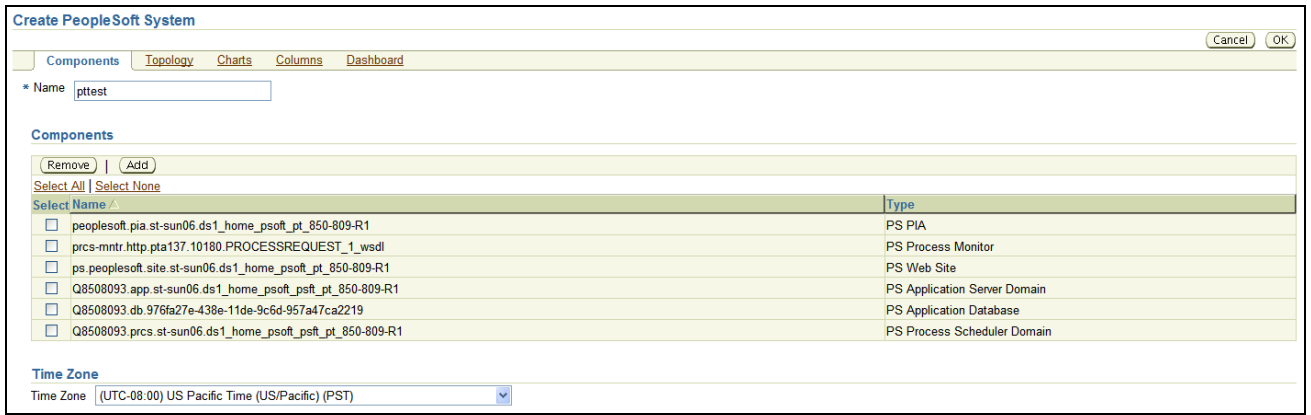
Click OK to proceed with the automated system creation.

Note. All system properties are defaulted when the system is created automatically.

There are no defaults for charts and metric data and they must be set up manually, if desired.

Manual System Creation

To select components individually for system creation, click the Manual PeopleSoft System Creation link in the lower left-hand part of the Create PeopleSoft System page.



Create PeopleSoft System page

Name Enter a name for your new PeopleSoft system.

Components Click Add to display the Search and Select Targets page. Select the targets you want to add to the PeopleSoft system.

Timezone Select the appropriate time zone for this system.

To add a PeopleSoft system manually:

1. Enter or select values for the fields listed above.
2. Because you are manually creating a system by adding targets, you must also manually specify the target associations.

To define the associations or relationships among the target types, click Topology.

3. There are several additional steps needed to create a PeopleSoft system manually. Refer to the Enterprise Manager documentation for more information.
4. Click OK when you have added all the desired components.

Editing PeopleSoft Systems

From the Edit PeopleSoft Systems page, you can add and remove targets from a PeopleSoft system and redefine associations shown in the topology.

Select Targets, Systems, then select the PeopleSoft system that you want to edit and click Configure. The Edit PeopleSoft System page appears:

Edit PeopleSoft System : PeopleSoftSystem (Cancel) (OK)

Components [Topology](#) [Charts](#) [Columns](#) [Dashboard](#)

Components

(Remove) | (Add)

[Select All](#) | [Select None](#)

Select	Name <small>△</small>	Type
<input type="checkbox"/>	prcs-mntr.http.st-hpp03.10201.PROCESSREQUEST_1_wsdI	PS Process Monitor
<input type="checkbox"/>	ps.psftWebSpherePIA.site.st-hpp03.ds1_home_psoft_pt_PT851-901-II	PS Web Site
<input type="checkbox"/>	psftWebSpherePIA.pia.st-hpp03.ds1_home_psoft_pt_PT851-901-II	PS PIA
<input type="checkbox"/>	Q851901I.app.st-hpp03.ds1_home_psoft_pt_PT851-901-II	PS Application Server Domain
<input type="checkbox"/>	Q851901I.db.3715a3b6-c315-11df-97bc-fb1bc04f5c84	PS Application Database
<input type="checkbox"/>	Q851901I.prcs.st-hpp03.ds1_home_psoft_pt_PT851-901-II	PS Process Scheduler Domain
<input type="checkbox"/>	Q851901I.srch.st-hpp03.ds1_home_psoft_pt_PT851-901-II	PS Search Server Domain

Time Zone
Time Zone **(UTC-08:00) US Pacific Time**

Components [Topology](#) [Charts](#) [Columns](#) [Dashboard](#) (Cancel) (OK)

Edit PeopleSoft System page

Removing PeopleSoft Systems

Removing a PeopleSoft system means you are removing a grouping of targets in Enterprise Manager. However, you are not removing the targets from the Enterprise Manager or their installations from the server. The member targets remain in Enterprise Manager and can be managed and used for building other systems.

To remove a PeopleSoft system:

1. Select Targets, Systems.
2. Select the existing system that you want to remove.
3. Click Remove.

Managing PeopleSoft Systems

This section discusses:

- PeopleSoft system administration
- PeopleSoft system components
- PeopleSoft system URL
- PeopleSoft system topology

PeopleSoft System Administration

You can create jobs and blackouts from the PeopleSoft System Administration page. Also, the PeopleSoft URLs that have been defined for a PeopleSoft system appear in the PeopleSoft URL section of the PeopleSoft System's Administration page. The URLs are listed as links and when selected, a new browser page opens showing the website that was defined.

Select Targets, Systems, a specific PeopleSoft system. From the homepage, select Administration.

The screenshot shows the 'PeopleSoft System: PeopleSoftSystem' administration page. At the top, it indicates the page was refreshed on Sep 22, 2010 at 12:21:41 PM PDT. Navigation tabs include Home, Charts, Administration (selected), Components, and Topology. The 'Job Activity' section shows a 'Create Job' dropdown set to 'OS Command' with a 'Go' button. Below this is a table of job statuses: Problems, Action Required, Suspended, Scheduled, and Running, each with 0 counts for 'Submitted to the PeopleSoft System' and 'Submitted to any member'. The 'Deployments Summary' section shows a 'View' dropdown set to 'Database Installations' and a table with columns for Database Installations, Targets, Installations, and Patches Applied, all showing '(No data found.)'. Other sections include 'Compare Target and Template Settings' (no templates found) and 'Configuration Searches' (no searches available). A 'PeopleSoft System URL' section contains a link to 'PeopleBooks' with a long URL. The bottom navigation bar is identical to the top.

PeopleSoft System Administration page

PeopleSoft System Components

The PeopleSoft System Components page lists all of the PeopleSoft targets included in the system. You can click an individual target to display that target's homepage.

Select Targets, Systems and a specific PeopleSoft system. From the homepage, select Components.

Name	Type	Status	Alerts	Policy Violations
peoplesoft_pia_st-sun06.ds1_home_psoft_pt_850-809-R1	PS PIA	⊕	0 0	0 1 0
prcs-mntr.http.pta137.10180.PROCESSREQUEST_1_wsd/	PS Process Monitor	⊕	0 0	0 0 0
ps.peoplesoft.site-st-sun06.ds1_home_psoft_pt_850-809-R1	PS Web Site	⊕	0 0	0 2 0
Q8508093.app-st-sun06.ds1_home_psoft_psf_pt_850-809-R1	PS Application Server Domain	⊕	0 0	0 0 0
Q8508093.db.976fa27e-438e-11de-9c6d-957a47ca2219	PS Application Database	⊕	0 0	0 0 0
Q8508093.prcs-st-sun06.ds1_home_psoft_psf_pt_850-809-R1	PS Process Scheduler Domain	⊕	0 0	0 0 0
ZOOSRCH.arch-st-sun06.ds1_home_psoft_psf_pt_850-809-R1	PS Search Server Domain	⊕	0 0	0 0 0

PeopleSoft System Components page

PeopleSoft System URLs

You can define different system URLs to be accessed in Enterprise Manager. Only users who have full target privileges can manage PeopleSoft system URLs in Enterprise Manager.

PeopleSoft delivers the following system URL types for you to create and associate URLs to your PeopleSoft system.

Note. The system administrator is responsible for populating the correct URL fields. The system does not verify the URL and by default, the URL fields are blank.

- Process Scheduler Management

You can enter the URL for any of the submenus used in PeopleTools Process Scheduler. For example, Process Monitor and Application Engine. Once you have defined this system URL, you can access it by selecting Administration for the PS Process Scheduler Domain target, then click Manage Process Scheduler in PIA.

- Web Profile Search

This URL is associated with a PS Web Site target. Enter the URL from a PeopleSoft application to open its web profile page. The naming convention for this URL is <WebSite_Name>+_Web Profile Search.

- PIA Signon

You may have multiple values for PIA—however, the PS Web Site is the primary key. The PS Web Site drop-down list in the Create URL page shows only the PS Web Sites that have been defined in the PeopleSoft system. If there are no PS Web Sites present in the PeopleSoft system you cannot create a PIA Signon URL entry. The naming convention for this URL is <WebSite_Name>+_PIA Signon.

- Integration Broker Monitor Message

This URL is associated with a PS Web Site target. Enter the URL from a PeopleSoft application to open its Integration Broker profile page. The naming convention for this URL is <WebSite_Name>+_Integration Broker Monitor Message.

- Web Server Administration

This refers to WebSphere, Weblogic, or OAS web server administration site. Enter the URL here to access the web server administration site from Enterprise Manager. You may have multiple values here, while the PS PIA target is the primary key. The naming convention for this URL is <PIA_Name>+_Web Server Administration.

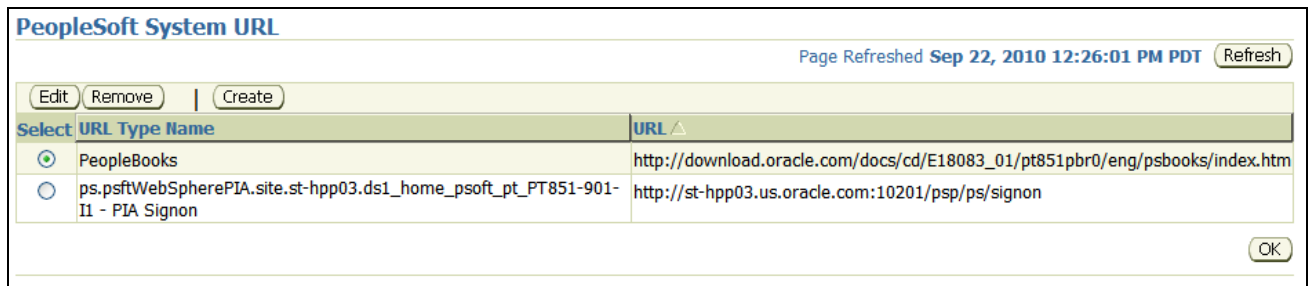
- Performance Monitor

Enter the URL of the Performance Monitor configuration that is monitoring your PeopleSoft system performance.

- PeopleBooks

Enter the URL of your PeopleBook web site for access from Enterprise Manager.

Click the PeopleSoft System URL Setup link in the Related Links region of the PeopleSoft System homepage to access the PeopleSoft System URL page.



PeopleSoft System URL page

Edit Select a URL , then click to enter changes to previously created PeopleSoft system URLs.

Remove Click to remove a PeopleSoft system URL.

Create Click to display the Create PeopleSoft System URL page. Select the URL type and make other appropriate selections. Click Save.

Note. By default, the system prepends http:// to the front of the URL, if not already present, when saving the record.

PeopleSoft System Topology

The Topology page shows a graphical view of a PeopleSoft system and enables you to perform several tasks.

From the Topology page, you can:

- See the status of each target—icons are green (up), red (down), light gray (unknown), dark gray (blackout).
- Display data that is refreshed every 30 seconds, or manually if specified.

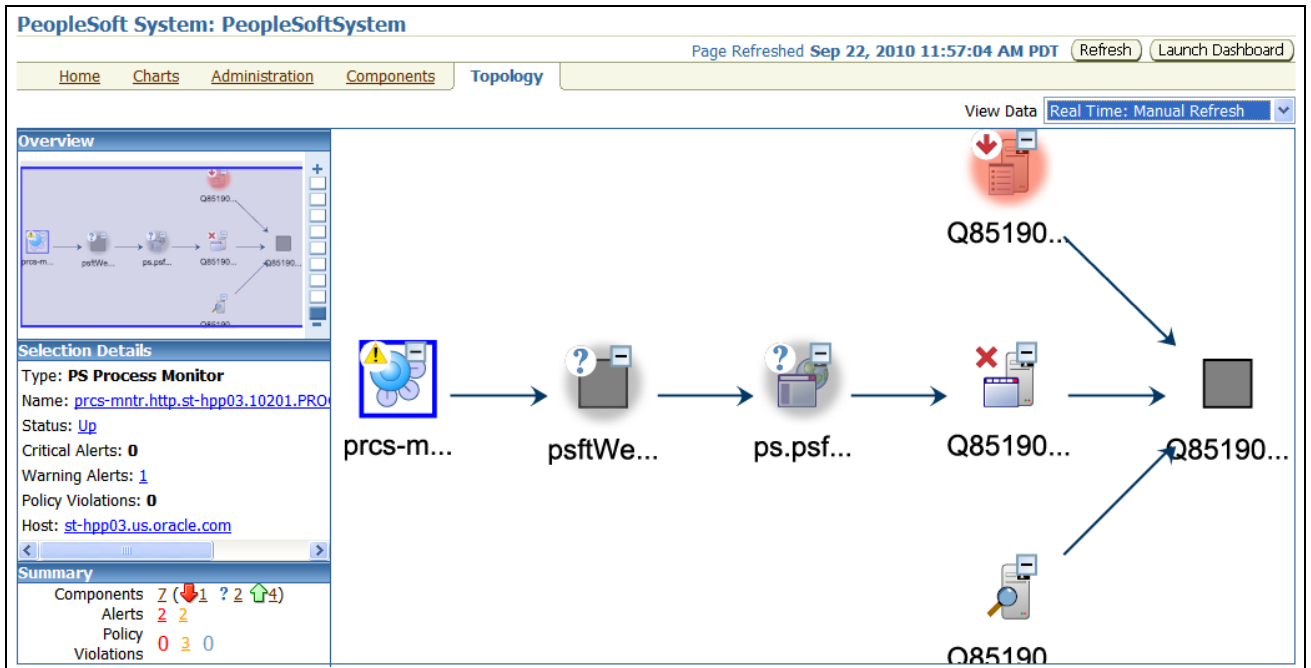
- Zoom in and out by clicking the icons in the left-hand column. Show summary information on the number of alerts and policy violations on a per target or system basis.
- You can initiate common PeopleSoft actions for a target by right-clicking on the target's icon.

The actions available depend on the target type and your target privileges. For example, if you have operator level target privileges, you can only start, stop and purge.

The actions available by target types with full target privileges are:

- PS Application Database has no actions available, it is display only.
- PS Application Server Domain allows start, stop, configure, and purge/archive.
- PS Search Server Domain allows start, stop, and configure.
- PS Process Scheduler Domain allows start, stop, and configure.
- PS Process Monitor allows Process Monitor and Schedule Process.
- PS PIA allows start and stop.
- PS Web Site allows configure.

To view a PeopleSoft system in the Topology Viewer, select Targets, Systems and select a PeopleSoft system. The homepage appears, select Topology. The Topology Viewer opens.



PeopleSoft System Topology

Chapter 11

Security for PeopleSoft Environment Management Plug-in

This chapter provides an overview and discusses:

- Working With Target Privileges
- Managing Target Preferred Credentials
- Working With Target Credentials
- Working With Enterprise Manager User Accounts
- Updating Target Credentials for PeopleSoft Targets

Understanding Enterprise Manager Security

The PeopleSoft Environment Management Plug-in relies on Oracle Enterprise Manager's security framework for most security features.

Enterprise Manager identifies *administrators* to manage the Enterprise Manager administration accounts. These are the administrator access categories:

Administrator	This is considered the regular Enterprise Manager administrator.
Super Administrator	This is considered the most powerful Enterprise Manager administrator with full access privileges to all targets and administrator accounts within the Enterprise Manager environment. Only super administrators can perform administrative operations on regular administrator accounts.
Repository Owner	This is the database administrator for the Management Repository. This account cannot be modified, duplicated, or deleted.

From the Enterprise Manager Grid Control Console, you can create and manage new administrator accounts. Each administrator account includes its own login credentials, and a set of roles and privileges that are assigned to the account.

Working With Target Privileges

Target privileges enable an administrator to perform operations on a target. Certain privileges are automatically given to administrators based on other privileges. For example, granting any privileges on a target automatically grants the View target privilege on the host.

Target privileges are divided into these groups:

View Enables the administrator to view properties, inventory, and monitor information about a target. The view privilege is propagated to all members of aggregate targets such as groups and systems.

Note. The view privilege must also be assigned to the agent of the target.

Operator Enables the administrator to perform the following operations on a target: startup, shutdown, edit target properties, view the components of the system, modify system membership, add charts to the system, create or edit system topology, customize the dashboard associated with the system, change the columns that appear on the System Members page, and black out the system and its components. The Operator Target privilege does not automatically propagate to members of the System.

Full Implicitly grants all the target privileges and enables the administrator to delete a target and configure credentials for maintenance operations of a target.

When you create a system, you become its owner and automatically receive full privileges for the system and view on all targets. Certain privileges are automatically given to administrators based on other privileges. For example, granting any privileges on a target automatically grants the View target privilege on the host.

See Also

[Appendix B, "Roles and Privileges," Target Actions and Privileges, page 115](#)

Managing Target Preferred Credentials

Target Preferred Credentials is a credential specifically applied to a single target for a particular user.

Note. PeopleSoft targets do not use host preferred credentials for PeopleSoft-specific actions.

Preferred credentials simplify access to managed targets by storing target login credentials in the Management Repository. With preferred credentials set, users can access an Enterprise Manager target that recognizes those credentials without being prompted to log into the target. Preferred credentials are set on a per user, per target basis, thus ensuring the security of the managed enterprise environment.

To manage Enterprise Manager preferred credentials:

1. Click Preferences at the top of any Enterprise Manager Grid Control page.
2. Click Preferred Credentials in the vertical navigation bar.

Enterprise Manager displays the Preferred Credentials page. The first column lists all the target types.

3. Click the Set Credentials icon (last column) that corresponds to the target type for which you want to manage the preferred credentials.

The specific target type's preferred credentials page appears.

4. Enter the host credentials, as desired.

If you need help using the Preferred Credentials page, click Help at any time.

Working With Target Credentials

Each of the target privilege levels are assigned actions that can be performed whenever the privilege is assigned to a role or user.

See [Appendix B, "Roles and Privileges," page 115](#).

The Target Credentials page is used to verify credentials.

Depending on what actions you want to perform, you may be required to enter host credentials in the Target Credentials page.

If desired, you can select the Saved Preferred Credentials check box, and the system will not prompt for credentials the next time you initiate the action for this target (when you are the current user in Enterprise Manager).

Target Credentials

Target: **test.app.st-sun06.ds1_home_psoft_psft_pt_850-809-R1**
 Action: **Start Domain**

Enter credentials for the target host

* Username

* Password

Run Privilege Run as Profile

Save as Preferred Credential

Related Link
[Show Preferred Credentials](#)

Target Credentials page

Working With Enterprise Manager User Accounts

There are a variety of user accounts that you may use with your Enterprise Manager system. Which accounts you use and how you manage them with your PeopleSoft system depends on a variety of factors, including your security implementation and your operating system. Because the topic of user accounts should be considered at the time of your installation, this topic is discussed in detail within the PeopleSoft Environment Management Plug-in installation documentation that is provided with the plug-in software.

See Also

Installation Guide: Oracle's PeopleSoft Environment Management Plug-in 8.51

Updating Target Credentials for PeopleSoft Targets

Target credentials are stored for each PeopleSoft target when it is discovered or created on Enterprise Manager Grid Console. The target credentials are stored in \$AGENT_HOME\sysman\emd\targets.xml and used for target metric collection. Due to security restrictions, it is likely that the password will expire eventually for hosts. If the password expires, metric collection fails for the PeopleSoft targets.

If the password for target credentials expires, one of the following solutions can be used to change the password for the PeopleSoft targets.

- Remove the target from your system in Enterprise Manager, and rediscover it.

See [Chapter 3, "Discovering PeopleSoft Targets," page 29](#).

- Use the Enterprise Manager Command Line Interface (EM CLI).

EM CLI installation and setup instructions are available at the following local Enterprise Manager Grid Console link.

http://<machinename>:<portnumber>/em/console/emcli/download

For example:

http://st-hp16.peoplesoft.com:4889/em/console/emcli/download

For more information on EM CLI refer to the EM CLI documentation provided by Oracle.

The syntax of the EM CLI command to change the password is:

```
emcli update_password
-target_type="ttype"
-target_name="tname"
-credential_type="cred_type"
-key_column="column_name:column_value"
-non_key_column="col:oldvalue:newvalue;..."
```

For example, the following command changes the password for target credentials of an application server target:


```
>emcli update_password
-target_type=ps_app_server
-target_name=newappl.app.st-hpp03.dsl_home_psoft_psft_pt_850-809-I1
-credential_type=PsoftHostCreds
-key_column="HOST_USERNAME:psoft"
-non_key_column="HOST_PASSWORD:psoft456:psoft"
```

Similarly, the password can be changed for other PeopleSoft target types. Change the target name, type, username and password in the above command for other PeopleSoft targets. The following table shows the target type value per PeopleSoft target.

Target	target_type Value
PS Application Server Domain	ps_app_server
PS Process Scheduler Domain	ps_process_scheduler
PS Search Server Domain	ps_search_server
PS PIA	ps_pia
PS Website	ps_web_site
PS Process Monitor	ps_process_monitor
PS Application Database	ps_app_db

Note. To change the password for multiple targets, the change password commands for multiple targets can be stored in a script and run once to update multiple passwords.

Chapter 12

Validating Policies

This chapter provides an overview and discusses:

- Enterprise Manager policy validation.
- PeopleSoft policy definitions.

Understanding Policies

Policies define the optimal configurations of systems and any deviations to your systems or applications are reported. Examples of deviations include inappropriate settings and incorrect system configurations.

The PeopleSoft Environment Management Plug-in delivers predefined policies.

Enterprise Manager Policy Validation

The PeopleSoft Environment Management Plug-in uses the policy validation of Enterprise Manager. It enables you to verify the configurations of different targets and identify inconsistencies or possible issues.

Note. There are no policies for PS Application Database, PS Process Scheduler, or PS Search Server Domain targets.

Policy validation is initially set to run once every 24 hours. However, it occurs automatically when PeopleSoft targets are discovered. You can change the collection schedule of each policy by:

- Selecting the Metric and Policy Setting link for the target homepage.

The Metric and Policy Settings page appears.

- From the Policies tab, click the Collection schedule before each policy to change their individual schedules.

Click OK every time you change a policy setting, otherwise, Enterprise Manager does not update the changed values.

Once the collection is run on a scheduled basis, Enterprise Manager retrieves the corresponding metric in the repository and compares it to the condition defined in the policy. If the policy condition is met (identifies a violation), violation data is generated and you can view it in the Violation Summary region of the target homepage.

Violations can be viewed from the Policy Violations page. Select the Policies tab in Enterprise Manager, then Count from the Policy Violations. From this page, you can access the Policy Violation Detail page.

The count of violations can be viewed from a target's homepage in the Policy Violations section. Click the violation count link to open the Policy Violations page, then click the count to open the Policy Violation Detail page.

Access the Policy Violation Detail page by clicking a value in the Violation Count column of the Policy Violation page.

PS Application Server Domain: Q851901I.app.st-hpp03.ds1_home_psoft_pt_PT851-901-I1 >

Policy Violation Details: PSAPPSRV Recycle Count

Target Name **Q851901I.app.st-hpp03.ds1_home_psoft_pt_PT851-901-I1** Target Type **PS Application Server Domain**

This page shows objects in violation of this policy. Suppress the violations that you do not want to be included in the list of policy violations. Last Evaluation **Sep 21, 2010 8:19:50 PM PDT**

General

Severity **76**

Compliance Score (%) **76**

Importance **Normal**

Category **Configuration**

Description **Checks that the PSAPPSRV Recycle Count is not set too low**

Objects with Violations

Objects with Violations **1**

Objects with Suppressed Violations **0**

Impact of Violation

Setting the recycle count to a lower number would cause the AppServers to restart unnecessarily and thereby impact performance.

Recommendation

Increase recycle count to recommended value

Violations

View Violations

[Select All](#) | [Select None](#)

Select	PSAPPSRV Recycle Count	Non-Compliant Since	Automated Corrective Action Status	Comments
<input type="checkbox"/>	1000	Sep 18, 2010 7:20:19 AM PDT	Not Applicable	

Related Link

[Edit Policy Settings](#)

Policy Violation Details page

The Policy Violation Details page shows detail about the violation, a graph showing the percentage of this violation within the target, the violation's impact, the recommended fix, and a grid listing the occurrences of each violation.

Click Suppress Violation to display the Suppress Violation page where you can specify which policies to suppress.

To edit policy definitions such as disabling the policy check for a target or changing its threshold select the Edit Policy Rule Settings from the Related Links.

Appendix A

Configuration and Metric Data Collected

This appendix discusses:

- Configuration data collected.
- Metric data collected.

Configuration Data Collected

Enterprise Manager collects configuration data from each target type's configuration. Configuration data is collected on a regular basis—the default is once a day—and is transmitted to the Oracle Management Service. The first configuration collection occurs after the initial discovery process.

For subsequent configuration collections, the Oracle Management Service receives and parses the data and saves updates to the Management Repository. In addition to the regularly scheduled configuration collection process, collections are triggered every time you change a target's configuration from within Enterprise Manager.

The following table shows the configuration data collected for each PeopleSoft target type.

<i>PeopleSoft Target Type</i>	<i>Data in These Files</i>
PS Application Database	PeopleTools tables
PS Application Server Domain	psappsrv.cfg, psappsrv.ubx
PS Process Scheduler Domain	psprcs.cfg, psprcs.ubx
PS Search Server Domain	pssrchsvr.cfg, pssrchsvr.ubx
PS PIA	piaInstallLog.xml, config_prop, setEnv.sh/cmd or opmn.xml or server.xml
PS Web Site	web.xml, configuration.properties, integrationGateway.properties, pstools.properties, config_prop

PeopleSoft Target Type	Data in These Files
PS Process Monitor	For the PS Process Monitor target configuration, only the PeopleTools version and the WSDL URL is collected as part of configuration metrics. These two properties are collected from the PS Process Monitor target properties that are stored in \$AGENT_HOME/sysman/emd/targets.xml.

Metric Data Collected

Metric data refers to the collection of data that changes frequently, such as status, memory, disk utilization, and so on. PeopleSoft delivers predefined metric types and default collection times for each target type. The metrics can be viewed by clicking the All Metrics link on each target homepage.

The metric data collected is saved to the Management Repository and is compared to predefined thresholds for each target. If a threshold has been reached, the system generates an alert. The alerts display on each target's homepage.

The following table shows the metric data collected for each PeopleSoft target type.

Target Type	Attribute Name	Collection Schedule	Description
PS Application Database	Availability/Response	10 minutes	Checks the status of the PS Application Database
PS Application Server Domain	Availability/Response	1 minute	Checks the status of PS Application Server Domain
PS Application Server Domain	# of Process Queued for App Server	10 minutes	Monitors the number of PSAPPSRV processes queued for a PS Application Server Domain. Generates an alert if the defined threshold is reached.
PS Application Server Domain	# of Process Queued for BRK Dispatcher (if enabled)	13 minutes	Monitors the number of PSBRKDSP processes queued for a PS Application Server Domain. Generates an alert if the defined threshold is reached.
PS Application Server Domain	# of Process Queued for BRK Handler (if enabled)	14 minutes	Monitors the number of PSBRKHND processes queued for a PS Application Server Domain. Generates an alert if the defined threshold is reached.

Target Type	Attribute Name	Collection Schedule	Description
PS Application Server Domain	# of Process Queued for PUB Dispatcher (if enabled)	12 minutes	Monitors the number of PSPUBDSP processes queued for a PS Application Server Domain. Generates an alert if the defined threshold is reached.
PS Application Server Domain	# of Process Queued for PUB Handler (if enabled)	15 minutes	Monitors the number of PSPUBHND processes queued for a PS Application Server Domain. Generates an alert if the defined threshold is reached.
PS Application Server Domain	# of Process Queued for SUB Dispatcher (if enabled)	16 minutes	Monitors the number of PSSUBDSP processes queued for a PS Application Server Domain. Generates an alert if the defined threshold is reached.
PS Application Server Domain	# of Process Queued for SUB Handler (if enabled)	17 minutes	Monitors the number of PSSUBHND processes queued for a PS Application Server Domain. Generates an alert if the defined threshold is reached.
PS Application Server Domain	PSAPPSRV Handler Count	5 minutes	Monitors the number of active PSAPPSRV processes. Generates alerts if the count is above the specified value.
PS Application Server Domain	Total Tuxedo Connections	5 minutes	Counts the number of Tuxedo connections to the PS Application Server Domain. Generates alerts if the count is above the specified value.
PS Application Server Domain	Failed Processes	5 minutes	Shows the number of server processes that are down within a domain. The domain configuration should be verified against the server status. It generates alerts if the failed processes count is greater than or equal to 1.

Target Type	Attribute Name	Collection Schedule	Description
PS Application Server Domain	JSH Aborts	5 minutes	Shows the number of application server domain JSH Aborts. If the value exceeds the threshold, the system logs and alert.
PS Application Server Domain	JSH Load	5 minutes	The number of JSHs loaded. Formula for this count is: (Sum of Bgn values for JSH handlers in the client status) - (Sum of Cmmt values for JSH handlers in the client status). If the value exceeds the threshold, the system logs an alert.
PS Application Server Domain	WSH Aborts	5 minutes	Shows the number of PS Application Server Domain WSH Aborts. If the value exceeds the threshold, the system logs and alert.
PS Application Server Domain	WSH Loads	5 minutes	The number of WSHs loaded. Formula for this count is: (Sum of Bgn values for WSH handlers in the client status) - (Sum of Cmmt values for WSH handlers in the client status). If the value exceeds the threshold, the system logs and alert.
PS Application Server Domain	PS Application Server Client/Queue Server/Status	Real time	Displays the status of the client, queue, and server elements of the domain. This is equivalent to using the Domain Status menu options in PSADMIN.
PS Process Scheduler Domain	Availability/Response	1 minutes	Checks the status of PS Process Scheduler Domain.
PS Process Scheduler Domain	# Queued Processes for Process Scheduler (PSPRCRV)	15 minutes	Monitors the number of PSPRCRV processes queued for a PS Process Scheduler Domain. Generates an alert if the defined threshold has been reached.

Target Type	Attribute Name	Collection Schedule	Description
PS Process Scheduler Domain	# Queued Processes for Distribution Server (PSDSTSRV)	15 minutes	Monitors the number of PSDSTSRV processes queued for a PS Process Scheduler Domain. Generates an alert if the defined threshold has been reached.
PS Process Scheduler Domain	Failed Processes	5 minutes	Displays the current number of failed or down server processes within the domain. It generates alerts if the failed processes count is greater than or equal to 1.
PS Process Scheduler Domain	PS Server Queue/Server Status	Real time	Displays the status of the queue and server elements of the domain. This is equivalent to using the Domain Status menu options in PSADMIN.
PS PIA	Availability/Response	1 minute	Checks the status of PS PIA.
PS Web Site	Availability/Response	1 minute	Checks the status of PS PIA where the PS Web Site is connected.
PS Search Server Domain	Availability/Response	1 minute	Checks the status of the PS Search Server Domain.
PS Search Server Domain	# Queued Processes for Search Server (PSSRCHSRV)	5 minutes	Monitors the number of PSSRCHSRV processes queued for a PS Search Server Domain. Generates an alert if the defined threshold has been reached.
PS Search Server Domain	PS Search Server Client/Queue/Server Status	Real time	Displays the status of the client, queue, and server elements of the domain. This is equivalent to using the Domain Status menu options in PSADMIN.
PS Process Monitor	Availability/Response	1 minute	Checks the status of the PS Process Monitor.
PS Process Monitor	# of Running PeopleSoft Processes	30 minutes	Monitors the count of running processes (Run Status = Processing) in the last 1 hour.

Target Type	Attribute Name	Collection Schedule	Description
PS Process Monitor	# of Successful PeopleSoft Processes	30 minutes	Monitors the count of successfully completed processes (Run Status = Success) in the last 1 hour.
PS Process Monitor	Failed count	30 minutes	Displays the failed process count using Reporting web service. Run Status include "Error" and "No Success." Generates alerts if the metric value exceeds threshold value.
PS Process Monitor	Not Posted count	30 minutes	Displays the process count of those not posted. Distribution Status is "Not posted." Generates alerts if the metric value exceeds threshold value.
PS Process Monitor	Processes posted for more than 15 minutes	30 minutes	Displays the processes count for processes in the posting state for more than 15 minutes. Generates alerts if the metric value exceeds threshold value.
PS Process Monitor	Batch Processes stuck count	30 minutes	Checks the processes which are stuck. Run Status would be "Processing" for more than 30 minutes. Generates alerts if the metric value exceeds threshold value.
PS Process Monitor	Pending processes count	30 minutes	Checks the processes which are pending. Run Status would be "Queued" for greater than or equal to 30 minutes. Generates alerts if the metric value exceeds threshold value.
PS Process Monitor	Initiated but pending processes count	30 minutes	Checks the processes which are initiated but pending. Run Status should be "Initiated" for greater than or equal to 30 minutes. Generates alerts if the metric value exceeds threshold value.

Target Type	Attribute Name	Collection Schedule	Description
PS Process Monitor	Failed PS Process Metrics Data	Real time	Displays the failed processes using Reporting web service. Run Status include "Error" and "No Success."
PS Process Monitor	Initiated But Pending PS Process Metrics Data	Real time	Displays the processes which are initiated but pending. Run Status should be "Initiated" for greater than or equal to 30 minutes.
PS Process Monitor	Not Posted PS Process Metrics Data	Real time	Displays the processes that are not posted. Distribution Status is "Not posted."
PS Process Monitor	Pending Process Metrics Data	Real time	Displays the processes which are pending. Run Status would be "Queued" for greater than or equal to 30 minutes.
PS Process Monitor	Posting For More Than 15 Minutes Process Metrics Data	Real time	Displays the processes that are in the posting state for more than 15 minutes.
PS Process Monitor	Stuck PS Process Metrics Data	Real time	Displays the processes which are stuck. Run Status would be "Processing" for more than 30 minutes.

Appendix B

Roles and Privileges

This appendix discusses target actions and privileges.

Target Actions and Privileges

The following table lists target actions for each of the target types and actions for systems and logs.

Note. Users assigned a super administrator role can perform all actions for all target types, systems, and logs.

Target Actions and Privileges Tables

This section includes tables showing target actions, credentials, and roles.

PS Application Server Domain

<i>Target Actions</i>	<i>Target Credentials Required</i>	<i>Full Role</i>	<i>Operator Role</i>	<i>Viewer Role</i>
Create domain	Yes	Yes, with target system privileges		
Configure domain	Yes	Yes		
Import domain configuration from file	Yes	Yes, with target system privileges		
Create like domain	Yes	Yes, with target system privileges		
Compare domain configurations		Yes		
Compare to multiple configurations (jobs)		Yes		
Last collected configuration		Yes		

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
View saved configuration		Yes		
History		Yes		
Copy configurations	Yes	Yes		
Create service (Windows only)	Yes	Yes		
Create messaging server	Yes	Yes		
Configure messaging server	Yes	Yes		
Delete messaging server	Yes	Yes		
Create service (Windows only)	Yes	Yes		
Configure service (Windows only)	Yes	Yes		
Install service (Windows only)	Yes	Yes		
Delete service (Windows only)	Yes	Yes		
Start domain (parallel and serial)	Yes	Yes	Yes	
Stop domain (forced and normal)	Yes	Yes	Yes	
Access Tuxedo command line (TMADMIN)	Yes	Yes	Yes	
Purge/archive cache	Yes	Yes	Yes	
View domain processes status		Yes	Yes	Yes
View domain queue status		Yes	Yes	Yes

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
View domain client status		Yes	Yes	Yes
Delete domain	Yes	Yes		
Preload file cache	Yes	Yes	Yes	
Clean IPC resources	Yes	Yes	Yes	
Execute host command	Yes	Yes	Yes	
View domain status (stopped or running)		Yes	Yes	Yes

PS Search Server Domain

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Create domain	Yes	Yes, with target system privileges		
Configure domain	Yes	Yes		
Compare domain configurations		Yes		
Compare to multiple configurations (Job)		Yes		
Last collected configuration		Yes		
View saved configuration		Yes		
History		Yes		
Start domain	Yes	Yes	Yes	
Stop domain (forced and normal)	Yes	Yes	Yes	
Delete domain	Yes	Yes		
Clean IPC resources	Yes	Yes	Yes	

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Access Tuxedo command line (TMADMIN)	Yes	Yes	Yes	
Create service (Windows only)	Yes	Yes		
Configure service (Windows only)	Yes	Yes		
Install service (Windows only)	Yes	Yes		
Delete service (Windows only)	Yes	Yes		
View domain processes status		Yes	Yes	Yes
View domain queue status		Yes	Yes	Yes
View domain client status		Yes	Yes	Yes
View domain status (stopped or running)		Yes	Yes	Yes
Execute host command	Yes	Yes	Yes	

PS Process Scheduler Domain

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Create domain	Yes	Yes, with target system privileges		
Configure domain	Yes	Yes		
Import domain configuration from file	Yes	Yes, with target system privileges		
Create like domain	Yes	Yes, with target system privileges		

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Compare domain configurations		Yes		
Compare to multiple configurations (Job)		Yes		
Last collected configuration		Yes		
View saved configuration		Yes		
History		Yes		
Copy configurations	Yes	Yes		
Create service (Windows only)	Yes	Yes		
Configure service (Windows only)	Yes	Yes		
Install service (Windows only)	Yes	Yes		
Delete service (Windows only)	Yes	Yes		
Start domain	Yes	Yes	Yes	
Stop domain (forced and normal)	Yes	Yes	Yes	
Delete domain	Yes	Yes		
Clean IPC resources	Yes	Yes	Yes	
View domain processes status		Yes	Yes	Yes
View domain queue status		Yes	Yes	Yes
View domain status (stopped or running)		Yes	Yes	Yes
Execute host command	Yes	Yes	Yes	

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Manage Process Scheduler in PIA	Yes, also prompted for PIA login	Yes	Yes	

PS PIA

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Edit setEnv	Yes	Yes		
Edit web.xml	Yes	Yes		
Compare domain configurations		Yes		
Compare to multiple configurations		Yes		
Last collected configuration		Yes		
View saved configuration		Yes		
History		Yes		
Start PIA	Yes	Yes	Yes	
Stop PIA	Yes	Yes	Yes	
Web server type administration console	Yes, also prompted for PIA login	Yes	Yes	Yes
Customize start/stop scripts		Yes		
Execute host command	Yes	Yes	Yes	
View web domain status (if stopped or running)		Yes	Yes	Yes
Process Monitor Setup	Yes	Yes, with target system privileges		

PS Process Monitor

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Compare domain configurations		Yes		
Compare to multiple configurations		Yes		
Last collected configuration		Yes		
View saved configuration		Yes		
History		Yes		
Execute host command	Yes	Yes	Yes	
Process Monitor	Yes	Yes	Yes	
Schedule Process	Yes	Yes	Yes	
View predefined process metrics	No	Yes	Yes	Yes

PS Web Site

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Configure site	Yes	Yes		
Web profile	Yes, also prompted for PIA login	Yes	Yes	
Integration Broker	Yes, also prompted for PIA login	Yes	Yes	
Compare configurations		Yes		
Compare to multiple configurations (jobs)		Yes		
Last collected configuration		Yes		
View saved configuration		Yes		

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
History		Yes		
PIA signon	Yes, also prompted for PIA login	Yes	Yes	Yes
View web site status		Yes	Yes	Yes

PS Application Database

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
View status		Yes	Yes	Yes

Log Management (All Targets Except PS Web Site, PS Process Monitor, and PS Application DB)

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Search logs	Yes	Yes	Yes	Yes
View logs	Yes	Yes	Yes	Yes
Purge logs	Yes	Yes	Yes	
Log management setup		Yes		

Management Actions

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Create PeopleSoft system (only super administrator)				
Edit PeopleSoft system		Yes, if target access granted	Yes, if target access granted	
Delete PeopleSoft system		Yes, with target system privileges		
View PeopleSoft system		Yes, if target access granted	Yes, if target access granted	Yes, if target access granted

Target Actions	Target Credentials Required	Full Role	Operator Role	Viewer Role
Add PeopleSoft URL		Yes		
Delete PeopleSoft URL		Yes		
Edit PeopleSoft URL		Yes		
Access PeopleSoft system URLs		Yes	Yes	Yes
Add PeopleSoft targets (super administrator)				
Remove target		Yes, with target system privileges		
Start/Stop multiple domains (from PeopleSoft targets page)	Yes	Yes	Yes	

Appendix C

Target Log Files

This appendix lists default target log file locations and types.

Default Target Log Files

This section lists default log file locations and types for:

- PS PIA targets.
- PS Application Server Domains.
- PS Search Server Domains.
- PS Process Scheduler Domains.

PS PIA Log Files

This table lists PS PIA log file locations and log file types.

<i>File Location</i>	<i>Log File Type</i>
If using Weblogic: <PIA_HOME>/webserv/<Domain>/applications/peoplesoft/PSEMHUB/envmetadata/logs If using WebSphere: <PIA_HOME>/webserv/<cellname>_<nodename>_<servername>/peoplesoft.ear/PSEMHUB/envmetadata/logs	*.txt
<PIA_HOME>/webserv/<Domain>/logs	*.log
<PIA_HOME>/webserv/<Domain>/logs/replaydump	*.bug
<OAS_HOME>/j2ee/<Domain>/log/<Domain>_default_island_1/	*.log
<WEBSPPHERE_HOME>/logs/<server_name>	*.log
<WEBSPPHERE_HOME>/logs	*.log

PS Application Server Domain Log Files

The PS Application Server Domain log directories and log file types are:

<i>File Location</i>	<i>Log File Type</i>
<PS_CFG_HOME>/appserv/<appserver_domain>/LOGS	*.LOG TUXLOG.* *.trc *.tracesql *.mps *.lp process_state* *.dmp peopletools_state*
<PS_CFG_HOME>/appserv/<appserver_domain>	ULOG.<date> stderr stdout
<PS_CFG_HOME>/appserv	core

PS Search Server Domain Log Files

The PS Search Server Domain log directories and log file types are:

<i>File Location</i>	<i>Log File Type</i>
<PS_CFG_HOME>/appserv/search/DOMAIN_NAME/LOGS	*.trc *.LOG *.log *.lp *.dmp process_state* peopletools_state*
<PS_CFG_HOME>/appserv/search/DOMAIN_NAME	stdout stderr ULOG*
<PS_CFG_HOME>/appserv	core

PS Process Scheduler Server Log Files

The PS Process Scheduler Server Domain log directories and log file types are:

<i>File Location</i>	<i>Log File Type</i>
<PS_CFG_HOME>/appserv/	core
<PS_CFG_HOME>/appserv/prcs/<prcs_domain>/	stderr stdout ULOG*
<PS_CFG_HOME>/appserv/prcs/<prcs_domain>/LOGS/	*.LOG process_state* peopletools_state* TUXLOG*
<PS_CFG_HOME>/appserv/prcs/<prcs_domain>/log_out put/	delete_*.txt
<PS_CFG_HOME>/appserv/prcs/<prcs_domain>/log_out put/_PSPRCSRLOG/	*.*
<PS_CFG_HOME>/appserv/prcs/<prcs_domain>/log_out put/_PSDSTRVLOG	*.*
<PS_CFG_HOME>/appserv/prcs/<prcs_domain>/log_out put/_TUXLOG/	*.*
<PS_CFG_HOME>/appserv/prcs/<prcs_domain>/files/	*.*

Appendix D

Target Policies

This appendix discusses:

- PS Application Server Domain policies.
- The PS PIA policy.
- PS Web Site policies.

PS Application Server Domain Policies

This table lists the PS Application Server Domain policies:

<i>Policy</i>	<i>Definition</i>	<i>Severity</i>
Client Cleanup Timeout	The value should be ≤ 20 minutes. If it is greater than 20, a violation should be called out. Setting the value to 20 or less avoids having many idle client connections connected to the host. With client cleanup time out at a minimum value, it is a more effective use of the server's memory and CPU and improves performance.	Warning
PSAPPSRV Recycle Count	Value should be ≥ 5000 . Setting this at zero or too low may cause memory swapping.	Warning
Enable Server Caching	Recommend a setting of 2 to minimize the cost of recycling the application servers.	Informational
PSQRYSRV Min Handler	Set this to 1 if the PUBSUB server for the domain was activated.	Informational
PSBRKDSP Allowed Consec Service Failures	Set to > 1 to enable the system to recycle on its own in an event of a service failure.	Informational
PSPUBDSP Allowed Consec Service Failures	Set to > 1 to enable the system to recycle on its own in an event of a service failure.	Informational
PSSUBDSP Allowed Consec Service Failures	Set to > 1 to enable the system to recycle on its own in an event of a service failure.	Informational

Policy	Definition	Severity
PSBRKHND Allowed Consec Service Failures	Set to > 1 to enable the system to recycle on its own in an event of a service failure.	Informational
PSPUBHND Allowed Consec Service Failures	Set to > 1 to enable the system to recycle on its own in an event of a service failure.	Informational
PSSUBHND Allowed Consec Service Failures	Set to > 1 to enable the system to recycle on its own in an event of a service failure.	Informational

PS PIA Policy

This table lists the PS PIA policy.

Policy	Definition	Severity	Configuration File
JVM Heap size	Minimum and maximum heap size should be set to equal and it should be >= 256MB	Warning	SetEnv/opmn.xml/server.xml

PS Web Site Policies

This table lists PS Web Site policies.

Policy	Definition	Severity	Configuration File
Ig.isc.serverURL	The application server and WSL port combination should relate to a valid application server domain whose PUBSUB feature is set to active or true.	Warning	IntegrationGateway.properties
Ig.isc.toolsRel	The PeopleTools version specified should be equal to the PeopleTools version of the web server domain up to the patch level.	Warning	IntegrationGateway.properties
Compress Responses	Should be activated or set to true to enable faster transfer of transactional messages across the network.	Informational	Web Profile
Compress Response Reference	Should be activated or set to true to activate the compression from the web server to browser.	Informational	Web Profile

Policy	Definition	Severity	Configuration File
Cache Portal Objects	Should be activated to improve system performance by reducing service requests from the web server to the application server.	Informational	Web Profile
Cache Proxied Javascripts	These should be set to true for improved performance.	Informational	Web Profile
Cache Target Contents	These should be set to true for improved performance.	Informational	Web Profile
Cache homepage	These should be set to true for improved performance.	Informational	Web Profile
Cache Generated HTML	These should be set to true for improved performance.	Informational	Web Profile
METAXP	Should be equal to Cache Stale Interval. Cache Stale Interval value is seconds while METAXP is in minutes. So there should be a conversion that happens to detect a violation.	Warning	PeopleTools, Personalization, Personalization Options. Option Category Level = PPTL

Appendix E

Target Relationships

This appendix discusses:

- Links that display on homepages.
- Topology page relationships.

Links That Display on Homepages

This table lists links that display on target homepages:

<i>Link Displayed</i>	<i>Where</i>	<i>What It Means</i>
PS Application Database	Homepage of PS Application Server, PS Process Scheduler, PS Search Server	Successful discovery of the PS Application Database to which the target is connected.
PS Search Server	PS Application Server homepage	Valid entry in the Remote Search Server Credentials field (Search Section) in an application server domain configuration (psappsrv.cfg file that includes the domain ID, its fully qualified host name, and the search server port.
PeopleSoft System	Homepage of all targets	The target is an element of a PeopleSoft system.
Messaging Server	PS Application Server Administration page	Domain was created using a template (small, medium, large or custom) with these default sections of PUBSUB: PSBRKDSP_dflt, PSBRKHND_dflt, PSSUBDSP_dflt, PSSUBHND_dflt, PSPUBDSP_dflt, PSPUBHND_dflt
Windows Services Management	Administration page of PS Application Server, PS Process Scheduler, and PS Search Server	Host operating system is Windows
Manage Process Scheduler in PIA	PS Process Scheduler Administration page	PS Process Scheduler Domain is an element in a PeopleSoft system and has a URL defined for it.

Link Displayed	Where	What It Means
PS Application Server	PS Search Server homepage	PS Search Server Domain PSSRCHSRV section of configuration data has a valid entry for the application server credentials. The entry includes the domain ID, fully qualified host name and application server port (same value as the search server port).
Web Sites	PS PIA homepage	Successful discovery of PS Web Site, contained in this PS PIA target.
PS PIA	PS Web Site homepage PS Process Monitor homepage	Successful discovery of PS PIA in which the web site is contained.
PS Process Monitor	PS PIA homepage	Successful setup of Process Monitor with PS PIA.
PROCESSREQUEST Webservice URL	PS Process Monitor homepage	Location of web service definition file configured using PeopleSoft Integration Broker. Process Monitor uses this web service to schedule and monitor PeopleSoft processes.
Reverse Proxy	PS PIA homepage	Yes value means the target is connected to a reverse proxy server. N/A value means the target is not connected to a reverse proxy server. Reverse proxy server data comes from the web profile's Virtual Addressing page.
Web Server Console	PS PIA Administration page	PS PIA is an element in a PeopleSoft system and has a Web Server Administration URL defined for it.
Web Profile	PS Web Site Administration page .	PS Web Site is an element of a PeopleSoft system and has a Web Profile URL defined for it.
Integration Broker	PS Web Site Administration page	PS Web Site is an element of a PeopleSoft system and has a Integration Broker URL defined for it.
PIA Signon	PS Web Site Administration page	PS Web Site is an element of a PeopleSoft system and has a PIA Signon URL defined for it.

Relationships on Topology Page

This table lists the target relationships shown on the topology page, and how they occur.

<i>Topology Page Relationships</i>	<i>Established How</i>
PS PIA and PS Web Site	Defined by a discovery search on web server directories and paths.
PS Web Site and PS Application Server	Depends on the psserver value in the PS Web Site's configuration.properties file. Valid entry is the application server's fully qualified host name and its Jolt port.
PS Application Server and PS Search Server	Depends on the remote search server credentials value in the application server domain's configuration (psappsrv.cfg) file. Valid entry includes the search server's domain ID, its fully qualified host name and the search server port.
PS Application Server and PS Application Database PS Process Scheduler and PS Application Database PS Search Server and PS Application Database	Defined by the database GUID, which is generated when an application server connects to the database the first time.
PS Process Monitor and PS PIA	Defined by user during Discovery or Process Monitor Setup. Process Monitor can be registered in repository with pre-discovered PS PIA target.

Appendix F

Troubleshooting

This appendix discusses troubleshooting information related to the PeopleSoft Environment Management Plug-in.

RSA Certificate Issues on WebSphere

On some operating systems running WebSphere, root certificates of type RSA are not supported and will generate errors.

Issue

In some situations where the default signer certificate "root" from WebSphere is an RSA certificate type, you may see the following exception in the psemagent.log file during the PS Process Monitor discovery:

```
javax.net.ssl.SSLKeyException: RSA premaster secret error
```

This indicates that the agent's JDK on the specific operating system does not support RSA certificates.

Solution

To resolve RSA certificate issues:

1. Create a self-signed certificate of type "DSA" using the keytool utility.

For example, the following command creates a custom keystore "pskey" with one self-signed DSA certificate.

```
$Agent_Home/jdk/bin/keytool -genkey -alias dsakey -keystore pskey  
-keyalg DSA -sigalg SHA1withDSA -storepass password -keypass password  
-storetype JKS -dname "cn=localhost"
```

In the following steps, you will import this DSA certificate into WebSphere, and make it the default signer certificate for SSL communication.

2. Login to the WebSphere administration console, and select Security, SSL certificate and key management, Key stores and certificates.
3. Create a new keystore *custompskey* and import the above DSA certificate from that "pskey" keystore into this new keystore *custompskey*.
4. Select SSL certificate and key management, SSL configurations, and create a new SSL configuration named *customSSLConfiguration*.

5. Associate the SSL configuration (customSSLConfiguration) with the keystore custompskey and the DSA key within it.
6. On the SSL certificate and key management screen click the Manage endpoint security configurations link and replace the "DefaultNodeSSLSettings" with "customSSLConfiguration" settings at the "node" scope level for both inbound and outbound routes.
7. Verify the certificate by signing on to PeopleSoft.

Sign on through the HTTPS port, and click "View Certificates" from the dialog box WebSphere presents for the certificate. It should show the DSA certificate imported in the previous steps.

8. Copy the "pskey" keystore with the DSA certificate to a directory under \$AgentHome, and set the pskey.properties file appropriately.

Discovery of Process Monitor target should be successful.

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