

HP OpenView Operations Smart Plug-in for PeopleSoft

Administrator's Reference

Version: B.02.20

MS Windows®

**This PDF file contains the same information found in the online help. Some
interactive pages are not included.**



Manufacturing Part Number: None

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Support

Please visit the HP OpenView web site at:

<http://openview.hp.com/>

This web site provides contact information and details about the products, services, and support that HP OpenView offers. You can also go directly to the support web site at:

<http://support.openview.hp.com/>

HP OpenView online software support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valuable support customer, you can benefit by using the support site to:

- Search for knowledge documents of interest
- Submit and track progress on support cases
- Manage a support contract
- Look up HP support contacts
- Review information about available services
- Enter discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and log in. To find more information about access levels, go to the following URL:

http://support.openview.hp.com/access_level.jsp

To register for an HP Passport ID, go to the following URL:

<https://passport.hp.com/hpp2/newuser.do>

1 Smart Plug-in for PeopleSoft

This section describes what the online Help for the PeopleSoft SPI.

In this Section

The HP OpenView Smart Plug-In for PeopleSoft on-line Help provides all the information you need to install and use the PeopleSoft SPI to manage and monitor your PeopleSoft environment from a central location. In the on-line Help, you will find information about the following topics:

- [“Introducing the PeopleSoft SPI”](#)

This section describes the HP OpenView Smart Plug-In for PeopleSoft (PeopleSoft SPI) and explains how the various components fit together and work.

- [“Installing and Configuring the PeopleSoft SPI”](#)

This section describes how to install and configure the HP OpenView Smart Plug-In for PeopleSoft.

- [“Using the PeopleSoft SPI”](#)

This section describes what you get with the HP OpenView Smart Plug-In for PeopleSoft and how to start using it.

- [“Using Service Views”](#)

This section describes how to take advantage of the service model of the PeopleSoft environment built by the HP OpenView Smart Plug-In for PeopleSoft.

- [“Troubleshooting the PeopleSoft SPI”](#)

This section describes how to go about troubleshooting the HP OpenView Smart Plug-In for PeopleSoft.

- [“PeopleSoft SPI File Names”](#)

This section describes which files are installed by the HP OpenView Smart Plug-In for PeopleSoft and where exactly they are located after the installation and configuration of the product has been completed successfully.

- [“PeopleSoft SPI Components”](#)

This section describes which components are installed by the HP OpenView Smart Plug-In for PeopleSoft and provides detailed reference material, which aims to help you understand how the various components work and interact with each other.

- **“PeopleSoft SPI Commands”**

In this section you can find information relating to the functions used by the HP OpenView Smart Plug-In for PeopleSoft in tool calls. You can use these functions to create customized OVO tools.

2 **Introducing the PeopleSoft SPI**

This section describes the HP OpenView Smart Plug-In for PeopleSoft (PeopleSoft SPI) and explains how the various components fit together and work.

In this Section

This section describes the HP OpenView Smart Plug-In for PeopleSoft (PeopleSoft SPI) and explains how the various components fit together and work. In this section you will find information concerning:

- “What is PeopleSoft?”
- “What Is the PeopleSoft SPI?”
- “What does the PeopleSoft SPI Do?”
- “How does the PeopleSoft SPI Work?”

What is PeopleSoft?

PeopleSoft is a leading application software suite in the ERP (Enterprise Resource Planning) area and primarily known for its human resource components.

PeopleSoft is a distributed software application. Two types of configuration are common:

- 2-tier
- 3-tier

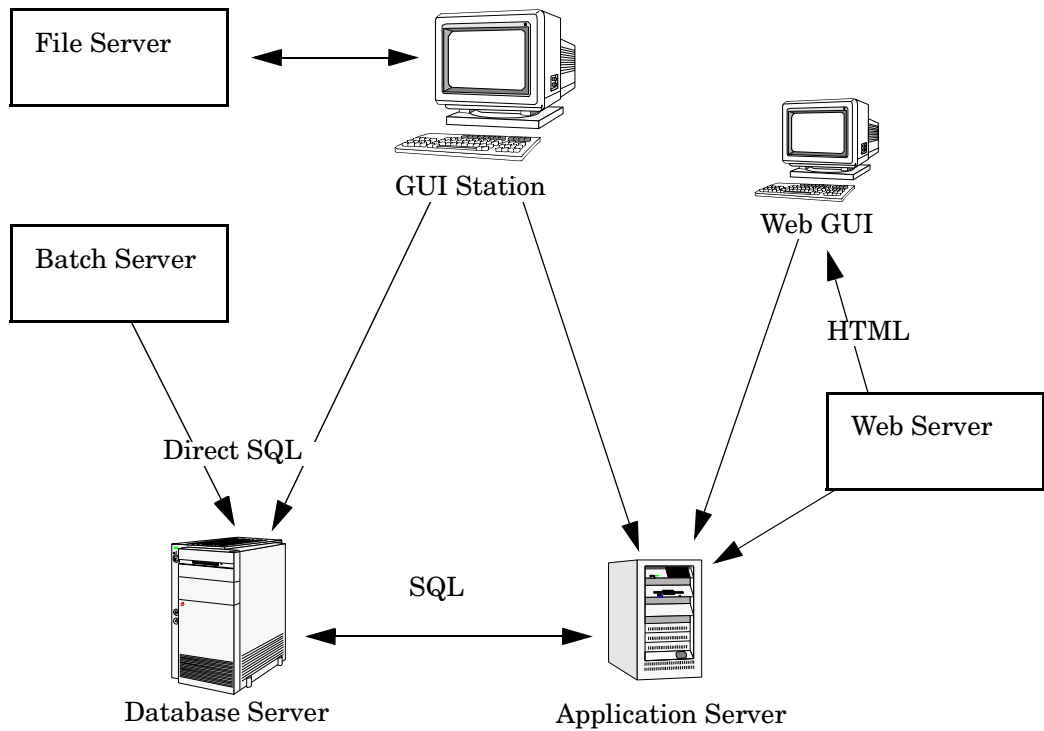
A basic 2-tier installation consists of a GUI station and a database server, where the database server can also run background batch processes. This configuration allows direct access to the database.

For larger environments or environments handling a large number of transactions, PeopleSoft supports a 3-tier configuration which includes an intermediate application-server layer. This improves performance and scalability by distributing the processing and caching data. Servers can (but do not have to) reside on separate machines. [Figure 2-1 on page 18](#) illustrates a typical 3-tier PeopleSoft environment.

Additional servers may be found in a PeopleSoft environment and provide dedicated services:

- File server
provides PeopleSoft GUI software for the client systems
- Batch server
hosts the execution of batch jobs
- Web Server
provides access to web client software based on Java/HTML

Figure 2-1 **Typical 3-Tier PeopleSoft Environment**



What Is the PeopleSoft SPI?

HP OpenView Smart Plug-ins are fully integrated solutions which "plug into" HP OpenView solutions and extend the managed domain to industry leading business, Internet, middleware, database and management applications. An extension of the HP OpenView platform, Smart Plug-Ins are tightly integrated modules which leverage the familiarity, security, and scalability of HP OpenView solutions, while eliminating redundant infrastructure and processes.

The HP OpenView Smart Plug-In for PeopleSoft in particular, provides IT organizations with a pre-configured management solution for PeopleSoft environments based on OpenView Operations, the industry-leading enterprise-availability and automation solution. With OpenView Operations and the PeopleSoft SPI, you can centrally manage and administer the many different layers that impact the performance and availability of the PeopleSoft environment: the network, systems, Tuxedo, databases and the PeopleSoft application itself.

The PeopleSoft SPI is mainly intended for enterprise customers with a need for a PeopleSoft management solution: it allows the customer to manage distributed PeopleSoft environments. A PeopleSoft environment may consist of one or more PeopleSoft servers (e.g. application server, batch server), which can (but do not have to) reside on different systems.

Furthermore, there are a number of different client systems. PeopleSoft client and server components are supported on specific platforms. For more informations see [“Supported Platforms and Versions” on page 28](#). The PeopleSoft SPI itself can be installed in a distributed management environment consisting of one or more OVO servers, one or more OpenView Operations agents, and HP OpenView Performance Manager consoles.

Although each of these OpenView components is supported on a number of different platforms, the PeopleSoft SPI is only guaranteed to work correctly in specific, supported environments. The PeopleSoft SPI comprises several components some of which are directly assigned to specific PeopleSoft components.

What does the PeopleSoft SPI Do?

The PeopleSoft SPI is a product that complies with HP OpenView standards and provides availability and performance monitoring of a typical PeopleSoft environment. As with all SPIs, the idea is to provide a pre-configured integration that works out-of-the-box in most situations but, if necessary, is also easily adaptable to your specific environment.

The PeopleSoft SPI provides complete integration with the standard OVO monitoring facility (policies) and the OVO GUI (tools, nodes, services, etc.). Each integration capability is independent in order to guarantee that those people who do not have all of these OV products are still able to install and use the SPI - always assuming that OVO is already present. Note that integrations with OpenView Performance Manager is optional.

The HP OpenView Smart Plug-In for PeopleSoft delivers monitoring and management capabilities specifically targeted at common PeopleSoft management issues. For example:

- monitoring batch job status and detecting failed or delayed jobs and malfunctioning components (such as the process scheduler) allows faster problem resolution.
- dynamic log file monitoring so that important event data registered by the various distributed error logs from PeopleSoft, Tuxedo, and log files are available if and when needed. Consolidating and filtering this data into a centralized event system leads to more rapid identification of the root cause of problems.
- pre-configured actions, such as starting the PeopleSoft application, are provided for specific events and implemented automatically in order to ensure the most rapid recovery from any crash or failure
- pre-defined reports providing information about user or batch job activity so that operators can quickly analyze and prevent performance bottlenecks.
- status information on all components of the PeopleSoft environment is constantly provided. The SMART Plug-In monitors the PeopleSoft application, any subsystems such as Tuxedo, and the DBMS and server processes. Monitoring is effected via scripts or programs that are executed at defined intervals: policies interpret the collected metrics for rapid problem resolution.

In addition, and assuming the appropriate OpenView products are already installed and configured, data may also be fed to the OpenView Performance Agent to allow a graphical presentation and reporting. Further integration with the Service Navigator allows a graphical representation of the PeopleSoft components and their dependencies. Note that those components of the PeopleSoft environment not specifically covered by the HP OpenView Smart Plug-In for PeopleSoft (file server) can nonetheless be monitored with standard OpenView Operations features.

How does the PeopleSoft SPI Work?

The PeopleSoft SPI monitors the database server, the application server, and the batch server in the PeopleSoft environment and provides information through messages, graphs, and reports that show the current state of the environment. The SPI provides the following features and functionality:

- monitor:
 - PeopleSoft and Tuxedo log files (including the handling of dynamic log file names)
 - the high-level status of Tuxedo
 - the high-level status of the DBMS
 - critical OS resources (IPC, disk space)
 - processes (e.g. PeopleSoft process scheduler)
 - batch job status
 - business metrics that are relevant to the management of PeopleSoft
 - the key resources of the PeopleSoft DB
 - the load on the PeopleSoft application server
- integrate:
 - the Service Model specifically for a PeopleSoft environment
 - standard PeopleSoft administration tools
- provide:
 - applications to execute PeopleSoft-related operating tasks (start/stop Tuxedo domains, PS process scheduler, etc.)
 - applications to generate status or configuration reports

3 Installing and Configuring the PeopleSoft SPI

This section describes how to install and configure the HP OpenView Smart Plug-In for PeopleSoft.

In this Section

This section describes how to install and configure the HP OpenView Smart Plug-In for PeopleSoft. In this section you will find information concerning:

- “System Pre-Requisites”
- “Supported Platforms and Versions”
- “Installing the PeopleSoft SPI on the Management Server”
- “Using optional Smart Plug-ins”
- “Configuring the PeopleSoft SPI to Manage PeopleSoft Systems”
- “De-installing the PeopleSoft SPI”

System Pre-Requisites

The OpenView Operations (OVO) management server must be installed and configured on the machine on which you want to install and use the PeopleSoft SPI. In this section, you can find information about the following topics:

- [“Hardware Requirements” on page 25](#)
- [“Software Requirements” on page 26](#)

For more information on which versions of OpenView Operations are supported, see [“Supported Versions: OVO Server” on page 29](#). In addition, the OVO agent must be running on the OVO management server. Note also that the `opcmsg` policy must be assigned and distributed to the OVO management server in order to ensure that messages appear in the OVO GUI on the management server. Otherwise, the messages will simply be logged in a log-file.

For more information on platform and version support, see [“Supported Platforms and Versions” on page 28](#).

Hardware Requirements

[Table 3-1 on page 25](#) lists the hardware requirements for the machines on which you intend to install the PeopleSoft SPI.

Table 3-1

PeopleSoft SPI Hardware Requirements

	Additional Disk Space	Additional RAM
OVO Server	20MB	n/a
OVO Agent Windows 2000	10MB	n/a
OVO Agent Windows 2003	10MB	n/a
OVO Agent Unix	10MB	n/a

NOTE

Additional space is required for run-time data such as trace and error logs. The amount required depends on the configuration of the PeopleSoft SPI.

Trace and error logs are stored in the OVO agent installation directory on Windows and in the `/var/opt/OV/psspi` directory on Unix systems.

Software Requirements

No changes of operating system kernel parameters are required for the HP OpenView Smart Plug-In for PeopleSoft on the OVO management server and on the OVO managed nodes.

The following software products are either required or recommended for the PeopleSoft SPI.

Table 3-2 PeopleSoft SPI Software Requirements

Product	Status	Remarks
Smart Plug-in for Oracle or MS SQL Server	Required ^a	Needed for database access and database related metrics of the PeopleSoft SPI
Smart Plug-in for BEA Tuxedo	Recommended ^b	Used for detailed Tuxedo monitoring (not available on all platforms)
Smart Plug-in for BEA WebLogic Server	Recommended ^c	Used for detailed WebLogic monitoring (not available on all platforms)
Smart Plug-ins DSI-to-DDF wrapper utilities	Required ^d	Needed for collecting performance data with OVPA or OV Performance subagent

a. Version 6.0 or higher is required.

- b. The current version A.02.00 of the BEA SPI for Tuxedo is not able to manage the Tuxedo layer bundled with the PeopleSoft software.
- c. Version A.02.06 recommended. But see the installation tips for the Smart Plug-in for BEA WebLogic Server in this SPI's documentation.
- d. This product is selected automatically during the installation process.

Supported Platforms and Versions

The following sections indicate which platforms and which product versions are supported by the HP OpenView Smart Plug-In for PeopleSoft and its various components. The information in this section includes the following topics:

- [“Supported Versions: PeopleSoft” on page 28](#)
- [“Supported Versions: OVO Server” on page 29](#)
- [“Supported Platforms: Batch-Server Components” on page 29](#)
- [“Supported Platforms: Database-Server Components” on page 30](#)
- [“Supported Platforms: Application-Server Components” on page 31](#)
- [“Supported Platforms: Web-Server Components” on page 32](#)

NOTE

If a PeopleSoft server system fulfills multiple roles, for example; database server and batch server at the same time, then the corresponding PeopleSoft SPI components may be used in parallel providing the system fulfills the specifications listed for both components. See the appropriate sections below for more detail.

Supported Versions: PeopleSoft

The PeopleSoft SPI is designed to run on all versions of PeopleSoft based on PeopleTools 7 and 8, running with Tuxedo 6.5 and 8.1, which comes bundled with PeopleTools. These are the PeopleTools releases 7.05, 7.5*, 8.1*, 8.40 - 8.44.

The PeopleSoft SPI assumes the following combinations - which are the default for a PeopleSoft installation:

- Tuxedo 6.5 with PeopleTools 7.05 up to 8.43
- Tuxedo 8.1 with PeopleTools 8.44

Supported Versions: OVO Server

The PeopleSoft SPI runs on the following software versions of the OVO management server:

- OVO B.07.50

The PeopleSoft SPI also contains components that allow integration with OpenView Performance Manager. If this product is *not* installed, the PeopleSoft SPI will nonetheless work with the other installed components, but the features related to the missing OpenView products are not available.

Supported Platforms: Batch-Server Components

The batch-server components of the PeopleSoft SPI are supported for the following platforms and software versions:

Table 3-3

Supported Platforms for the Batch-Server Components

Platform	OS Version	OVO Agent	OVPA Agent (MeasureWare)
Intel x86	Windows 2000 Windows 2003	7.21/7.5	C.02.00 and higher
	Linux 2.4 ^a	7.21/7.5	C.02.00 and higher
HP PA-RISC	HP-UX 11.00 HP-UX 11.11	7.21/7.5	C.02.00 and higher
Sun SPARC	Solaris 7/8/9	7.21/7.5	C.02.00 and higher
IBM RS6000	AIX 4.3/5.1/5.2	7.21/7.5	C.02.00 and higher

a. The tools `compress` and `uncompress` are needed. Install package `ncompress`, if they are not available by default.

No other platforms are supported with the PeopleSoft SPI B.02.20.

Note that not every combination may be possible due to restrictions of PeopleTools or OVOW or requirements by other SPIs.

Note that the OVO embedded performance component (OV Performance subagent) is supported in addition to OVPA.

Supported Platforms: Database-Server Components

The database-server components of the PeopleSoft SPI are supported for the following platforms and software versions:

Table 3-4 **Supported Platforms for the Database-Server Components**

Platform	OS Version	OVO Agent	DBMS Version
Intel x86	Windows 2000 Windows 2003	7.21/7.5	Oracle 8i/9i MSSQL 7.x/2000 DB2 7.2/8.1
	Linux 2.4 ^a	7.21/7.5	Oracle 8i/9i DB2 7.2/8.1
HP PA-RISC	HP-UX 11.00 HP-UX 11.11	7.21/7.5	Oracle 8i/9i DB2 7.2/8.1
Sun SPARC	Solaris 7/8/9	7.21/7.5	Oracle 8i/9i DB2 7.2/8.1
IBM RS6000	AIX 4.3/5.1/5.2	7.21/7.5	Oracle 8i/9i DB2 7.2/8.1

a. The tools `compress` and `uncompress` are needed (Install package `nccompress`, if they are not available by default).

No other platforms are supported with the PeopleSoft SPI B.02.20.

Note that the supported databases on the agent platforms depend on the installed PeopleTools versions and the databases supported by them.

Note that not every combination may be possible due to restrictions of PeopleTools or OVO or the Smart Plugin for Oracle.

Note that the supported databases on the agent platforms depend on the version supported by the DB-SPI (SPI for Oracle, SPI for MS SQL Server) and the DB2SPI (SPI for DB2).

For all platforms, OpenView Performance Agent C.02.00 (and above) and the OVO embedded component (OV Performance subagent) is supported.

Supported Platforms: Application-Server Components

The application-server components of the PeopleSoft SPI are supported for the following platforms and software versions:

Table 3-5

Supported Platforms for the Application-Server Components

Platform	OS Version	OVO Agent	OVPA Agent (MeasureWare)
Intel x86	Windows 2000 Windows 2003	7.21/7.5	C.02.00 and higher
	Linux 2.4 ^a	7.21/7.5	C.02.00 and higher
HP PA-RISC	HP-UX 11.00 HP-UX 11.11	7.21/7.5	C.02.00 and higher
Sun SPARC	Solaris 7/8/9	7.21/7.5	C.02.00 and higher
IBM RS6000	AIX 4.3/5.1/5.2	7.21/7.5	C.02.00 and higher

a. The tools `compress` and `uncompress` are needed. Install package `ncompress`, if they are not available by default.

No other platforms are supported with the PeopleSoft SPI B.02.20.

Note that not every combination may be possible due to restrictions of PeopleTools or OVO or the Smart Plugin for BEA WebLogic.

For all platforms, OpenView Performance Agent C.02.00 (and above) and the OVO embedded component (OV Performance subagent) is supported.

Supported Platforms: Web-Server Components

The web-server components of the PeopleSoft SPI are supported for the following platforms and software versions:

Table 3-6 **Supported Platforms for the Web-Server Components**

Platform	OS Version	OVO Agent	Web Server
Intel x86	Windows 2000 Windows 2003	7.21/7.5	Apache Webserver ^a (as bundled with PeopleSoft) BEA WebLogic ^b (as bundled with PeopleSoft)
	Linux 2.4 ^c	7.21/7.5	Apache Webserver ^a (as bundled with PeopleSoft) BEA WebLogic ^b (as bundled with PeopleSoft)
HP PA-RISC	HP-UX 11.00 HP-UX 11.11	7.21/7.5	Apache Webserver ^a (as bundled with PeopleSoft) BEA WebLogic ^b (as bundled with PeopleSoft)
Sun SPARC	Solaris 7/8/9	7.21/7.5	Apache Webserver ^a (as bundled with PeopleSoft) BEA WebLogic ^b (as bundled with PeopleSoft)

Table 3-6 Supported Platforms for the Web-Server Components

Platform	OS Version	OVO Agent	Web Server
IBM RS6000	AIX 4.3/5.1/5.2	7.21/7.5	Apache Webserver ^a (as bundled with PeopleSoft) BEA WebLogic ^b (as bundled with PeopleSoft)

- a. Monitored via HP OpenView Smart Plug-in for PeopleSoft
- b. Monitored via HP OpenView Smart Plug-in for BEA WebLogic Server
- c. The tools `compress` and `uncompress` are needed. Install package `ncompress`, if they are not available by default.

No other platforms are supported with the PeopleSoft SPI B.02.20.

Note that not every combination may be possible due to restrictions of PeopleTools or OVO or the Smart Plugin for BEA WebLogic.

For all platforms, OpenView Performance Agent C.02.00 (and above) and the OVO embedded component (OV Performance subagent) is supported.

Installing the PeopleSoft SPI on the Management Server

There are a number of simple steps which you need to carry out in order to install the HP OpenView Smart Plug-In for PeopleSoft software. In general terms, the process requires:

- [“Preparing the OVO Management Server” on page 34](#)
- [“Installing the PeopleSoft SPI” on page 34](#)
- [“Using optional Smart Plug-ins” on page 37](#)
- [“Verifying the Software Installation” on page 35](#)

Preparing the OVO Management Server

The HP OpenView Smart Plug-In for PeopleSoft is available on the HP OpenView Operations for Windows SPI CD-ROM.

The available SPIs are split over two CDs in the CD-ROM set. For the HP OpenView Smart Plug-In for PeopleSoft, use the second CD. Note that if you are installing other HP OpenView SPI's, it may be necessary to use the first CD, too.

Prepare the OVO management server environment as follows:

1. Login as a user with administrative rights to install software.
2. Insert the product CD in the CD-ROM drive.
3. Follow the directions of the setup program which is started automatically and select the PeopleSoft SPI for installation.
4. If you intend to install one of the SPI for Oracle/MS SQL Server, SPI for BEA WebLogic Server or SPI for BEA Tuxedo, DB2SPI, then please consult the installation guide of this SPI for further pre-installation requirements.

Installing the PeopleSoft SPI

1. Install the required software bundles

- The appropriate SPI's for Database
(if not already installed)
 - SPI for PeopleSoft
2. Install the recommended software bundles
 - BEASPI
(if needed and supported and not already installed)
 - SPIWebLogicAll
(if needed and supported and not already installed)
 3. Install OV Reporter integrations

If you have installed one or more of the SPI for Database, SPI for BEA WebLogic Server, SPI for BEA Tuxedo, you may install the OV Reporter integrations provided by these SPI's.

See the installation guide of the SPI for details on how to install these integrations.

NOTE

The OpenView Operations console should be closed during the installation process.

Verifying the Software Installation

You can verify that the software has installed successfully by carrying out the following simple steps:

1. Check for any install errors and then make sure that the following new elements are present in the OVO GUI after the installation of the HP OpenView Smart Plug-In for PeopleSoft product has completed

New node groups :

- PS All Servers
- PS App Server
- PS Batch Server
- PS Web Server
- PS DB2 Server

- PS ORA Server
- PS Win All Servers
- PS Win App Server
- PS Win Batch Server
- PS Win Web Server
- PS Win DB2 Server
- PS Win ORA Server
- PS Win MSS Server

NOTE

The node groups PS Web Server / PS Win Web Server are meant for the web servers which are bundled with PeopleTools 8.1, e.g. Apache. They are not meant as a container for the BEA WebLogic or the IBM WebSphere server systems.

New tool groups:

- PSSPI Unix / PSoft-Admin-Unix
- PSSPI Unix / PSoft-Oper-Unix
- PSSPI Unix / PSoft-Reports-Unix
- PSSPI Unix / PSoft-Reports-Unix / Oracle DB
- PSSPI Unix / PSSPI-Admin-Unix
- PSSPI Win / PSoft-Admin-Win
- PSSPI Win / PSoft-Oper-Win
- PSSPI Win / PSoft-Reports-Win
- PSSPI Win / PSoft-Reports-Win / Oracle DB
- PSSPI Win / PSoft-Reports-Win / MSS DB
- PSSPI Win / PSSPI-Admin-Win

New policy groups :

- SPI for PeopleSoft
- PSSPI-All_Server

- PSSPI-App_server
- PSSPI-Batch_Server
- PSSPI-DB2DB_server
- PSSPI-OraDB_server
- PSSPI-Web_server
- PSSPI-Win_All_Server
- PSSPI-Win_App_Server
- PSSPI-Win_Batch_Server
- PSSPI-Win_DB2DB_Server
- PSSPI-Win_OraDB_Server
- PSSPI-Win_MSSDB_Server

New user roles:

- PSoft-Admin
 - PSoft-Oper
2. If the new PeopleSoft SPI elements are not visible in the OVO GUI, try stopping and restarting the OVO GUI.
 3. If you installed one of the SPI for Database, SPI for BEA WebLogic Server or SPI for BEA Tuxedo, then please consult the installation guide of this SPI for further verification checks.

For more information on the various new elements see the appropriate sections in Chapter 4, Using the PeopleSoft SPI, or Appendix B, PeopleSoft SPI Components,. For information on more serious problems, see Chapter 5, “Using Service Views,” on page 97.

Using optional Smart Plug-ins

This section contains some notes for the usage of optional Smart Plug-ins together with the PeopleSoft SPI.

- If the BEA Weblogic Server 6.1.2 is installed and should be monitored with the Weblogic SPI A.02.04, then the following configuration line has been shown to be necessary in the Weblogic SPI configuration file: `SERVER<N>_VERSION = 6.1 2`

This line will not be necessary with Weblogic SPI versions above A.02.04.

HP OpenView Smart Plug-in for BEA Weblogic Server

- HP OpenView Smart Plug-in for BEA Tuxedo

Version B.02.55 of the Tuxedo SPI does not support Tuxedo 6.5/8.1 bundled with the PeopleSoft software. This issue will be addressed with a future version of the Tuxedo SPI.

Configuring the PeopleSoft SPI to Manage PeopleSoft Systems

Since several parts of a PeopleSoft installation such as the database name, directory locations, or user IDs vary from one environment to another, it is not possible to pre-configure the complete PeopleSoft SPI integration to work out-of-the-box in your environment. Consequently, assuming you have not already done so as part of the standard OVO installation, you will need to perform the following high-level steps to adapt the PeopleSoft SPI to the specific requirements of your environment:

- “Setting up PeopleSoft Systems as OVO Nodes”
- “Distributing the OVO Agent to the PeopleSoft Systems”
- “Assigning Nodes to special Node Group”
- “Distributing PeopleSoft SPI instrumentation”
- “Configuring the PeopleSoft SPI to Monitor the Database”
- “Discovering PeopleSoft Components on the Managed Nodes”
- “Activating the Configuration on the PeopleSoft Nodes”
- “Assigning Nodes to Node Groups”
- “Distributing PeopleSoft SPI Policies”

Setting up PeopleSoft Systems as OVO Nodes

If not already present, add those PeopleSoft systems in your environment as OVO Managed Nodes, which you want to monitor with the HP OpenView Smart Plug-In for PeopleSoft. To add a system, consult the appropriate OVO on-line help if necessary

Distributing the OVO Agent to the PeopleSoft Systems

Check that the correct version of the OVO agent software is installed and running on the PeopleSoft node you want to set up and monitor with the PeopleSoft SPI. If no OVO agent is present, install the OVO agent

software on the PeopleSoft systems by using the standard OVO agent distribution method. For details, please consult the OVO on-line help system.

Assigning Nodes to special Node Group

All PeopleSoft systems running the Windows operating system which are to be monitored by the PeopleSoft SPI must be made a member of the node group `PS Win All Servers`, which is introduced by the SPI. This assures that all Windows PeopleSoft servers receive the set of policies which are common to all Windows PeopleSoft managed nodes.

All PeopleSoft systems running a Unix operating system which are to be monitored by the PeopleSoft SPI must be made a member of the node group `PS All Servers`, which is introduced by the SPI. This assures that all Unix PeopleSoft servers receive the set of policies which are common to all Unix PeopleSoft managed nodes.

Since the appropriate PeopleSoft policies and policy groups are assigned by default to the respective PeopleSoft node groups, dragging and dropping the PeopleSoft nodes to the PeopleSoft node groups automatically assigns the correct templates in turn to the PeopleSoft nodes. Since the PeopleSoft SPI policies are configured as *auto deploy* policies, there is no need to deploy manually.

NOTE

Note that the OVO Management Server has to be assigned to the special node group `PS Win All Servers`, too.

Distributing PeopleSoft SPI instrumentation

To distribute the PeopleSoft SPI instrumentation to the PeopleSoft systems which you want the PeopleSoft SPI to monitor, follow the OVO instructions to deploy an instrumentation and select the following instrumentation packages:

- SPI for PeopleSoft
- SPI Data Collector
- Microsoft Windows (only for Windows managed nodes)

This package has to be deployed to all nodes assigned to the SPI node group PS All Server and PS Win All Server (you assigned all PeopleSoft servers which are to be monitored to these node groups in the last step).

Configuring the PeopleSoft SPI to Monitor the Database

If you want the PeopleSoft SPI to monitor the PeopleSoft database and to be able to gather database related metrics, you have to configure the database monitoring component of the PeopleSoft SPI before the discovery step is executed. This process applies *only* to the PeopleSoft database servers and is the same as the process used by the OVO Smart Plug-in for Databases. For more information, see the product-specific documentation supplied with the HP OpenView Smart Plug-in for Databases.

NOTE

This configuration has to be performed using the tools which are installed via the Smart Plug-in for Databases.

If Oracle is used as the PeopleSoft database, then the following rules apply for the configuration of the SPI for Oracle:

- The name of the PeopleSoft databases are configured as TNS names in the `tnsnames.orafile`. You may check this using the Oracle tool `tnsping` with the PeopleSoft database as an argument. This applies to the database server, too. Note that this rule is required by the PeopleSoft Installation Guide.
- In the SPI for Oracle configuration, use the name of the PeopleSoft database as both the `DATABASE` and the `ALIAS` entry.

If MS SQL Server 2000 is used as the PeopleSoft database management system, then the following rules apply for the configuration of the SPI for MS SQL Server:

- Each PeopleSoft database name must appear as an ODBC datasource name. The name of the actual MSSQL database - which is configured in this ODBC datasource - must be identical to the PeopleSoft database name. Note that this is required by the PeopleSoft Installation Guide.

- In the SPI for MSSQL Server configuration, use the name of the PeopleSoft database server as the only target description. Since the PeopleSoft databases are installed in the *default instance* of the MSSQL Server, the SPI for MSSQL Server does not need any further information to connect to the database server.

Special installation notes for the SPI for Databases (DBSPI)

IMPORTANT

The next paragraph is important if you use the *Microsoft SQL Server* on the Peoplesoft database servers.

The current versions (6/7/8) of the *SPI for Microsoft SQL Server* have a problem if the MSSQL installation directory contains blank characters.

If this is the case, the DBSPI cannot correctly locate the path to the `isql.exe/osql.exe` programs which are used to evaluate the special PeopleSoft SPI database metrics.

To work around this problem on the PeopleSoft database servers, compute the 8.3 name of the MSSQL installation directory and replace the registry key `HKLM\Software\Microsoft\Microsoft SQL Server\80\Tools\ClientSetup\SQLPath` with the new value.

IMPORTANT

If you have to enable the trace mode of the *SPI for Microsoft SQL Server* on the Peoplesoft database servers. The current version (6/7/8) of the *SPI for Microsoft SQL Server* cannot trace metric 3792 of the PeopleSoft SPI. This is due to a limitation in the trace buffer of the DBSPI. There is no workaround besides to not trace metric 3792.

Discovering PeopleSoft Components on the Managed Nodes

The PeopleSoft components installed on the PeopleSoft servers are discovered by starting the SPI tool `PS Discovery` on all PeopleSoft nodes.

NOTE

In order to be able to perform this discovery step, the SPI instrumentation must have been deployed to the PeopleSoft nodes.

This section includes important information about the automatic discovery and configuration process, which the PeopleSoft SPI performs, for example:

- [“PeopleSoft Installation \(PS_HOME\)” on page 43](#)
- [“Oracle Installation \(ORACLE_HOME\)” on page 44](#)
- [“Tuxedo Installation \(TUXDIR\)” on page 44](#)
- [“PeopleSoft Application Servers” on page 44](#)
- [“Process Schedulers” on page 44](#)
- [“General Discovery Strategy and Prerequisites” on page 45](#)
- [“Performing the Discovery” on page 45](#)

PeopleSoft Installation (PS_HOME)

During the discovery phase, the SPI first tries to determine the directories of installed PeopleSoft components (the PeopleSoft Home directories; in short: PS_HOME). This is done in multiple steps:

1. User specified locations

If the user has specified some installation directories by supplying arguments to the tool `PS_Discovery`, take these as PS_HOME candidates.

2. Look in “often used places”

If there is no PS_HOME candidate, take the 1st and 2nd level directories of all fixed drives found on the system as candidates.

For each PS_HOME candidate, check whether a `peoplesoft.properties` exists.

If it does, take the candidate as the installation directory (PS_HOME).

Oracle Installation (ORACLE_HOME)

If the PeopleSoft installation uses Oracle as the database and once a valid PS_HOME has been found, the SPI tries to determine the value of the environment variable ORACLE_HOME for this installation.

This search for this variable is done in the following sequence:

- Environment variable ORACLE_HOME
- Windows registry entries for Oracle

If the Oracle installation cannot be found , then the missing information has to be entered manually into the discovery file.

Tuxedo Installation (TUXDIR)

Next, the SPI tries to determine the value for the enviroment variable TUXDIR.

The search is done in the following steps:

- Environment variable TUXDIR. Note that this variable must be configured as a system environment variable according to the Peoplesoft Installation Guide.

PeopleSoft Application Servers

Next, the SPI tries to determine the values for all Application Servers of the current PeopleSoft installation.

All directories

- <PS_HOME>/appserv/<Domain>

are searched for a file psappsrv.cfg.

If this directory and file are found, the SPI extracts the variables from the Application Server configuration file:

- DBName
- DBType

Please note that these variables must start in column 1.

Process Schedulers

Next, the SPI determines the values for all Process Schedulers of the current PeopleSoft installation.

All directories

- `<PS_HOME>/appserv/prcs/<DB>` for PS 7.5, PS8
- `<PS_HOME>/prcs/<DB>` for PS7

are searched for a file `psprcs.cfg`.

If this directory and file are found, the SPI extracts the variables

- `DBType`
- `PrcsServerName`

from the Process Scheduler configuration file.

Please note that these variables must start in column 1.

General Discovery Strategy and Prerequisites

The information found during this discovery phase is written to the `psspi.disc` file on the OVO agent.

You may use a text editor on the managed node to edit this file if not all PeopleSoft components could be discovered automatically. After editing and verifying the changes using the `PSSPI-Admin-Win/Unix:Verify PS Cfg` application, the `PSSPI-Admin-Win/Unix:PS Activate` application must be used to activate the edited file. Please note that the discovery file is copied back automatically to the OVO management server only after the activation step.

Please note that before you may use any of the PSSPI tools, you will have to distribute the SPI instrumentation to the managed node.

NOTE

See the [“The psspi.disc Configuration File” on page 121](#) for detailed information regarding the file syntax.

Performing the Discovery

Once all the PeopleSoft systems have been added to the Node Bank Window and you have ensured the OVO agent is running on the PeopleSoft systems, you can proceed with the automatic discovery of the PeopleSoft systems by performing the steps described in this section. Note, however, that although the discovery process works even if the

database and/or Tuxedo application servers are down when you execute the PS Discovery application, the discovery file contains the value “UNKNOWN” for the database owner. To fix this, you can either:

1. add the database owner to the discovery file manually, or
2. ensure the databases which are referenced by any PeopleSoft databases are running when you execute the PS Discovery application

NOTE

Although, the discovery mechanism and the configuration-file syntax within the PeopleSoft SPI both support the existence of multiple PeopleSoft installations on one system (i.e. multiple *PS_HOME* directories or users), the normal discovery mechanism will not always be able to find them automatically.

To start the discovery process:

1. Start the PS Discovery tool in the tool group, PS SPI Admin and select the node group PS All Server. The PS Discovery tool executes a script on the OVO managed nodes.

The discovery program checks the node-specific PeopleSoft configuration, generates information concerning the installed PeopleSoft components, and then writes the findings to the file

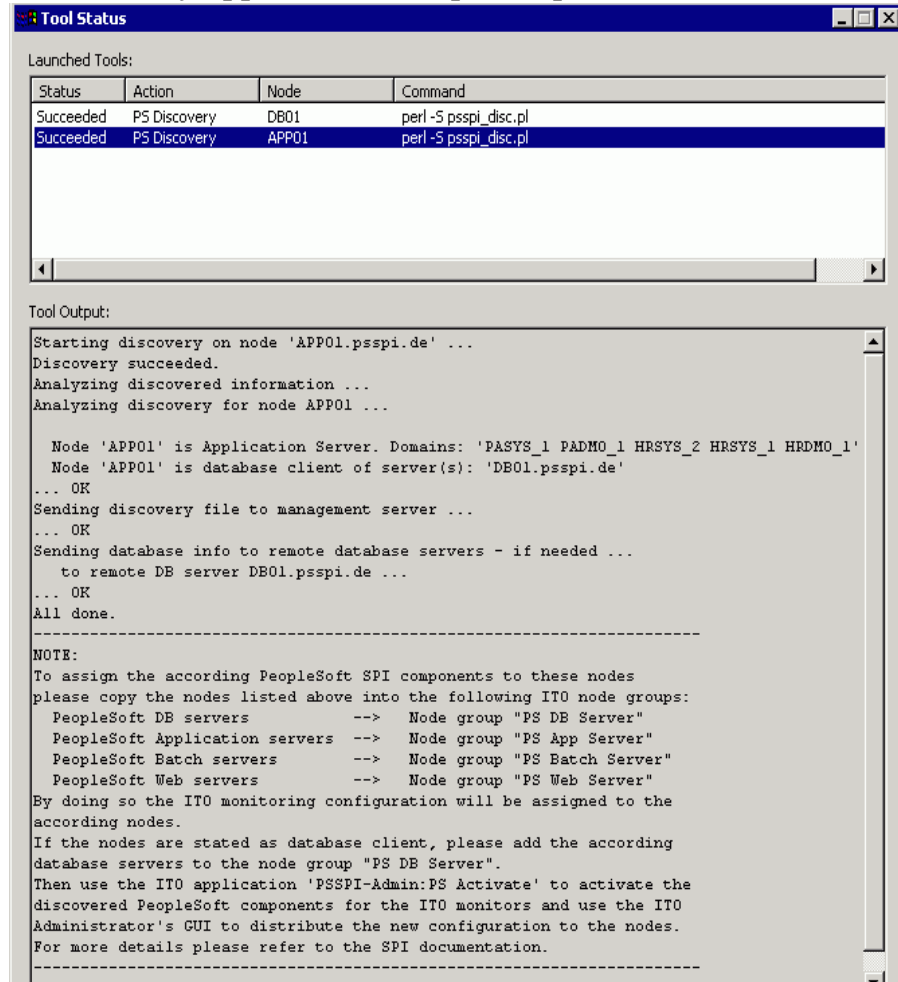
<OVOAgentInstallDir>/psspi/conf/psspi.disc on the managed

node. This file is subsequently transferred back to the OVO management server, where it is stored in

<OVOServerInstallDir>/psspi/disc/<node_name>, and the contents displayed along with instructions for the user.

Figure 3-1

PS Discovery Application Example Output



Activating the Configuration on the PeopleSoft Nodes

Verify that the discovered information is correct and, if so, activate the configuration for the discovered components using the PS Activate application. In the example illustrated in [Figure 3-1](#), one machine, called siamon, is database, batch, and application server. The PS Activate application activates the information discovered by the PS Discovery application and stored in the file psspi.disc on the PeopleSoft system

by copying it to <OVOAgentInstallDir>/psspi/conf/ps.cfg and making it available to the SPI instrumentation scripts. Note that this application may take some time to complete.

Assigning Nodes to Node Groups

Follow the instructions generated by the PS Discovery application and use the information displayed to put the PeopleSoft nodes into the node groups suggested. For example, Windows PeopleSoft batch servers go into the PS Win Batch Server node group. [Figure 3-1 on page 47](#) gives a sample of the PS Discovery application output.

Since the appropriate PeopleSoft policies and policy groups are assigned by default to the respective PeopleSoft node groups, dragging and dropping the PeopleSoft nodes to the PeopleSoft node groups recommended by the PS Discovery application automatically assigns the correct policies in turn to the PeopleSoft nodes you are add in this step. However, you still have to *deploy* the policies to the PeopleSoft nodes. For more information, see [“Distributing PeopleSoft SPI Policies” on page 48](#).

NOTE

Webservers other than the server bundled with PeopleTools 8.1 (e.g. Apache), should not be assigned to the PeopleSoft SPI PS Web Server/PS Win Web Server node group. Those webserver systems should be assigned to the node groups which are installed via the Smart Plug-in monitoring this webserver (e.g. Smart Plug-in for BEA WebLogic server, Smart Plug-in for IBM WebSphere server).

Distributing PeopleSoft SPI Policies

The PeopleSoft SPI policies are organized into specific policy groups according to platform (Windows, Unix) and system role: PeopleSoft database, application, web or batch-server systems. Dragging and dropping the PeopleSoft nodes to the PeopleSoft node groups recommended by the PS Discovery tool automatically assigns the appropriate PeopleSoft SPI policies: the PeopleSoft policy groups and, by implication, their contents, are assigned by default to the PeopleSoft node groups.

Since the PeopleSoft policy groups are configured as *auto deploy*, there is no need to manually deploy the policies.

Note that deploying the policies to the PeopleSoft managed nodes automatically activates the PeopleSoft SPI monitoring on those nodes.

NOTE

Messages intercepted by the `PSSPI-DBSPI-Messages` policy supplied with the PeopleSoft SPI duplicate messages intercepted by the DBSPI. If the DBSPI is already installed (and the DBSPI policies already assigned and deployed) and you want to avoid duplicate messages arriving from the database server, you should disable the `PSSPI-DBSPI-Messages` policy using the standard OVO tools.

De-installing the PeopleSoft SPI

The HP OpenView Smart Plug-In for PeopleSoft can be de-installed by carrying out the following high-level steps:

1. “De-installing from Managed PeopleSoft Systems”

Remove the PeopleSoft SPI components from the PeopleSoft systems (OVO managed nodes) and clean the system.

2. “De-installing from the OVO Management Server”

Remove the PeopleSoft SPI software from the OVO management server.

NOTE

The OVO GUI integration has to be removed manually (OVO does not support automatic removal from the command line) and the deployed components have to be removed from the OVO managed nodes.

De-installing from Managed PeopleSoft Systems

To remove the HP OpenView Smart Plug-In for PeopleSoft components from the OVO managed nodes:

1. De-assign the PeopleSoft SPI policies from the PeopleSoft systems:
 - a. Remove the appropriate PeopleSoft systems from the appropriate PeopleSoft SPI node groups.
 - Open the Node Configuration Editor
 - Select the PeopleSoft system in the right pane in the PeopleSoft SPI node group and click the right mouse button.
 - Select `Delete` as the action and confirm to remove the reference to this node.
 - Do this for all PeopleSoft systems from which the PSSPI should be removed.
 - b. Remove the policies from the selected PeopleSoft systems.
 - Select the PeopleSoft system in the OVO Console tree.

- Click the right mouse button and select View / Policy Inventory.
 - In the right pane, all policies which are stored on the node are shown. Select all PeopleSoft SPI policies (PSSPI-*). You may sort the list by clicking on the column header.
 - Click the right mouse button and select All Tasks / Remove from node.
 - Do this for all PeopleSoft systems from which the PSSPI should be removed.
2. Execute the tool PSSPI Cleanup (in the PSSPI-Admin-Win/Unix tool group) on the managed node where you want to de-install the PeopleSoft SPI. The PSSPI Cleanup tool removes the local SPI components from the selected managed nodes.
- The de-installation script `psspi_clean` can also be called manually (with the `-n(ode)` option) on the OVO managed node.
3. Cleanup the SPI for Database components, if appropriate, using the DBSPI Cleanup.

NOTE

This step should be performed only if the DBSPI is *not* required.

De-installing from the OVO Management Server

To remove the HP OpenView Smart Plug-In for PeopleSoft components from the OVO management server and complete the general clean up process:

1. Remove the PeopleSoft SPI software from the OVO management server.
 - Start the standard Windows tool Add/Remove Programs from the control panel.
 - Select the “hp openview operations performance for windows” entry and press the Change button.
 - Follow the instructions until the “Program Maintenance” window appears.
 - Select the “Remove products” option and press the Next button.

De-installing the PeopleSoft SPI

- Mark the “PeopleSoft” entry and press the Next button. Follow the instructions to remove this program from the OVO management server.
- 2. Deploy the instrumentation needed for other SPIs to *all* PeopleSoft managed nodes and mark the checkbox “Remove existing instrumentation ...”: this removes all PeopleSoft SPI components.
- 3. Cleanup the GUI by removing the PeopleSoft-specific elements, such as:
 - Node Groups
 - Open the Node Configuration Editor
 - Select the PeopleSoft node group in the right pane and click the right mouse button.
 - Select Delete and confirm to remove this node group.
 - Tools and Tool Groups
 - Open the Tool Configuration Editor
 - Select the SPI for PeopleSoft tool group and click the right mouse button.
 - Select Delete and confirm to remove this tool group.
 - Policy Groups
 - Open the Policy Management / Policy Groups tree in the left pane of the OVO console
 - Select the SPI for PeopleSoft policy group and click the right mouse button.
 - Select Delete and confirm to remove this policy group.
 - Policies
 - Open the Policy Management / Policies grouped by type tree in the left pane of the OVO console
 - Repeat the following two steps for each of the Logfile Entry, Measurement Threshold and Open Message Interface tree entries.
 - Select and right click all policy names beginning with PSSPI_

- Open the All Tasks menu, select Delete from server, and confirm to remove these policies.
- Services
 - Open the Service Configuration Editor and select the PeopleSoft service entry.
 - Press the Delete button and confirm to remove the PeopleSoft service hierarchy.
- User Roles
 - Open the User Roles Configuration Editor.
 - Select the PSoft-Admin and PSoft-Oper user roles.
 - Press the Delete button and confirm to remove these user roles.

4 Using the PeopleSoft SPI

This section describes what you get with the HP OpenView Smart Plug-In for PeopleSoft and how to start using it.

In this Section

This section describes what you get with the HP OpenView Smart Plug-In for PeopleSoft and how to start using it. In this section you will find an introduction as well as information concerning:

- [“The New OVO Managed Node Groups”](#)
- [“The New OVO Tool Groups”](#)
- [“The New OVO User Roles”](#)
- [“The New OVO Policies”](#)

Introduction

If you are already familiar with OpenView Operations, you will notice that the installation and configuration of the HP OpenView Smart Plug-In for PeopleSoft has added a number of new pre-configured components to the GUI, specifically to the Nodes section, as well as to the Policy Management , Tools, Services and User Roles section.

A set of new, pre-configured node groups allow you to organize your PeopleSoft systems within OVO according to their function; that is, Application Server, Batch Server, Web Server or Database Server. For more information on the new node groups and the new users, see [“The New OVO Managed Node Groups” on page 58](#) and [“The New OVO User Roles” on page 74](#).

The PeopleSoft SPI also provides a large number of tools that are conveniently organized into groups and specifically designed to help you take advantage of the powerful problem-solving capabilities of OVO to automate the control and management of problems arising in the PeopleSoft environment. For more information on which new applications are available in the HP OpenView Smart Plug-In for PeopleSoft, see [“The New OVO Tool Groups” on page 59](#).

However, perhaps the most important component of the HP OpenView Smart Plug-In for PeopleSoft are the new PeopleSoft-specific policies. These policies are aimed at helping you extract the most useful information as easily as possible and, as a result, allowing you to concentrate resources on the monitoring of those critical aspects of the PeopleSoft systems that are necessary to keep the systems up and running. For more information on which new templates are available, see [“The New OVO Policies” on page 76](#).

The New OVO Managed Node Groups

The following OVO node groups are installed as part of the PeopleSoft SPI. Initially they are empty (i.e. no nodes are assigned to the new node groups):

- PS All Servers
- PS App Server
- PS Batch Server
- PS DB2 Server
- PS ORA Server
- PS Web Server
- PS Win All Servers
- PS Win App Server
- PS Win Batch Server
- PS Win DB2 Server
- PS Win MSS Server
- PS Win ORA Server
- PS Win Web Server

All pre-defined PeopleSoft node groups are assigned by default to the pre-defined PeopleSoft user roles, which are delivered with the PeopleSoft SPI. The different policy groups specific to the PeopleSoft SPI are also assigned by default to the corresponding PeopleSoft node groups.

NOTE

The node groups starting with PS Win must be used for Windows managed nodes (according to their role in the PeopleSoft environment). The other node groups (without PS Win as a name prefix) must be used for Unix managed nodes.

The node group PS Web Server/PS Win Web Server is only meant for the web servers bundled with PeopleSoft, e.g. Apache. This node group must not be used for BEA WebLogic or IBM WebSphere servers.

The New OVO Tool Groups

After the successful installation of the HP OpenView Smart Plug-In for PeopleSoft, a number of new OVO tool groups appear in the `Tools` .

The tool groups which contain tools to be applied to Windows managed nodes are located under the `PSSPI Win` tool group, the groups which contain tools for Unix managed nodes are located under the `PSSPI Unix` tool group.

The following list describes in general terms what the scope of the new PeopleSoft tool groups are:

- **“The PSSPI-Admin-Win Tool Group”**

`PSSPI-Admin-Win` contains tools intended for OVO administrators that are working on PeopleSoft SPI administration on Windows managed nodes.

- **“The PSSPI-Admin-Unix Tool Group”**

`PSSPI-Admin-Unix` contains tools intended for OVO administrators that are working on PeopleSoft SPI administration on Unix managed nodes.

- **“The PSoft-Admin-Win Tool Group”**

`PSoft-Admin-Win` contains tools intended for OVO users working in administrative mode on Windows managed nodes in the PeopleSoft environment.

- **“The PSoft-Admin-Unix Tool Group”**

`PSoft-Admin-Unix` contains tools intended for OVO users working in administrative mode on Unix managed nodes in the PeopleSoft environment.

- **“The PSoft-Oper-Win Tool Group”**

`PSoft-Oper-Win` contains tools intended for OVO users working in operational mode on Windows managed nodes in the PeopleSoft environment.

- **“The PSoft-Oper-Unix Tool Group”**

PSoft-Oper-Unix contains tools intended for OVO users working in operational mode on Unix managed nodes in the PeopleSoft environment.

- [“The PSoft-Reports-Win Tool Group”](#)

PSoft-Reports-Win contains tools intended for OVO users working in information retrieval mode on Windows managed nodes.

- [“The PSoft-Reports-Unix Tool Group”](#)

PSoft-Reports-Unix contains tools intended for OVO users working in information retrieval mode on Unix managed nodes.

The sections that follow describe the individual PeopleSoft tool groups in more detail, list the tools that the groups contain, and explain what the various tools do. Note that the tools listed will only work in the manner described if the HP OpenView Smart Plug-In for PeopleSoft has been successfully installed and correctly configured on *both* the OVO management server *and* the PeopleSoft systems you want the PeopleSoft SPI to monitor.

The PSSPI-Admin-Win Tool Group

The PSSPI-Admin-Win tool group contains tools intended for OVO administrators who are working specifically on PeopleSoft SPI administration on Windows managed nodes. The tools are started as Windows user Administrator and either can or must be used when installing, configuring, operating, and troubleshooting the PeopleSoft SPI. For more information on which utilities are called by the individual tools, see [“Tools and Tool Groups” on page 142](#) in Appendix B, PeopleSoft SPI Components,.

[Table 4-1 on page 60](#) lists in alphabetical order the various tools in the PSSPI-Admin-Win application group, describes briefly how the individual tools work, and indicates which function is called by each tool and which PeopleSoft interface is used.

Table 4-1 **PSSPI-Admin-Win Tools**

Tool Name	Description
Activate PS Services	Activates the generated service model for the default OVO user roles PeopleSoft Admin and PeopleSoft User.

Table 4-1 PSSPI-Admin-Win Tools (Continued)

Tool Name	Description
Build PS Services	Builds a service model for PeopleSoft environment from discovered information.
PS Activate	Activates the discovered PeopleSoft components and creates a <code>ps.cfg</code> file on the selected system This action copies the discovery information from the managed node to the management server.
PS Analyze	Analyzes the PeopleSoft components discovered by PS Discovery on <i>all</i> PeopleSoft systems
PS Discovery	Discovers PeopleSoft components on the nodes you have selected
PSSPI Cleanup	Removes all files and persistent information pertaining to the PeopleSoft SPI on the selected node
PSSPI Off	Switches <i>OFF</i> the monitoring components of the PSSPI (except database metrics) on the selected node
PSSPI On	Switches <i>ON</i> the monitoring components of the PSSPI (except database metrics) on the selected node
PSSPI Trace Off	Switches <i>OFF</i> the generation of trace information from the PSSPI components (except database metrics) on the selected node
PSSPI Trace On	Switches <i>ON</i> the generation of trace information from the PSSPI components (except database metrics) for the selected node
Verify PS Cfg	Verifies that the configuration of the managed PeopleSoft components in the <code>ps.cfg</code> file reflects the PeopleSoft environment on the node, and uses the findings to generate a report for the selected node

Table 4-1 PSSPI-Admin-Win Tools (Continued)

Tool Name	Description
Verify PSSPI Com	Verifies that the communication between managed node and management server is working correctly for PeopleSoft messages, and generates a report about the results for the selected node
Verify Node Inst	Checks the installation of the PSSPI on the OVO <i>managed node</i> is correct and uses the findings to generate a report for the selected node
Verify Svr Inst	Verifies that the installation of the PSSPI on the OVO <i>management server</i> is correct then uses the findings to generate a report
View PSSPI Cfg	Displays the PSSPI configuration file <code>psspi.cfg</code> , which contains settings for tracing for the selected node
View PS Cfg	Displays the PeopleSoft configuration file <code>psspi.disc</code> , which lists the managed PeopleSoft components for the selected node
View PSSPI Error	Displays the contents of the PSSPI error log file on the selected node
View PSSPI Trace	Displays the contents of the PSSPI trace file on the selected node

The PSSPI-Admin-Unix Tool Group

The PSSPI-Admin-Unix tool group contains tools intended for OVO administrators who are working specifically on PeopleSoft SPI administration on Unix managed nodes. The tools are started as the OVO agent user and either can or must be used when installing, configuring, operating, and troubleshooting the PeopleSoft SPI. For more information on which utilities are called by the individual tools, see [“Tools and Tool Groups” on page 142](#) in Appendix B, PeopleSoft SPI Components,.

Table 4-2 on page 63 lists in alphabetical order the various tools in the PSSPI-Admin-Unix application group, describes briefly how the individual tools work, and indicates which function is called by each tool and which PeopleSoft interface is used.

Table 4-2 PSSPI-Admin-Unix Tools

Tool Name	Description
PS Activate	Activates the discovered PeopleSoft components and creates a <code>ps.cfg</code> file on the selected system This action copies the discovery information from the managed node to the management server.
PS Discovery	Discovers PeopleSoft components on the nodes you have selected
PSSPI Cleanup	Removes all files and persistent information pertaining to the PeopleSoft SPI on the selected node
PSSPI Off	Switches <i>OFF</i> the monitoring components of the PSSPI (except database metrics) on the selected node
PSSPI On	Switches <i>ON</i> the monitoring components of the PSSPI (except database metrics) on the selected node
PSSPI Trace Off	Switches <i>OFF</i> the generation of trace information from the PSSPI components (except database metrics) on the selected node
PSSPI Trace On	Switches <i>ON</i> the generation of trace information from the PSSPI components (except database metrics) for the selected node
Verify PS Cfg	Verifies that the configuration of the managed PeopleSoft components in the <code>ps.cfg</code> file reflects the PeopleSoft environment on the node, and uses the findings to generate a report for the selected node

Table 4-2 PSSPI-Admin-Unix Tools (Continued)

Tool Name	Description
Verify PSSPI Com	Verifies that the communication between managed node and management server is working correctly for PeopleSoft messages, and generates a report about the results for the selected node
Verify Node Inst	Checks the installation of the PSSPI on the OVO <i>managed node</i> is correct and uses the findings to generate a report for the selected node
Verify Svr Inst	Verifies that the installation of the PSSPI on the OVO <i>management server</i> is correct then uses the findings to generate a report
View PSSPI Cfg	Displays the PSSPI configuration file <code>psspi.cfg</code> , which contains settings for tracing for the selected node
View PS Cfg	Displays the PeopleSoft configuration file <code>psspi.disc</code> , which lists the managed PeopleSoft components for the selected node
View PSSPI Error	Displays the contents of the PSSPI error log file on the selected node
View PSSPI Trace	Displays the contents of the PSSPI trace file on the selected node

The PSoft-Admin-Win Tool Group

This group contains tools intended for OVO users working in administrative mode on Windows managed nodes. These users are allowed to configure or tune the PeopleSoft environment. The tools can also be used to perform administrative tasks in the PeopleSoft environment.

Note that all tools in the PSoft-Admin-Win tool group are started as Windows user Administrator. For more information on which utilities are called by the individual tools, see [“Tools and Tool Groups” on page 142](#) in Appendix B, PeopleSoft SPI Components,.

[Table 4-3 on page 65](#) lists in alphabetical order the various tools in the PSoft-Admin-Win tool group, describes briefly how the individual tools work, and indicates which function is called by each tool and which PeopleSoft interface is used

Table 4-3 PSoft-Admin-Win Tools

Tool Name	Description
Unload TX Conf	Displays the current Tuxedo configuration for a PeopleSoft domain. If necessary, users are prompted to select a PeopleSoft domain, for which the configuration will be displayed Using additional argument <code>-a</code> will work on all domains, whereas additional argument <code>-d domain</code> will work on the specified domain only.
View PRCS Config	Displays the contents of the PeopleSoft process scheduler configuration file. The function accepts the same options for the selection of the process scheduler as <code>Start Proc Sched</code> in the PSoft-Oper tool group.

The PSoft-Admin-Unix Tool Group

This group contains tools intended for OVO users working in administrative mode on Unix managed nodes. These users are allowed to configure or tune the PeopleSoft environment. The tools can also be used to perform administrative tasks in the PeopleSoft environment.

Note that all tools in the PSoft-Admin-Win tool group are started as the OVO agent user. For more information on which utilities are called by the individual tools, see [“Tools and Tool Groups” on page 142](#) in Appendix B, PeopleSoft SPI Components,.

[Table 4-4 on page 66](#) lists in alphabetical order the various tools in the PSoft-Admin-Unix tool group, describes briefly how the individual tools work, and indicates which function is called by each tool and which PeopleSoft interface is used

Table 4-4 **PSoft-Admin-Unix Tools**

Tool Name	Description
Unload TX Conf	Displays the current Tuxedo configuration for a PeopleSoft domain. If necessary, users are prompted to select a PeopleSoft domain, for which the configuration will be displayed Using additional argument <code>-a</code> will work on all domains, whereas additional argument <code>-d domain</code> will work on the specified domain only.
View PRCS Config	Displays the contents of the PeopleSoft process scheduler configuration file. The function accepts the same options for the selection of the process scheduler as <code>Start Proc Sched</code> in the PSoft-Oper tool group.

The PSoft-Oper-Win Tool Group

This group contains tools intended for OVO users working in operational mode on Windows managed nodes. These users are responsible for resolving problems that occur within the PeopleSoft environment and are reported by OVO messages. The tools can be used to perform operational tasks on the PeopleSoft environment (e.g. restart servers).

Note that all tools in the PSoft-Oper-Win application group are started as Windows user Administrator. For more information on which utilities are called by the individual applications, see [“Tools and Tool Groups” on page 142](#) in Appendix B, PeopleSoft SPI Components,.

Table 4-5 on page 67 lists in alphabetical order the various tools in the PSoft-Oper-Win tool group, describes briefly how the individual tools work, and indicates which function is called by each tool and which PeopleSoft interface is used.

Table 4-5 PSoft-Oper-Win Tools

Tool Name	Description
Boot Adm Servers	Boot PS administration servers for all domains (i.e. Tuxedo infrastructure processes like BBL).
Boot Appl Servers	Boot PS application servers for all domains (e.g. PeopleSoft- specific server processes like PSAPPSRV, PSQCKSRV).
Boot All PS Domains	Boots all the PS domains (both administration and application servers), which are listed in <code>ps.cfg</code>
Boot PS Domain	Boots a PS domain (both administration and application servers). Domain must be specified via additional arguments using <code>-d domain</code>
File Systems	Displays statistics on file systems and their usage.
Restart All PS Domains	Shuts down and reboots all the PS domains (both administration and application servers), which are listed in <code>ps.cfg</code>
Restart PS Domain	Shuts down and reboots a PS domain (both administration and application servers). Domain must be specified via additional arguments using <code>-d domain</code>
Shutd. PS Domain	Shuts down a PS domain. Domain must be specified via additional arguments using <code>-d domain</code>
Shutd. All PS Domains	Shuts down all the PS domains listed in the file <code>ps.cfg</code>

Table 4-5 PSoft-Oper-Win Tools (Continued)

Tool Name	Description
Shutd. Adm Servers	Shuts down all the PS administration servers.
Shutd. Appl Servers	Shuts down all the PS application servers.
Start Proc Sched	Starts a process scheduler process. Database must be specified via additional arguments using <code>-d DB</code>
Start All Proc Scheds	Starts <i>all</i> the process scheduler processes, which are listed in <code>ps.cfg</code> (PeopleSoft 7.5 and higher <i>only</i>).
Stop All Proc Scheds	Stops <i>all</i> the process scheduler processes, which are listed in <code>ps.cfg</code> (PeopleSoft 7.5 and higher <i>only</i>).
Stop Proc Sched	Stops a process scheduler process and accepts the same options as Start Proc Sched.
View APPSRV.LOG	Displays the contents of the APPSRV.LOG logfile of a PS domain.
View TUXLOG	Displays the contents of the latest Tuxedo logfile of a PS domain.
View PRCS Log	Displays the contents of the latest process-scheduler logfile.

The PSoft-Oper-Unix Tool Group

This group contains tools intended for OVO users working in operational mode on Unix managed nodes. These users are responsible for resolving problems that occur within the PeopleSoft environment and are reported by OVO messages. The tools can be used to perform operational tasks on the PeopleSoft environment (e.g. restart servers).

Note that all tools in the PSoft-Oper-Win application group are started as the OVO agent user. For more information on which utilities are called by the individual applications, see [“Tools and Tool Groups” on page 142](#) in Appendix B, PeopleSoft SPI Components,.

Table 4-6 on page 69 lists in alphabetical order the various tools in the PSoft-Oper-Unix tool group, describes briefly how the individual tools work, and indicates which function is called by each tool and which PeopleSoft interface is used.

Table 4-6 PSoft-Oper-Unix Tools

Tool Name	Description
Boot Adm Servers	Boot PS administration servers for all domains (i.e. Tuxedo infrastructure processes like BBL).
Boot Appl Servers	Boot PS application servers for all domains (e.g. PeopleSoft- specific server processes like PSAPPSRV, PSQCKSRV).
Boot All PS Domains	Boots all the PS domains (both administration and application servers), which are listed in <code>ps.cfg</code>
Boot PS Domain	Boots a PS domain (both administration and application servers). Domain must be specified via additional arguments using <code>-d domain</code>
File Systems	Displays statistics on file systems and their usage.
Restart All PS Domains	Shuts down and reboots all the PS domains (both administration and application servers), which are listed in <code>ps.cfg</code>
Restart PS Domain	Shuts down and reboots a PS domain (both administration and application servers). Domain must be specified via additional arguments using <code>-d domain</code>
Shutd. PS Domain	Shuts down a PS domain. Domain must be specified via additional arguments using <code>-d domain</code>
Shutd. All PS Domains	Shuts down all the PS domains listed in the file <code>ps.cfg</code>

Table 4-6 PSoft-Oper-Unix Tools (Continued)

Tool Name	Description
Shutd. Adm Servers	Shuts down all the PS administration servers.
Shutd. Appl Servers	Shuts down all the PS application servers.
Start Proc Sched	Starts a process scheduler process. Database must be specified via additional arguments using <code>-d DB</code>
Start All Proc Scheds	Starts <i>all</i> the process scheduler processes, which are listed in <code>ps.cfg</code> (PeopleSoft 7.5 and higher <i>only</i>).
Stop All Proc Scheds	Stops <i>all</i> the process scheduler processes, which are listed in <code>ps.cfg</code> (PeopleSoft 7.5 and higher <i>only</i>).
Stop Proc Sched	Stops a process scheduler process and accepts the same options as Start Proc Sched.
View APPSRV.LOG	Displays the contents of the APPSRV.LOG logfile of a PS domain.
View TUXLOG	Displays the contents of the latest Tuxedo logfile of a PS domain.
View PRCS Log	Displays the contents of the latest process-scheduler logfile.

The PSoft-Reports-Win Tool Group

This PSoft-Reports-Win tool group contains tools intended for OVO users working in information-retrieval mode on Windows managed nodes. The tools are granted read-only rights and may be used to create reports on the PeopleSoft environment. All tools are started as Windows user Administrator. For more information on which utilities are called by the individual applications, see [“Tools and Tool Groups” on page 142](#) in Appendix B, PeopleSoft SPI Components,.

Table 4-7 on page 71 lists in alphabetical order the various tools in the PSoft-Reports-Win tool group, describes briefly how the individual tools work, and indicates which function is called by each tool and which PeopleSoft interface is used.

Two sub tool groups exist which contain specific reports for specific databases. The group MSS DB contains reports in case a MSS database is used, tool group Oracle DB contains reports for an Oracle database.

Table 4-7 PSoft-Reports-Win Tools

Tool Name	Description
PS Status	This application generates a status report on all PeopleSoft components on the selected node.
Proc Sched Status	Generates a status report on the PeopleSoft process scheduler. All valid options for the pspt command may be used.
PS/TX Versions	Generates a report on the PeopleSoft/Tuxedo software version on the selected node.
TX Client Status	Generates a report with information on the current PeopleSoft user activity.
TX Server Status	Generates a status report on the current PeopleSoft servers. .
TX Queue Status	Generates a status report on the current PeopleSoft queues.
MSS DB/PS Act. Conn.	Lists the currently active connections to the PS database.
MSS DB/PS Job Status	Generates a report on the status of all PeopleSoft batch jobs on the selected node.
MSS DB/PS Worklist Status	Generates a report on the status of the entries in the PeopleSoft worklist table.
Oracle DB/PS 2-Tier Conn	Generates a report on the number and origin of 2-tier connections to the PeopleSoft database.
Oracle DB/PS Job Status	Generates a report on the status of all PeopleSoft batch jobs on the selected node.

Table 4-7 PSoft-Reports-Win Tools (Continued)

Tool Name	Description
Oracle DB/PS Worklist Status	Generates a report on the status of the entries in the PeopleSoft worklist table.
Oracle DB/Tblspace Files	List data files for all table spaces of the PS database
Oracle DB/Tblspace Fraggmt	Generate a report on tablespace fragmentation
Oracle DB/Tblspace Free	List free tablespace
Oracle DB/Tblspace Status	Lists the status of table space

The PSoft-Reports-Unix Tool Group

This PSoft-Reports-Unix tool group contains tools intended for OVO users working in information-retrieval mode on Unix managed nodes. The tools are granted read-only rights and may be used to create reports on the PeopleSoft environment. All tools are started as the OVO agent user. For more information on which utilities are called by the individual applications, see [“Tools and Tool Groups” on page 142](#) in Appendix B, PeopleSoft SPI Components,.

[Table 4-8 on page 72](#) lists in alphabetical order the various tools in the PSoft-Reports-Unix tool group, describes briefly how the individual tools work, and indicates which function is called by each tool and which PeopleSoft interface is used.

One sub tool group exists which contains specific reports for specific databases. The tool group Oracle DB contains reports for an Oracle database.

Table 4-8 PSoft-Reports-Unix Tools

Tool Name	Description
PS Status	This application generates a status report on all PeopleSoft components on the selected node.

Table 4-8 PSoft-Reports-Unix Tools (Continued)

Tool Name	Description
Proc Sched Status	Generates a status report on the PeopleSoft process scheduler. All valid options for the pspt command may be used.
PS/TX Versions	Generates a report on the PeopleSoft/Tuxedo software version on the selected node.
TX Client Status	Generates a report with information on the current PeopleSoft user activity.
TX Server Status	Generates a status report on the current PeopleSoft servers. .
TX Queue Status	Generates a status report on the current PeopleSoft queues.
Oracle DB/PS 2-Tier Conn	Generates a report on the number and origin of 2-tier connections to the PeopleSoft database.
Oracle DB/PS Job Status	Generates a report on the status of all PeopleSoft batch jobs on the selected node.
Oracle DB/PS Worklist Status	Generates a report on the status of the entries in the PeopleSoft worklist table.
Oracle DB/Tblspace Files	List data files for all table spaces of the PS database
Oracle DB/Tblspace Fragnmt	Generate a report on tablespace fragmentation
Oracle DB/Tblspace Free	List free tablespace
Oracle DB/Tblspace Status	Lists the status of table space

The New OVO User Roles

After the successful installation of the HP OpenView Smart Plug-In for PeopleSoft, two new OVO user roles are available for assignment to real OVO users. For details on how to assign user roles to users, please consult the OVO on-line help system.

The following list describes in general terms what the scope of the new user roles are:

- PeopleSoft Admin is responsible for the administrative aspects of the PeopleSoft environment
- PeopleSoft User is responsible for monitoring the operational aspects of the PeopleSoft environment

[Table 4-9 on page 74](#) shows at a glance which new components of the HP OpenView Smart Plug-In for PeopleSoft are assigned by default to which new user role. These assignments can easily be reviewed and, where necessary, modified using standard OVO tools.

Table 4-9 **Default User Role Assignments**

New Component		PeopleSoft Admin	PeopleSoft User
Node Group	PS App Server	✓	✓
	PS Win App Server		
	PS Batch Server	✓	✓
	PS Win Batch Server		
	PS DB2 Server	✓	✓
	PS ORA Server		
	PS Win DB2 Server		
	PS Win ORA Server		
	PS Win MSS Server		
	PS Web Server	✓	✓
	PS Win Web Server		

Table 4-9 Default User Role Assignments (Continued)

New Component		PeopleSoft Admin	PeopleSoft User
Tool Group	PSSPI-Admin-Unix PSSPI-Admin-Win	✓	
	PSoft-Admin-Unix PSoft-Admin-Win	✓	
	PSoft-Oper-Unix PSoft-Oper-Win	✓	✓
	PSoft-Reports-Unix PSoft-Reports-Win	✓	✓

The New OVO Policies

The HP OpenView Smart Plug-In for PeopleSoft installs a number of new policy groups which contain all the policies you need to manage the PeopleSoft environment. The following policy groups are installed by the PeopleSoft SPI and are explained in greater detail in the individual sections that follow:

- [“The PSSPI-Win_App_Server Policy Group” on page 78](#)
- [“The PSSPI-App_Server Policy Group” on page 81](#)
- [“The PSSPI-Win_Batch_Server Policy Group” on page 84](#)
- [“The PSSPI-Batch_Server Policy Group” on page 85](#)
- [“The PSSPI-Win_OraDB_Server Policy Group” on page 86](#)
- [“The PSSPI-OraDB_Server Policy Group” on page 88](#)
- [“The PSSPI-Win_MSSDB_Server Policy Group” on page 89](#)
- [“The PSSPI-Win_Web_Server Policy Group” on page 91](#)
- [“The PSSPI-Web_Server Policy Group” on page 92](#)

For more information on the scripts which the policies and PeopleSoft SPI monitors use, see [“Policies”](#) in Appendix B, “PeopleSoft SPI Components.”

CAUTION

The top-level SPI for PeopleSoft policy group must *not* be assigned to a node or node group: it is a top-level policy group that is a container for the other PeopleSoft-specific policy groups.

For example, the PeopleSoft server processes can be monitored using a pre-defined process monitor provided as part of the PeopleSoft SPI. In addition the PeopleSoft server log files can be monitored with log-file policy. The policies and policy groups have to be deployed using the standard OVO mechanisms. For more information on assigning and deploying templates in OVO, see [“Distributing PeopleSoft SPI instrumentation” on page 40](#).

The OVO Management Server along with all the Windows PeopleSoft servers which should be monitored by the PeopleSoft SPI have to be assigned to the PeopleSoft SPI node group PSSPI-Win_All_Server, too. PeopleSoft servers running the Unix operating system should be assigned to node group PSSPI-All_Server, in addition to their PeopleSoft role specific node group.

NOTE

Note that only one of either the policy group PSSPI-Win_MSSDB_Server or PSSPI-Win_Oradb_Server can be assigned to a single node. Which policy group is to be used depends on the database server used on this system for the PeopleSoft databases.

The PSSPI-Win_App_Server Policy Group

[Table 4-10 on page 79](#) lists the policies in the PSSPI-Win_App_Server policy group, indicates each policy's type, and gives a brief description of what is monitored and how. The policies in this group are meant for Windows managed nodes.

Table 4-10 PSSPI-Win_App_Server Policies

Policy Type	Policy Name	Description
Monitor	PSSPI-Win_AppSrvLogSize	Monitors the application-server log directory for the amount of disk space consumed by the APPSRV.LOG and TUXLOG.<date> files
	PSSPI-Win_FileSys	Monitors UNIX file-system space - checks all local file systems
	PSSPI-Win_TMIB-001_1	Monitors the status of the Tuxedo domains of a PeopleSoft application server
	PSSPI-Win_TMIB-005_1	Monitors the actual number of APPSRV server processes and compares the it with TA_MIN
	PSSPI-Win_TMIB-006_1	Monitors the actual number of APPSRV server processes and compares it with TA_MAX
	PSSPI-Win_TMIB-007_1	Monitors the generation number TA_MAXGEN - TA_GENERATION
	PSSPI-Win_TMIB-008_1	Monitors the actual (absolute) number of APPSRV processes.
	PSSPI-Win_TMIB-010_1	Monitors the number of GUI clients
	PSSPI-Win_TMIB-Col-05min_1 a	Runs the TMIB collector process to gather DB metrics every <intv> minutes. In this case <i>intv</i> = 5 mins. Note that there may be multiple templates with different <intv>. Actual data processing is done in monitors TMIB-<metric>. In addition, this collector checks for Tuxedo domains which are currently down.
	PSSPI-Win_TMIB-Col-05min_2	This TMIB collector checks for Tuxedo domains which are currently up.

Table 4-10 PSSPI-Win_App_Server Policies (Continued)

Policy Type	Policy Name	Description
Logfile	PSSPI-Win_AppSrvCfgFiles	Monitors changes to the application-server configuration file, <code>psappsrv.cfg</code>
	PSSPI-Win_AppSrvLogFiles	Monitors the application-server log file, <code>APPSRV.LOG</code> , for each PS domain Please note that messages not currently recognized by a SPI Policy Condition are sent directly to the history log of the OVO server as “unrecognized messages”. To change this, you may deactivate the according flag in the last condition of this policy.
	PSSPI-Win_TUXLogDirs	Monitors the PeopleSoft domain log directories for new <code>TUXLOG</code> files.
	PSSPI-Win_TUXLogFiles	Monitors the <code>TUXLOG.<date></code> log files for each PeopleSoft domain Please note that messages not currently recognized by a SPI Template Condition are send directly to the history log of the VPO server as “unrecognized messages”. To change this, you may deactivate the according flag in the last condition of this template.
Message	PSSPI-Win_PSSPI-Messages	Intercepts messages from the PeopleSoft SPI programs

- a. If you want to split the collector monitor into multiple monitors each of which is configured to run at different intervals, make sure that only *one* of the monitors is configured to feed the MeasureWare agent. For more information, see [“Monitor Scripts” on page 139](#).

The PSSPI-App_Server Policy Group

[Table 4-11 on page 82](#) lists the policies in the PSSPI-Win_App_Server policy group, indicates each policy's type, and gives a brief description of what is monitored and how. The policies in this group are meant for Unix managed nodes.

Table 4-11 PSSPI-App_Server Policies

Policy Type	Policy Name	Description
Monitor	PSSPI-AppSrvLogSize	Monitors the application-server log directory for the amount of disk space consumed by the APPSRV.LOG and TUXLOG.<date> files
	PSSPI-FileSys	Monitors UNIX file-system space - checks all local file systems
	PSSPI-TMIB-001_1	Monitors the status of the Tuxedo domains of a PeopleSoft application server
	PSSPI-TMIB-005_1	Monitors the actual number of APPSRV server processes and compares the it with TA_MIN
	PSSPI-TMIB-006_1	Monitors the actual number of APPSRV server processes and compares it with TA_MAX
	PSSPI-TMIB-007_1	Monitors the generation number TA_MAXGEN - TA_GENERATION
	PSSPI-TMIB-008_1	Monitors the actual (absolute) number of APPSRV processes.
	PSSPI-MIB-010_1	Monitors the number of GUI clients
	PSSPI-TMIB-Col-05min_1 ^a	Runs the TMIB collector process to gather DB metrics every <intv> minutes. In this case intv = 5 mins. Note that there may be multiple templates with different <intv>. Actual data processing is done in monitors TMIB-<metric>. In addition, this collector checks for Tuxedo domains which are currently down.
	PSSPI-TMIB-Col-05min_2	This TMIB collector checks for Tuxedo domains which are currently up.

Table 4-11 PSSPI-App_Server Policies (Continued)

Policy Type	Policy Name	Description
Logfile	PSSPI-AppSrvCfgFiles	Monitors changes to the application-server configuration file, <code>psappsrv.cfg</code>
	PSSPI-AppSrvLogFiles	Monitors the application-server log file, <code>APPSRV.LOG</code> , for each PS domain Please note that messages not currently recognized by a SPI Policy Condition are sent directly to the history log of the OVO server as “unrecognized messages”. To change this, you may deactivate the according flag in the last condition of this policy.
	PSSPI-TUXLogDirs	Monitors the PeopleSoft domain log directories for new <code>TUXLOG</code> files.
	PSSPI-TUXLogFiles	Monitors the <code>TUXLOG.<date></code> log files for each PeopleSoft domain Please note that messages not currently recognized by a SPI Template Condition are send directly to the history log of the VPO server as “unrecognized messages”. To change this, you may deactivate the according flag in the last condition of this template.
Message	PSSPI-PSSPI-Messages	Intercepts messages from the PeopleSoft SPI programs

- a. If you want to split the collector monitor into multiple monitors each of which is configured to run at different intervals, make sure that only *one* of the monitors is configured to feed the MeasureWare agent. For more information, see [“Monitor Scripts” on page 139](#).

The PSSPI-Win_Batch_Server Policy Group

Table 4-12 on page 84 lists the policies in the PSSPI-Win_Batch_Server policy group, indicates each policy's type, and gives a brief description of what is monitored and how. The policies in this group are meant for Windows managed nodes.

Table 4-12 PSSPI-Win_Batch_Server Policies

Policy Type	Policy Name	Description
Message	PSSPI-Win_PSSPI-Messages	Intercepts messages from the PeopleSoft SPI programs
Logfile	PSSPI-Win_PrcsLogDirs	Monitors the PeopleSoft, process-scheduler log directories. Checks for new log files and switches the actual log file
	PSSPI-Win_PrcsLogFiles	Monitors the PeopleSoft process-scheduler log files. Please note that messages not currently recognized by a SPI Policy Condition are sent directly to the history log of the OVO server as “unrecognized messages”. To change this, you may deactivate the according flag in the last condition of this policy.
Monitor	PSSPI-Win_PrcsLogSize	Monitors the size of the process scheduler log directory and the disk space consumed by the process scheduler log files
	PSSPI-Win_PrcsJobTab	Checks the process scheduler table and the job-table entries
	PSSPI-Win_PrcsMon	Monitors the existence of the process scheduler process.

The PSSPI-Batch_Server Policy Group

Table 4-13 on page 85 lists the policies in the PSSPI-Batch_Server policy group, indicates each policy's type, and gives a brief description of what is monitored and how. The policies in this group are meant for Unix managed nodes.

Table 4-13 PSSPI-Batch_Server Policies

Policy Type	Policy Name	Description
Message	PSSPI-PSSPI-Messages	Intercepts messages from the PeopleSoft SPI programs
Logfile	PSSPI-PrcsLogDirs	Monitors the PeopleSoft, process-scheduler log directories. Checks for new log files and switches the actual log file
	PSSPI-PrcsLogFiles	Monitors the PeopleSoft process-scheduler log files. Please note that messages not currently recognized by a SPI Policy Condition are sent directly to the history log of the OVO server as “unrecognized messages”. To change this, you may deactivate the according flag in the last condition of this policy.
Monitor	PSSPI-PrcsLogSize	Monitors the size of the process scheduler log directory and the disk space consumed by the process scheduler log files
	PSSPI-PrcsJobTab	Checks the process scheduler table and the job-table entries
	PSSPI-PrcsMon	Monitors the existence of the process scheduler process.

The PSSPI-Win_OraDB_Server Policy Group

[Table 4-14 on page 87](#) lists the policies in the PSSPI-Win_OraDB_Server policy group, indicates each policy's type, and gives a brief description of what is monitored and how. The policies in this group are meant for Windows managed nodes.

NOTE

This policy group is meant for Windows PeopleSoft database servers operated by the Oracle RDBMS.

Messages intercepted by the PSSPI-Win_DBSPI-Messages policy supplied with the PeopleSoft SPI duplicate messages intercepted by the DBSPI policies. If the DBSPI is already installed (and the DBSPI policies already assigned and deployed) and you want to avoid duplicate messages arriving from the database server, you should disable the PSSPI-DBSPI-Messages template using OVO tools.

If the same database metrics as listed in [Table 4-14](#) are to be computed using the original DBSPI policies, it may happen that more than one DBSPI collector is accessing a PeopleSoft database at the same time.

Per default, such overlapping metrics are detected by the DBSPI collectors and a warning message is written to the DBSPI log file - and shown in the OVO message browser.

To avoid these messages - and to avoid the additional load on the managed node - you may want to disable these multiply defined metrics in one of the SPI's, whether the DBSPI or the PeopleSoft SPI.

This may be done by removing the appropriate metric number from the collector policy. For the PeopleSoft SPI, this collector policy is PSSPI-Win_OraDB-Col-05Min_1. For the DBSPI, this collector template is DBSPI-Ora-05min, DBSPI-Ora-05min-Favorites or DBSPI-Ora-05minSQLNet.,

Table 4-14 PSSPI-Win_OraDB_Server Policies

Policy Type	Policy Name	Description
Message	PSSPI-Win_DBSPI-Messages	Intercepts messages from the DBSPI programs
	PSSPI-Win_PSSPI-Messages	Intercepts messages from the PeopleSoft SPI programs
Monitor	PSSPI-Win_OraDB-Col-05Min	Runs the collector process to gather DB metrics every 5 minutes
	PSSPI-Win_DBSPI-0006	Monitors the number of table spaces with low free space (TblSpaceFreePctCnt)
	PSSPI-Win_DBSPI-00011	Monitors the number of fragmented table spaces (TblSpaceFragmentCnt)
	PSSPI-Win_DBSPI-0791	Number of employees
	PSSPI-Win_DBSPI-0792	Number of queue jobs
	PSSPI-Win_DBSPI-0793	Number of 2-tier client connections: i.e. the number of clients working in 2-tier mode
	PSSPI-Win_FileSys	Monitors the PeopleSoft file-system space
	PSSPI-Win_WorkList	Checks the PeopleSoft work-list table

The PSSPI-OraDB_Server Policy Group

[Table 4-15 on page 89](#) lists the policies in the PSSPI-OraDB_Server policy group, indicates each policy's type, and gives a brief description of what is monitored and how. The policies in this group are meant for Unix managed nodes.

NOTE

This policy group is meant for Unix PeopleSoft database servers operated by the Oracle RDBMS.

Messages intercepted by the PSSPI-DBSPI-Messages policy supplied with the PeopleSoft SPI duplicate messages intercepted by the DPSPI policies. If the DBSPI is already installed (and the DBSPI policies already assigned and deployed) and you want to avoid duplicate messages arriving from the database server, you should disable the PSSPI-DBSPI-Messages template using OVO tools.

If the same database metrics as listed in [Table 4-15](#) are to be computed using the original DBSPI policies, it may happen that more than one DBSPI collector is accessing a PeopleSoft database at the same time.

Per default, such overlapping metrics are detected by the DBSPI collectors and a warning message is written to the DBSPI log file - and shown in the OVO message browser.

To avoid these messages - and to avoid the additional load on the managed node - you may want to disable these multiply defined metrics in one of the SPI's, whether the DBSPI or the PeopleSoft SPI.

This may be done by removing the appropriate metric number from the collector policy. For the PeopleSoft SPI, this collector policy is PSSPI-OraDB-Col-05Min_1. For the DBSPI, this collector template is DBSPI-Ora-05min, DBSPI-Ora-05min-Favorites or DBSPI-Ora-05minSQLNet.,

Table 4-15 PSSPI-OraDB_Server Policies

Policy Type	Policy Name	Description
Message	PSSPI-DBSPI-Messages	Intercepts messages from the DBSPI programs
	PSSPI-PSSPI-Messages	Intercepts messages from the PeopleSoft SPI programs
Monitor	PSSPI-OraDB-Col-05Min	Runs the collector process to gather DB metrics every 5 minutes
	PSSPI-DBSPI-0006	Monitors the number of table spaces with low free space (TblSpaceFreePctCnt)
	PSSPI-DBSPI-00011	Monitors the number of fragmented table spaces (TblSpaceFragmentCnt)
	PSSPI-DBSPI-0791	Number of employees
	PSSPI-DBSPI-0792	Number of queue jobs
	PSSPI-DBSPI-0793	Number of 2-tier client connections: i.e. the number of clients working in 2-tier mode
	PSSPI-FileSys	Monitors the PeopleSoft file-system space
	PSSPI-WorkList	Checks the PeopleSoft work-list table

The PSSPI-Win_MSSDB_Server Policy Group

Table 4-16 on page 90 lists the policies in the PSSPI-Win_MSSDB_Server policy group, indicates each policys type, and gives a brief description of what is monitored and how.

NOTE

This policy group is meant for PeopleSoft database servers operated by the Microsoft SQL Server 2000 RDBMS.

Messages intercepted by the `PSSPI-Win_DBSPI-Messages` policy supplied with the PeopleSoft SPI duplicate messages intercepted by the DBSPI policies. If the DBSPI is already installed (and the DBSPI policies already assigned and deployed) and you want to avoid duplicate messages arriving from the database server, you should disable the `PSSPI-DBSPI-Messages` template using OVO tools.

If the same database metrics as listed in [Table 4-16](#) are to be computed using the original DBSPI policies, it may happen that more than one DBSPI collector is accessing a PeopleSoft database at the same time.

Per default, such overlapping metrics are detected by the DBSPI collectors and a warning message is written to the DBSPI log file - and shown in the OVO message browser.

To avoid these messages - and to avoid the additional load on the managed node - you may want to disable these multiply defined metrics in one of the SPI's, whether the DBSPI or the PeopleSoft SPI.

This may be done by removing the appropriate metric number from the collector policy. For the PeopleSoft SPI, this collector policy is `PSSPI-Win_MSSDB-Col-05Min_1`. For the DBSPI, this collector template is `DBSPI-MSS-05min`, `DBSPI-MSS-05min-Favorites`.

Table 4-16 **PSSPI-Win_MSSDB_Server Policies**

Policy Type	Policy Name	Description
Message	PSSPI-Win_PSSPI-Messages	Intercepts messages from the PeopleSoft SPI programs
	PSSPI-Win_DBSPI-Messages	Intercepts messages from the DBSPI programs

Table 4-16 PSSPI-Win_MSSDB_Server Policies (Continued)

Policy Type	Policy Name	Description
Monitor	PSSPI-Win_MSSDB-Col-05Min	Runs the collector process to gather DB metrics every 5 minutes
	PSSPI-Win_DBSPI-3791	Number of employees
	PSSPI-Win_DBSPI-3792	Number of queue jobs
	PSSPI-Win_DBSPI-3793	Number of database connections
	PSSPI-Win_FileSys	Monitors the PeopleSoft file-system space
	PSSPI-Win_WorkList	Checks the PeopleSoft work-list table

The PSSPI-Win_Web_Server Policy Group

Table 4-17 on page 91 lists the templates in the PSSPI-Win_Web_Server policy group, indicates each policy's type, and gives a brief description of what is monitored and how. The policies in this group are meant for Windows managed nodes.

Table 4-17 PSSPI-Win_Web_Server Policies

Template Type	Template Name	Description
Message	PSSPI-Win_PSSPI-Messages	Intercepts messages from the PeopleSoft SPI programs
Logfile	PSSPI-Win_WebLogFiles	Monitors the log file of the bundled Apache web server (PeopleTools 8.1)
Monitor	PSSPI-Win_WebMon	Monitors the existence of the Apache web server (PeopleSoft 8.1)

The PSSPI-Web_Server Policy Group

Table 4-18 on page 92 lists the templates in the PSSPI-Win_Web_Server policy group, indicates each policys type, and gives a brief description of what is monitored and how.

Table 4-18 **PSSPI-Web_Server Policies**

Template Type	Template Name	Description
Message	PSSPI-PSSPI-Messages	Intercepts messages from the PeopleSoft SPI programs
Logfile	PSSPI-WebLogFiles	Monitors the log file of the bundled Apache web server (PeopleTools 8.1)
Monitor	PSSPI-WebMon	Monitors the existence of the Apache web server (PeopleSoft 8.1)

Policies on Cluster Nodes

The PeopleSoft SPI policies continue to generate messages and send them to the OVO management server irrespective of whether the resource group for PeopleSoft is running on that node or not. This can lead to a situation where, after a resource group switch from node A to node B, unnecessary messages appear in the Message Browser window on the OVO management server informing you that the PeopleSoft processes are no longer running on node A. The messages are unnecessary because they are notifying you of behavior that is expected.

To allow or prevent the collection and sending of such messages from PeopleSoft systems in cluster environment, you need to disable the PeopleSoft SPI on those nodes, where the PeopleSoft components are down intentionally and to reactivate the PeopleSoft SPI where the PeopleSoft components are up again.

To deactivate the PeopleSoft SPI, add the following lines to the script which is called when the OVO resource group is switched off on the managed node:

The following lines are to be executed on Unix managed nodes.

```
opctemplate -d PSSPI-AppSrvLogFiles
opctemplate -d PSSPI-AppSrvCfgFiles
opctemplate -d PSSPI-AppSrvLogSize
opctemplate -d PSSPI-TUXLogDirs
opctemplate -d PSSPI-TUXLogFiles
opctemplate -d PSSPI-FileSys
opctemplate -d PSSPI-TMIB-Col-05min_1
opctemplate -d PSSPI-TMIB-Col-05min_2
opctemplate -d PSSPI-PrCsLogDirs
opctemplate -d PSSPI-PrCsLogFiles
opctemplate -d PSSPI-PrCsLogSize
opctemplate -d PSSPI-PrCsMon
opctemplate -d PSSPI-PrCsJobTab
opctemplate -d PSSPI-OraDB-Col-05min
opctemplate -d PSSPI-MSSDB-Col-05min
opctemplate -d PSSPI-WorkList
opctemplate -d PSSPI-WebLogFiles
opctemplate -d PSSPI-WebMon
```

The following lines are to be executed on Windows managed nodes.

```
opctemplate -d PSSPI-Win_AppSrvLogFiles
opctemplate -d PSSPI-Win_AppSrvCfgFiles
opctemplate -d PSSPI-Win_AppSrvLogSize
opctemplate -d PSSPI-Win_TUXLogDirs
opctemplate -d PSSPI-Win_TUXLogFiles
opctemplate -d PSSPI-Win_FileSys
opctemplate -d PSSPI-Win_TMIB-Col-05min_1
opctemplate -d PSSPI-Win_TMIB-Col-05min_2
opctemplate -d PSSPI-Win_PrcsLogDirs
opctemplate -d PSSPI-Win_PrcsLogFiles
opctemplate -d PSSPI-Win_PrcsLogSize
opctemplate -d PSSPI-Win_PrcsMon
opctemplate -d PSSPI-Win_PrcsJobTab
opctemplate -d PSSPI-Win_OraDB-Col-05min
opctemplate -d PSSPI-Win_MSSDB-Col-05min
opctemplate -d PSSPI-Win_WorkList
opctemplate -d PSSPI-Win_WebLogFiles
opctemplate -d PSSPI-Win_WebMon
```

To activate the PeopleSoft SPI, add the following lines to the script which is called when the OVO package is switched on:

The following lines are to be executed on Unix managed nodes:

```
opctemplate -e PSSPI-AppSrvLogFiles
opctemplate -e PSSPI-AppSrvCfgFiles
opctemplate -e PSSPI-AppSrvLogSize
opctemplate -e PSSPI-TUXLogDirs
opctemplate -e PSSPI-TUXLogFiles
opctemplate -e PSSPI-FileSys
opctemplate -e PSSPI-TMIB-Col-05min_1
opctemplate -e PSSPI-TMIB-Col-05min_2
opctemplate -e PSSPI-PrcsLogDirs
opctemplate -e PSSPI-PrcsLogFiles
opctemplate -e PSSPI-PrcsLogSize
opctemplate -e PSSPI-PrcsMon
opctemplate -e PSSPI-PrcsJobTab
opctemplate -e PSSPI-OraDB-Col-05min
opctemplate -e PSSPI-MSSDB-Col-05min
opctemplate -e PSSPI-WorkList
opctemplate -e PSSPI-WebLogFiles
opctemplate -e PSSPI-WebMon
```

The following lines are to be executed on Windows managed nodes:

```
opctemplate -e PSSPI-Win_AppSrvLogFiles
opctemplate -e PSSPI-WinAppSrvCfgFiles
opctemplate -e PSSPI-WinAppSrvLogSize
```

```
opctemplate -e PSSPI-Win_TUXLogDirs
opctemplate -e PSSPI-Win_TUXLogFiles
opctemplate -e PSSPI-Win_FileSys
opctemplate -e PSSPI-Win_TMIB-Col-05min_1
opctemplate -e PSSPI-Win_TMIB-Col-05min_2
opctemplate -e PSSPI-Win_PrcsLogDirs
opctemplate -e PSSPI-Win_PrcsLogFiles
opctemplate -e PSSPI-Win_PrcsLogSize
opctemplate -e PSSPI-Win_PrcsMon
opctemplate -e PSSPI-Win_PrcsJobTab
opctemplate -e PSSPI-Win_OraDB-Col-05min
opctemplate -e PSSPI-Win_MSSDB-Col-05min
opctemplate -e PSSPI-Win_WorkList
opctemplate -e PSSPI-Win_WebLogFiles
opctemplate -e PSSPI-Win_WebMon
```

5 Using Service Views

This section describes how to take advantage of the service model of the PeopleSoft environment built by the HP OpenView Smart Plug-In for PeopleSoft.

In this Section

This section describes how to take advantage of the service model of the PeopleSoft environment built by the HP OpenView Smart Plug-In for PeopleSoft. In this section you will find information concerning:

- “Service Views with the PeopleSoft SPI”
- “The System View”
- “The Instance View”
- “Resources and Processes”
- “Service Discovery, Activation, and Assignment”

Service Views with the PeopleSoft SPI

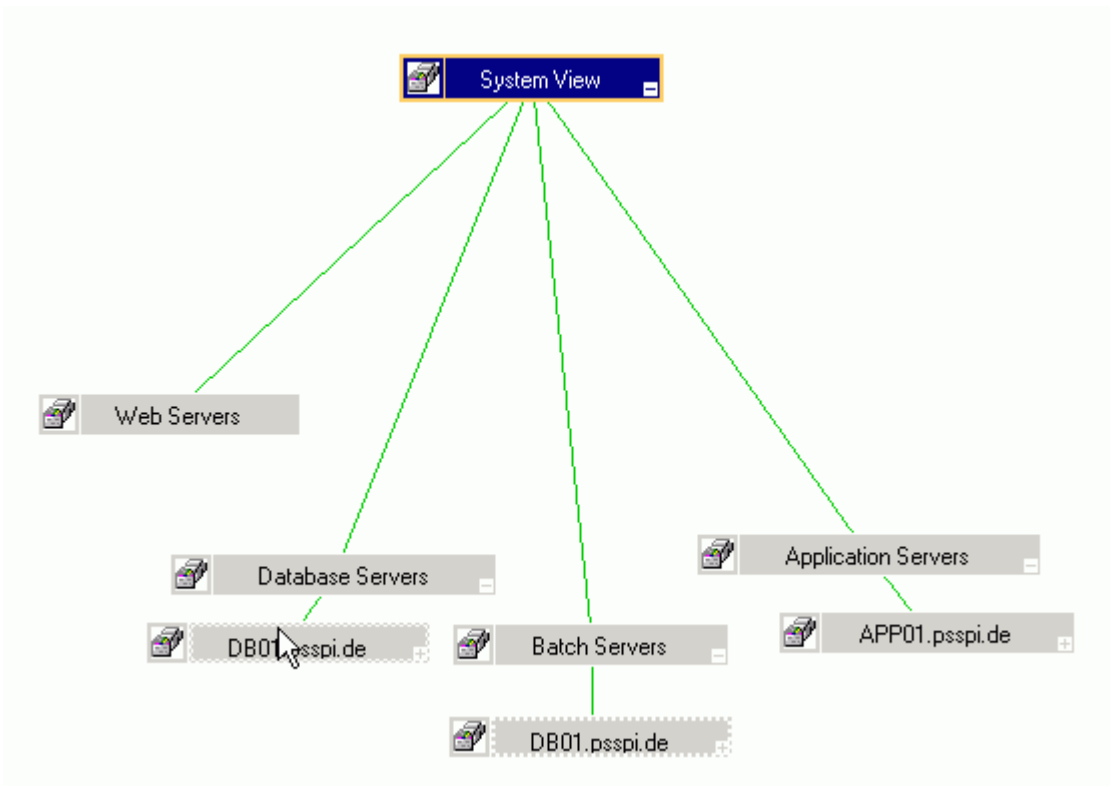
If you are using the HP OpenView Smart Plug-In for PeopleSoft with OpenView Operations, you can make use of the service model which allows you to display a logical view of all the monitored components in your user environment.

From a PeopleSoft perspective, the PeopleSoft SPI uses the service model to display all PeopleSoft components (database, application, web and batch servers) and any dependencies both in terms of the systems on which the PeopleSoft components are running, that is; a *system* view and, if necessary, the logical view of each installed PeopleSoft instance, the *instance* view. For more information on the system view, see [“The System View” on page 100](#). For more information on the instance view, see [“The Instance View” on page 102](#).

The System View

The PeopleSoft SPI uses the service model to display all PeopleSoft components such as database, application, web and batch servers as well as any dependencies in terms of the systems on which the PeopleSoft components are running. [Figure 5-1 on page 100](#) illustrates an example representation of a “system” view. It is important to recognize that the idea is *not* to display the status of any particular PeopleSoft functionality; rather, it is to indicate which systems are configured in which PeopleSoft role.

Figure 5-1 **A System View of the PeopleSoft Environment**



There are four different system types each represented by a service icon:

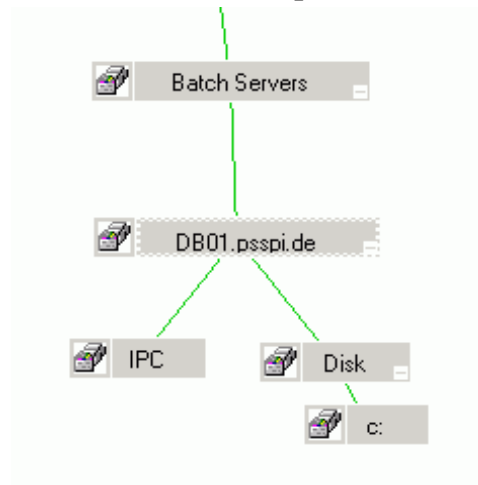
- database servers
- application servers
- batch servers
- web servers (only servers bundled with PT 8.1, i.e. Apache)

Note that any one system can be linked to more than one system-type icon (e.g. a database server can also be an application server) and each of the system icons has a dependency on a *real* system icon in the OS (operating system) name space.

More detailed information is available on each system listen in the system view.

Figure 5-2

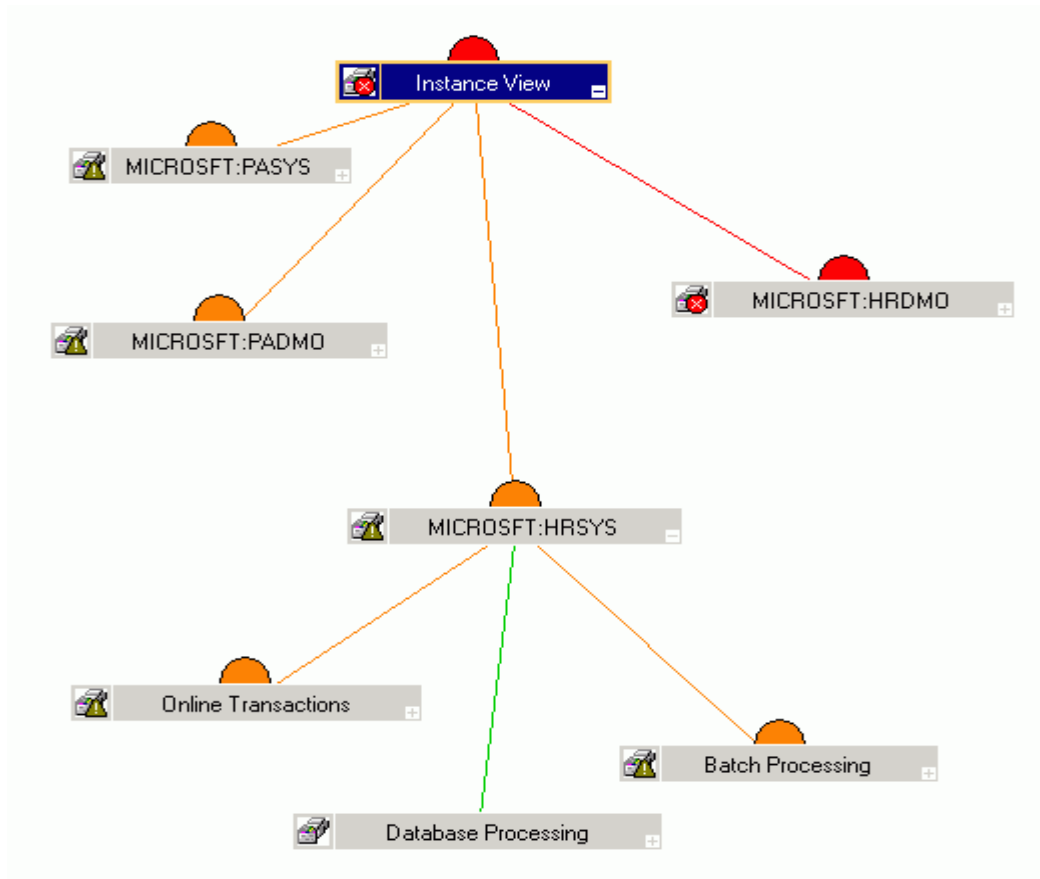
Detailed View of PeopleSoft Services



The Instance View

The PeopleSoft SPI can also use the service model to display all PeopleSoft components (database, application, web and batch servers) in terms of the PeopleSoft instances running, that is; an *instance* view. The top level of a instance view is one icon for each installed PeopleSoft instance such as PeopleSoft Databases like **HR** (Human Resources) and **Finance**. [Figure 5-3 on page 102](#) illustrates an example of just such an instance view, where PTDMO and HR700 are instance names.

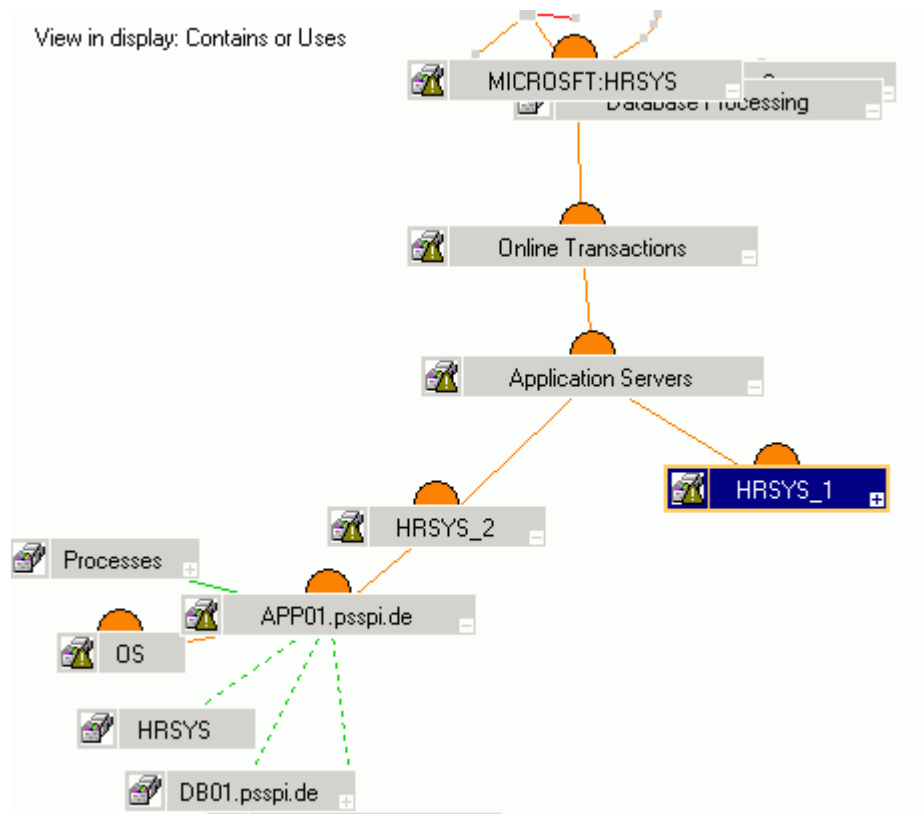
Figure 5-3 **An *Instance* View of the PeopleSoft Environment**



Each top-level PeopleSoft instance, such as HR or Finance, depends on a logical component like Batch Processing or Online Transactions, which in turn have a dependency on the *real* database, the application server, and the process scheduler subsystem. Note that there can be multiple process schedulers on different systems each represented in the service model by a single system icon. The application server depends on one or more Tuxedo domains, which in turn can reside on different systems.

Each system has dependencies on relevant components in the OS name space, and this might affect the availability of the service. For example, the application server depends on all IPC resources but only on specific file systems on this system.

Figure 5-4 **Components and Dependencies**



Resources and Processes

The HP OpenView Smart Plug-In for PeopleSoft monitors low-level resources and reports any failure by sending a message to the OVO management server. The propagation rules that determine which high level services are affected by the failure of low-level processes and resources is built into the service-tree definition. The low-level component names contain intermediate instance names which provide uniqueness within the service definition. For example the process PSAUTH may show up in multiple locations (at least once for each PeopleSoft *domain*). Consequently, the name of the service representing PSAUTH contains the name of the particular PeopleSoft domain.

The following is an example of a service name:

```
PS_SPI: ramses.bbn.hp.com:AppSrv:pt700ora:PSAUTH
```

where:

- PS_SPI
is the name space
- ramses.bbn...
is the host name
- AppSrv
is the sub-group (necessary, in this case, to avoid the situation in which a real DB has the same name as a Tuxedo domain)
- pt700ora
is the Tuxedo domain
- PSAUTH
is the process name

Note that the OVO policies provided with the PeopleSoft SPI use *exactly* the same format in their service field in order to be able to identify the affected service when sending an OVO message.

Service Discovery, Activation, and Assignment

Once you have all the necessary HP OpenView components installed and running, you can use the pre-defined tools provided with the PeopleSoft SPI to discover the services present in the PeopleSoft domain, build a service model, activate it, and finally assign it to the appropriate user roles.

To build the PeopleSoft service model and activate it:

1. Open the PSSPI-Admin-Win tool group.
2. Launch the Build PS Services tool to build a service model for the PeopleSoft environment. The Build PS Services tool uses the information stored in the node-specific configuration files residing in the directories created by the PS Activation tool:

```
<OVOServerInstallDir>/psspi/conf/<node_name>
```

3. Launch Activate PS Services tool to activate the newly built service model for the PeopleSoft environment.

6 Troubleshooting the PeopleSoft SPI

This section describes how to go about troubleshooting the HP OpenView Smart Plug-In for PeopleSoft.

In this Section

This section describes how to go about troubleshooting the HP OpenView Smart Plug-In for PeopleSoft. In this section you will find information concerning:

- [“General Troubleshooting Notes”](#)
- [“Determining the PeopleSoft SPI Version”](#)
- [“PeopleSoft SPI Verification Scripts”](#)
- [“PeopleSoft SPI Error Logging”](#)
- [“PeopleSoft SPI Tracing”](#)

General Troubleshooting Notes

There are a number of tools and tips to help you troubleshoot problems with the HP OpenView Smart Plug-In for PeopleSoft. The following list describes the most important points to remember:

1. Establish what version of the HP OpenView Smart Plug-In for PeopleSoft is installed and running. For more information, see [“Determining the PeopleSoft SPI Version” on page 110](#).
2. Use the “verification” tools such as `Verify PS Cfg` and `Verify PSSPI Com` in the Application Group `PSSPI Admin`. These tools, as the names suggest, allow you to verify specific aspects of the configuration and installation of the PeopleSoft SPI. For more information, see [“PeopleSoft SPI Verification Scripts” on page 111](#).
3. Have a look at the standard PeopleSoft SPI error log files, which can often contain information that is crucial to understanding and resolving problems. For more information, see [“PeopleSoft SPI Error Logging” on page 112](#).
4. Generate information on the working of the PeopleSoft SPI, enable tracing by running the `PSSPI Trace On` application in the `PSSPI-Admin` tool group. For more information, see [“PeopleSoft SPI Tracing” on page 113](#).

Determining the PeopleSoft SPI Version

It is essential that you know which version of the PeopleSoft SPI software is installed and running on the system that is proving troublesome in order to be able to understand how to proceed. To establish which version of the software is present, carry out the following steps:

1. Use tools such as `Verify Node Inst` and `Verify Srv Inst` to establish the version number of the PeopleSoft SPI files installed on the management server and the managed nodes.
2. Run the application `PS/TX Versions` which resides in the tool group `PSoft-Reports` to establish which version of PeopleSoft and/or Tuxedo is present.

PeopleSoft SPI Verification Scripts

The HP OpenView Smart Plug-In for PeopleSoft provides a number of tools such as `Verify PS Cfg` and `Verify PSSPI Com` which reside in the Tool Group `PSSPI Admin` and allow you to run checks to establish whether or not various aspects of the installation and configuration have completed successfully. For more information on which tools are available to assist in the verification procedure, see [“The PSoft-Admin-Unix Tool Group” on page 65](#) and [“The PSoft-Admin-Win Tool Group” on page 64](#).

PeopleSoft SPI Error Logging

The HP OpenView Smart Plug-In for PeopleSoft logs error information in a number of standard files. These PeopleSoft SPI error log files which can often contain information that is crucial to understanding and resolving problems reside in the following locations:

- OVO Server

`<OVOServerInstallDir>/psspi/log/psspi.log`

- OVO Mgd Node

`<OVOAgentInstallDir>/psspi/log/psspi.log`

The OVO managed node in this context is the PeopleSoft system you are managing with the PeopleSoft SPI.

It is also useful to check the standard OVO error-log file for information:

`<OVOAgentInstallDir>/log/OpC/opcerrror`

PeopleSoft SPI Tracing

The HP OpenView Smart Plug-In for PeopleSoft uses perl scripts for monitors and application startup. All perl scripts create trace information, provided this is configured in the PeopleSoft SPI configuration file. By default, the tracing is switched *off* by the HP OpenView Smart Plug-In for PeopleSoft.

To generate information on the working of the PeopleSoft SPI, enable tracing by running the PSSPI Trace On tool in the PSSPI-Admin-Win/Unix tool group. Tracing output is written to the following files:

- OVO Server

`<OVOServerInstallDir>/psspi/log/psspi.trc`

- OVO Mgd Node

`<OVOAgentInstallDir/psspi/log/psspi.trc`

The OVO managed node in this context is the PeopleSoft system you are managing with the PeopleSoft SPI.

Once you have configured what you want to appear in the trace file, you can switch the tracing on or off using the PSSPI Trace On and PSSPI Trace Off tools in the PSSPI-Admin-Win/Unix tool group.

NOTE

If tracing has been enabled but the name of the trace file cannot be determined for some reason, then the SPI uses a panic log file `/PSSPI_Panic.log`.

The following trace-related variables can be defined in the configuration file:

Table 6-1 **Trace Variables**

Variable Name	Permitted Values	Description
TRACE_LEVEL	0-9	Determines the amount of trace information written. The higher the level, the more trace information is generated. Default is: 0 (tracing off). Note that zero and non-zero are the <i>only</i> values that are currently supported.

Entries in the trace file, `psspi.trc`, appear in the following format:

`<mm/dd/yyyy> <hh:mm:ss> PSSPI(<program name>-<pid>): <text>`

[Table 6-2 on page 114](#) lists and describes the various fields.

Table 6-2 **Trace-File Fields**

Field Name	Description
<code><mm/dd/yyyy></code>	Date when the entry is created
<code><hh:mm:ss></code>	Time when the entry is created
<code><program name></code>	Name of program (script, executable) responsible for the entry
<code><pid></code>	PID of program responsible for the entry
<code><text></code>	Detailed information on problem

A PeopleSoft SPI File Names

This section describes which files are installed by the HP OpenView Smart Plug-In for PeopleSoft and where exactly they are located after the installation and configuration of the product has been completed successfully.

In this Section

This section describes which files are installed by the HP OpenView Smart Plug-In for PeopleSoft and where exactly they are located after the installation and configuration of the product has been completed successfully. In this section you will find information concerning:

- “Files on the Management Server”
- “Files on the Managed Nodes”
- “PeopleSoft Configuration Files”

Files on the Management Server

The PeopleSoft SPI exists as an MSI bundle and must be installed on the OVO management server. Note that this is usually done with the HP OpenView SPI Installer program. Control scripts perform a number of customization procedures during installation and, in addition, create the directories listed in [Table A-1 on page 117](#):

Table A-1 **PeopleSoft SPI File Locations on the OVO Management Server**

Description	Location ^a
SPI binary files	./psspi/bin
SPI temporary and runtime files	./psspi/tmp
SPI log files	./psspi/log
SPI configuration files	./psspi/conf
OVO policies	./install/psspi

Table A-1 **PeopleSoft SPI File Locations on the OVO Management Server**

Description	Location ^a
Instrumentation packages for managed nodes	all relative to ./Instrumentation ./AIX/4.3.1/psspi ./AIX/4.3.2/psspi ./AIX/4.3.3/psspi ./AIX/5L 5.1/psspi ./AIX/5L 5.2/psspi ./Windows 2000/5.0/psspi ./HPUX/B.10.20/psspi ./HPUX/B.11.00/psspi ./HPUX/B.11.11/psspi ./LINUX/Red Hat 7.X/psspi ./LINUX/Red Hat 8.X/psspi ./LINUX/SuSE 7.X/psspi ./LINUX/Turbo 6.X/psspi ./Solaris/7/psspi ./Solaris/8/psspi ./Solaris/9/psspi ./Windows 2000/5.0/PSSPI ./Windows Server 2003/5.2/PSSPI

a. All files relative to the OVO Server Installation directory

Files on the Managed Nodes

After installing the HP OpenView Smart Plug-In for PeopleSoft on the OVO Management Server and deploying the instrumentation to the PeopleSoft systems (which become, as a result, OVO managed nodes), the components listed in [Table A-2 on page 119](#) will reside on the managed node:

Table A-2 **PeopleSoft SPI File Locations on the OVO Managed Nodes**

Description	Location ^a	Created By
SPI binary files	./bin/instrumentation	OVO agent
SPI temporary and runtime files	./psspi/tmp	PeopleSoft SPI
SPI log files	./psspi/log	PeopleSoft SPI
SPI configuration files	./psspi/conf	PeopleSoft SPI

a. All files relative to the OVO agent installation directory

PeopleSoft Configuration Files

This section describes three important PeopleSoft SPI configuration files, namely:

- [“The psspi.cfg Configuration File” on page 120](#)
- [“The psspi.disc Configuration File” on page 121](#)
- [“The ps.cfg Configuration File” on page 129](#)

Each of these three configuration files is described in greater detail in the following sections.

The psspi.cfg Configuration File

The configuration file `<OVOAgentInstallDir>/psspi/conf/psspi.cfg` can be used to control the overall behavior of PeopleSoft SPI components on the PeopleSoft system that is managed by OVO. The following example illustrates the contents of the `psspi.cfg` file:

Example A-1 The psspi.cfg File on OVO Managed Nodes

```
# OPC_WHAT_STRING="@(#)HP OpenView Operations Smart Plug-in
for PeopleSoft B.02.20"
#####
#
# File: psspi.cfg
# Description: PeopleSoft SPI configuration file.
# Language: Config
# Package: HP OpenView Smart Plug-In for PeopleSoft
#
# (c)Copyright 2003 Hewlett-Packard Company., All Rights
# Reserved.
#
#####

TRACE_LEVEL 2

#####
```


Each line consists of a key value pair separated by white spaces. The value consists of everything following the first white space(s) until the end of the line. Quoting is neither necessary nor allowed since quotes are used as part of the value itself. However, empty lines are allowed. Lines starting with a hash (#) sign are treated as comments. [Table A-3 on page 121](#) show which keys are supported in the `psspi.cfg` file:

Table A-3 Supported Keys in the psspi.cfg File

Key	Type	Value Range	Default Setting	Description
TRACE_LEVEL	integer	0 - 9	0	Trace level controls the amount of runtime tracing written by SPI processes. Current options are: <ul style="list-style-type: none"> • zero • non zero
COLLECTION	boolean	TRUE/ FALSE	TRUE	Enables/ disables the entire PeopleSoft SPI

The psspi.disc Configuration File

The PS Discovery tool writes its findings to the file `<OAgentInstallDir>/psspi/conf/psspi.disc`, which is sent back to the OVO management server by the tool PS Activate to be converted into the OVO service model.

The format of the `psspi.disc` file allows for convenient manual editing: such an action might be necessary if, for example, the discovery application fails for any reason and the database coordinates need to be entered separately, or if more than one database instance is discovered and not all the instances need to be monitored.

Note that if you modify the contents of the `psspi.disc` file on the managed node, you also have to activate the file again using the tool PS Activate.

On the OVO management server, individual discovery files are stored for each node in the following location:

`<OVServerInstallDir>/psspi/disc/<node_name>`

NOTE

The separator character in the `psspi.disc` file on Windows managed nodes is the semicolon, where on Unix managed nodes it's the "space" character.

The example below shows what kind of information is written to the `psspi.disc` file on a Windows managed node and what the format of the file contents is.

Example A-2 The psspi.disc File on Windows Managed Nodes

```
# OPC_WHAT_STRING="@(#)HP OpenView Smart Plug-in for PeopleSoft B.02.20"
#####
#
# File: psspi.disc
# Description: PeopleSoft SPI information base. Automatically
# generated by discovery process.
# Language: Config
# Package: HP OpenView SmartPlug-In for PeopleSoft
# (c)Copyright 2003 Hewlett-Packard Company., All Rights Reserved.
#
#####
#-----
# Global PeopleSoft-specific entries for this host.
#
# NOTE: These entries must correspond to the actual number of Tuxedo domains,
#       PeopleSoft process schedulers, bundled web servers, PeopleSoft
#       databases, PeopleSoft instances and file systems.
#
# OS_VERS      ... name of operating system and its version
# NUM_DOMAINS  ... number of entries in the section 'DOMAIN'
# NUM_PRCS     ... number of entries in the section 'PROC_SCHED'
# NUM_WEB_SRV  ... number of entries in the section 'WEB_SRV'
# NUM_PS_DBS   ... number of entries in the section 'PS_DB'
# NUM_PS_INST  ... number of entries in the section 'PS_INST'
# NUM_FS       ... number of entries in the section 'FILE_SYS'
#-----

OS_VERS Windows 5.2

NUM_DOMAINS;2
NUM_PRCS;1
NUM_WEB_SRV;0
NUM_PS_DBS;2
```

```

NUM_PS_INST;1
NUM_FS;4

#-----
# List of Tuxedo Domains used by PeopleSoft. Each entry has the following format:
# - Domain-Name PSoft-Database PSoft-DB-Type
#
# Domain-Name      ... name of the Tuxedo domain, i.e. the name of the directory
#                   in $PS_HOME/appserv for this domain
# PSoft-Database ... name of the PeopleSoft database for this domain
# PSoft-DB-Type    ... type of the database (e.g. ORACLE, MICROSOFT)
#
# NOTE: The 'PSoft-Database', i.e. the name of the PeopleSoft database is used
#        in section 'PS_DB' again. Thus, each 'PSoft-Database' listed in this
#        section 'DOMAIN' must correspond to an entry in section 'PS_DB'.
#-----
DOMAIN
tmltux;TM1PSDMO;MICROSFT;
pt700ora;PTDMO;MICROSFT;
END

#-----
# List of PeopleSoft Process Schedulers. Each entry has the following format:
# - Scheduler-Name PSoft-Database PSoft-DB-Type Log-Dir
#
# Scheduler-Name ... name of the process scheduler as listed for key
#                   'PracsServerName' in scheduler configuration file
# PSoft-Database ... name of the PeopleSoft database for this scheduler
# PSoft-DB-Type    ... type of the database (e.g. ORACLE, MICROSOFT)
# Log-Dir          ... Log directory for this process scheduler
#                   This is not the directory configured in the scheduler
#                   configuration file, but the directory really used for the
#                   scheduler logs (e.g. TUXLOG_<date>, SCHDLR_<date>.LOG).
#
# NOTE: The 'PSoft-Database', i.e. the name of the PeopleSoft database is used
#        in section 'PS_DB' again. Thus, each 'PSoft-Database' listed in this
#        section 'PROC_SCHED' must correspond to an entry in section 'PS_DB'.
#-----
PROC_SCHED
PSUNX;TM1PSDMO;MICROSFT;C:\PT842\appserv\prcs\TM1PSDMO\LOGS;
PSUNX;PTDMO;MICROSFT;C:\PT842\appserv\prcs\PTDMO\LOGS;
END

#-----
# List of PeopleSoft Databases. Each entry has the following format:
# - PSoft-Database PSoft-DB-Type PS_HOME PSoft-DB-Owner Ora-DB-Server

```

```

#
# PSoft-Database      ... name of the PeopleSoft database referenced from entries
#                      in sections 'PROC_SCHED' and 'DOMAIN'
# PSoft-DB-Type       ... type of the database (e.g. ORACLE, MICROSOFT)
# PS_HOME            ... home/installation directory for the PeopleSoft
#                      installation this database belongs to
# PSoft-DB-Owner      ... the owner of the PeopleTools tables in the database
# Ora-DB-Server       ... the name of the system where this Oracle DB is located
#
# NOTE: The 'PS_HOME' entry is used in section 'PS_INST' again. Thus, each
#       'PS_HOME' listed in this section 'PS_DB' must correspond to an entry
#       in section 'PS_INST'.
#-----
PS_DB
TM1PSDMO;MICROSOFT;C:\PT842;SYSADM;ramses.bbn.hp.com;
PTDMO;MICROSOFT;C:\PT842;SYSADM;ramses.bbn.hp.com;
END

#-----
# List of PeopleSoft installations as defined by PS_HOME. Each entry is
# represented by a single line having the following format:
# - PS_HOME PS_USER TUXDIR PS_VERSION
#
# PS_HOME      ... home/installation directory for this PeopleSoft installation
# PS_USER      ... installation user for this PeopleSoft installation
#               (this Unix id is used to execute the PeopleSoft/Tuxedo
#               supplied commands and scripts)
# TUXDIR       ... the Tuxedo installation directory
# PS_VERSION   ... the PeopleTools version of this PeopleSoft installation
#-----
PS_INST
C:\PT842;psoft;C:\tuxedo;8.42;
END

#-----
# List of PeopleSoft bundled web servers as defined by PS_HOME. Each entry is
# represented by a single line having the following format:
# - WEBSRV_HOME TYPE
# - where TYPE is one of { APACHE }
#
# WEBSRV_HOME  ... the home/installation directory of this web server
# TYPE         ... may only be 'APACHE'
#
# NOTE: Only the web servers bundled with PeopleTools are supported in this
#       section, i.e. Apache for PT 8.1. Other web application servers have
#       to be addressed with optional SPI's.

```

```
#-----
WEB_SRV
END

#-----
# List of File systems. The only entry has the following format:
# Mount-point ...
#-----
FILE_SYS
C: D:
END
#####
```

The example below shows what kind of information is written to the psspi.disc file on a Unix managed node and what the format of the file contents is.

Example A-3 The psspi.disc File on UNIX Managed Nodes

```
# OPC_WHAT_STRING="@(#)HP OpenView Smart Plug-in for PeopleSoft A.02.20"

#####
#
# File: psspi.disc
# Description: PeopleSoft SPI information base. Automatically
# generated by discovery process.
# Language: Config
# Package: HP OpenView SmartPlug-In for PeopleSoft
# (c)Copyright 1999 Hewlett-Packard Company., All Rights Reserved.
#
#####
#-----
# Global PeopleSoft-specific entries for this host.
#
# NOTE: These entries must correspond to the actual number of Tuxedo domains,
# PeopleSoft process schedulers, bundled web servers, PeopleSoft
# databases, PeopleSoft instances and file systems.
#
# OS_VERS ... name of operating system and its version
# (uname -s, uname -r)
# NUM_DOMAINS ... number of entries in the section 'DOMAIN'
# NUM_PRCS ... number of entries in the section 'PROC_SCHED'
# NUM_WEB_SRV ... number of entries in the section 'WEB_SRV'
# NUM_PS_DBS ... number of entries in the section 'PS_DB'
# NUM_PS_INST ... number of entries in the section 'PS_INST'
# NUM_FS ... number of entries in the section 'FILE_SYS'
```

PeopleSoft SPI File Names

PeopleSoft Configuration Files

```
#-----
OS_VERS HP-UX B.11.00
NUM_DOMAINS 2
NUM_PRCS 1
NUM_WEB_SRV 0
NUM_PS_DBS 2
NUM_PS_INST 1
NUM_FS 4
#-----
# List of Tuxedo Domains used by PeopleSoft. Each entry has the following format:
# - Domain-Name PSoft-Database PS-DB-User PS-DB-Password
#
# Domain-Name ... name of the Tuxedo domain, i.e. the name of the directory
# in $PS_HOME/appserv for this domain
# PSoft-Database ... name of the PeopleSoft database for this domain
# PS-DB-User ... not used
# PS-DB-Password ... not used
#
# NOTE: The 'PSoft-Database', i.e. the name of the PeopleSoft database is used
# in section 'PS_DB' again. Thus, each 'PSoft-Database' listed in this
# section 'DOMAIN' must correspond to an entry in section 'PS_DB'.
#-----
DOMAIN
tmltux TM1PSDMO not-used not-used
pt700ora PTDMO not-used not-used
END
#-----
# List of PeopleSoft Process Schedulers. Each entry has the following format:
# - Scheduler-Name PSoft-Database PS-DB-User PS-DB-Password Log-Dir
#
# Scheduler-Name ... name of the process scheduler as listed for key
# 'PrcsServerName' in scheduler configuration file
# PSoft-Database ... name of the PeopleSoft database for this scheduler
# PS-DB-User ... not used
# PS-DB-Password ... not used
# Log-Dir ... Log directory for this process scheduler
# This is not the directory configured in the scheduler
# configuration file, but the directory really used for the
# scheduler logs (e.g. TUXLOG_<date>, SCHDLR_<date>.LOG).
#
# NOTE: The 'PSoft-Database', i.e. the name of the PeopleSoft database is used
# in section 'PS_DB' again. Thus, each 'PSoft-Database' listed in this
# section 'PROC_SCHED' must correspond to an entry in section 'PS_DB'.
#
# NOTE: If encrypted password are used for the PeopleSoft application server,
# then the entry 'PSoft-DB-Owner' in section 'PS_DB' cannot be determined
```

```
# by the automatic discovery process. In this case, the owner has to be
# updated manually in the section 'PS_DB'.
#-----
PROC_SCHED
PSUNX TM1PSDMO not-used not-used /opt/PT/appserv/prcs/TM1PSDMO/LOGS
PSUNX PTDMO not-used not-used /opt/PT/appserv/prcs/PTDMO/LOGS
END
#-----
# List of PeopleSoft Databases. Each entry has the following format:
# - PSoft-Database PS_HOME Ora-DB-SID PSoft-DB-Owner Ora-Home Ora-DB-Server
#
# PSoft-Database ... name of the PeopleSoft database referenced from entries
# in sections 'PROC_SCHED' and 'DOMAIN'
# PS_HOME ... home/installation directory for the PeopleSoft
# installation this database belongs to
# Ora-DB-SID ... the Oracle SID for this database
# PSoft-DB-Owner ... the owner of the PeopleTools tables in the database
# Ora-Home ... the ORACLE_HOME directory of this database
# Ora-DB-Server ... the name of the system where this Oracle DB is located
# DB Type ... ORACLE or DB2
#
# NOTE: The 'PS_HOME' entry is used in section 'PS_INST' again. Thus, each
# 'PS_HOME' listed in this section 'PS_DB' must correspond to an entry
# in section 'PS_INST'.
#
# NOTE: If the Oracle SID cannot be determined (e.g. no 'SID' entry in
# 'tnsnames.ora', then this SID has to be updated manually in section
# PS_DB. This is the same value as configured in the DBSPI connection
# setup.
#-----
PS_DB
TM1PSDMO /opt/psoft tmdmo SYSADM1 /opt/oracle/product/7.3.4 ps.hp.com ORACLE
PTDMO /opt/psoft hdmo SYSADM /opt/oracle/product/7.3.4 ps.hp.com ORACLE
END
#-----
# List of PeopleSoft installations as defined by PS_HOME. Each entry is
# represented by a single line having the following format:
# - PS_HOME PS_USER TUXDIR PS_VERSION
#
# PS_HOME ... home/installation directory for this PeopleSoft installation
# PS_USER ... installation user for this PeopleSoft installation
# (this Unix id is used to execute the PeopleSoft/Tuxedo
# supplied commands and scripts)
# TUXDIR ... the Tuxedo installation directory
# PS_VERSION ... the PeopleTools version of this PeopleSoft installation
#-----
```

PeopleSoft SPI File Names

PeopleSoft Configuration Files

```
PS_INST
/opt/psoft psoft /opt/tuxedo 8.42
END
#-----
# List of PeopleSoft bundled web servers as defined by PS_HOME. Each entry is
# represented by a single line having the following format:
# - WEBSRV_HOME TYPE
# - where TYPE is one of { APACHE }
#
# WEBSRV_HOME ... the home/installation directory of this web server
# TYPE ... may only be 'APACHE'
#
# NOTE: Only the web servers bundled with PeopleTools are supported in this
# section, i.e. Apache for PT 8.1. Other web application servers have
# to be addressed with optional SPI's.
#-----
WEB_SRV
END
#-----
# List of File systems. The only entry has the following format:
# Mount-point ...
#-----
FILE_SYS
/opc_db /psdb /stand /psdb/tmdmo
END
#####
```

Multiple process schedulers accessing the *same* PeopleSoft database are *not* recognized: multiple process schedulers accessing *different* databases are supported.

NOTE

If the discovery mechanism is restarted, the previously stored information base is backed up to the file `psspi.disc.bak.<PID>` and then the `psspi.disc` is overwritten.

PeopleSoft allows the creation of multiple independent installations on one system - for example, different versions for testing purposes. However, this results in multiple *PS_HOME* residing in directories adhering to a standard PeopleSoft structure but which typically are not associated with separate user accounts. Although, the discovery mechanism and the configuration-file syntax within the PeopleSoft SPI

both support the existence of multiple PeopleSoft installations on one system (i.e. multiple *PS_HOME* directories or users), the normal discovery mechanism will not always be able to find them automatically.

To enable the discovery of multiple *PS_HOMES* as well as any other PeopleSoft components in such environments, the PS Discovery application accepts additional options which allow you to narrow the search down to those places where a PeopleSoft installation might usually be found. These options can be specified in the *Parameters* field in the OVO tool launch window.

In the example below, the discovery is instructed to evaluate all directories matching the pattern "C:\ps*" and "D:\ps*". Alternatively, you can instruct the discovery script to use a recursive *find* to search through one or more specified directories.

For example:

```
-o "--find c:\ps*" <node name>"
```

Other options include:

```
-h(elp), -?    Display some help instructions
```

The PS Analyze tool which resides in the PSSPI-Admin-Win tool group uses a command to analyze the components discovered on the PeopleSoft system. The same command is called automatically after the successful completion of the discovery mechanism and shows which role a PeopleSoft system plays and which OVO monitoring components need to be assigned.

The ps.cfg Configuration File

The PS Activate tool reads the *psspi.disc* and copies its contents to the file *<OVAgentInstallDir>/psspi/conf/ps.cfg*, which is evaluated on the managed node by the OVO policy and tool scripts and, in addition, sent back to the OVO management server to be converted into the OVO service model. The format of the *ps.cfg* file is the same as the *psspi.disc* file. If the PS Activate tool is run subsequently, the old configuration is backed up to the file:

```
<OVAgentDir>/sspi/conf/ps.cfg.<PID>
```

NOTE

After you have activated the configuration, you can run the Verify PS Cfg tool in the PSSPI Admin tool group to make sure that the configuration is consistent and reflects the instance or instances present on the PeopleSoft server.

B PeopleSoft SPI Components

This section describes which components are installed by the HP OpenView Smart Plug-In for PeopleSoft and provides detailed reference material, which aims to help you understand how the various components work and interact with each other.

In this Section

This section describes which components are installed by the HP OpenView Smart Plug-In for PeopleSoft and provides detailed reference material, which aims to help you understand how the various components work and interact with each other. In this section you will find information concerning:

- “Policies”
- “Tools and Tool Groups”

Policies

All policies meant for Windows managed nodes have the *prefix* PSSPI-Win_, the policies meant for Unix managed nodes have the prefix PSSPI-. Consequently, the name of the template APPSRV appears in the GUI as PSSPI-Win_APPSRV and PSSPI-APPSRV. The same rule applies to all policy conditions, too. However, policy conditions have a suffix which indicates both the version number *and* the condition number. For example, PSSPI-Win_TMIB-002.1.1 for version one of the first condition in the template, PSSPI-Win_TMIB-002.

Many log-file and monitor policies operate by default on multiple PeopleSoft or Tuxedo instances, which are all found during the discovery process. However, it is possible to limit the operational scope of a given template by passing the list of instances which are of interest to you to the script, which the policy executes. If you do not explicitly declare any instances, the script assumes it has to monitor all discovered instances. To modify the PSSPI-Win_TMIB-Col-05min_1 policy to monitor one domain, the monitor script should be changed to look like the following example, where *<domain_name>* is the name of the domain you want to monitor:

```
perl -S psspi_tmib.pl PSSPI-Win_TMIB-Col-05min_1 1-10 \  
<domain name>
```

The following sections list the scripts used by the policies available in the HP OpenView Smart Plug-In for PeopleSoft:

- [“The Policy repository” on page 133](#)
- [“Log-File Discovery Scripts” on page 137](#)
- [“Monitor Scripts” on page 139](#)
- [“Using OpenView Performance Agent” on page 140](#)

The Policy repository

[Table B-1 on page 134](#) lists *all* the policies provided with the HP OpenView Smart Plug-In for PeopleSoft in alphabetical order.

If a policy name starts with PSSPI-Win_, then it's meant for Windows managed nodes: if the prefix is only PSSPI-, then it's a policy for Unix managed nodes.

Table B-1 All PSSPI Policies

Policy Name	Policy Type	Description
PSSPI-AppSrvLogSize PSSPI-Win_AppSrvLogSize	Monitor	Monitors the application-server log directory for the amount of disk space consumed by the APPSRV.LOG and TUXLOG.<date> files
PSSPI-AppSrvCfgFiles PSSPI-Win_AppSrvCfgFiles	Logfile	Monitors changes to the application-server configuration file, psappsrv.cfg
PSSPI-AppSrvLogFiles PSSPI-Win_AppSrvLogFiles	Logfile	Monitors the application-server log file, APPSRV.LOG, for each PS domain
PSSPI-DBSPI-Messages PSSPI-Win_DBSPI-Messages	Message	Intercepts messages from the DBSPI programs
PSSPI-DB-Col-05min PSSPI-Win_OraDB-Col-05min PSSPI-Win_MSSDB-Col-05min	Monitor	Runs the DBSPI collector process (via psspi_dbcax) to gather DB metrics every <intv> minutes. In this case <i>intv</i> = 5 mins. Note that there may be multiple templates with different <intv>. Actual data processing is done in monitors PSSPI-Win_DBSPI-<metric>
PSSPI-DBSPI-0006 PSSPI-Win_DBSPI-0006	Monitor	Monitors the number of table spaces with low free space (TblSpaceFreePctCnt) (Oracle only)
PSSPI-DBSPI-0011 PSSPI-Win_DBSPI-0011	Monitor	Monitors the number of fragmented table spaces (TblSpaceFragmentCnt) (Oracle only)

Table B-1 All PSSPI Policies (Continued)

Policy Name	Policy Type	Description
PSSPI-DBSPI-0791 PSSPI-Win_DBSPI-0791 PSSPI-Win_DBSPI-3791	Monitor	Number of employees in the PeopleSoft database. Metric 0791 is for Oracle, 3791 for MSS DB.
PSSPI-DBSPI-0792 PSSPI-Win_DBSPI-0792 PSSPI-Win_DBSPI-3792	Monitor	Number of queue jobs. Metric 0792 is for Oracle, 3792 for MSS DB.
PSSPI-DBSPI-0793 PSSPI-Win_DBSPI-0793	Monitor	Number of 2-tier client connections: i.e. the number of clients working in 2-tier mode (Oracle only)
PSSPI-Win_DBSPI-3793	Monitor	Number of database connections. (MSS only)
PSSPI-FileSys PSSPI-Win_FileSys	Monitor	Monitors the PeopleSoft file-system space
PSSPI-PrCsJobTab PSSPI-Win_PrCsJobTab	Monitor	Checks the process-scheduler table and the job-table entries
PSSPI-PrCsLogDirs PSSPI-Win_PrCsLogDirs	Logfile	Monitors the PeopleSoft, process-scheduler log directories. Checks for new log files and switches the actual log file
PSSPI-PrCsLogDirs PSSPI-Win_PrCsLogDirs	Logfile	Monitors the PeopleSoft process-scheduler log files.
PSSPI-PrCsLogSize PSSPI-Win_PrCsLogSize	Monitor	Monitors the size of the process-scheduler log directory and the disk space consumed by the process scheduler log files.

Table B-1 All PSSPI Policies (Continued)

Policy Name	Policy Type	Description
PSSPI-PracsMon PSSPI-Win_PracsMon	Monitor	Monitors the existence of the process-scheduler process.
PSSPI-WebLogFiles PSSPI-Win_WebLogFiles	Logfile	Monitors the Apache log file (for PeopleSoft 8)
PSSPI-WebMon PSSPI-Win_WebMon	Monitor	Monitors the existence of the main Apache web server (for PeopleSoft 8)
PSSPI-PSSPI-Messages PSSPI-Win_PSSPI-Messages	Message	Intercepts messages from the PeopleSoft SPI programs
PSSPI-TMIB-001_1 PSSPI-Win_TMIB-001_1	Monitor	Monitors the status of the Tuxedo domains of a PeopleSoft application server
PSSPI-TMIB-002_1 PSSPI-Win_TMIB-002_1	Monitor	Monitors the status of the Tuxedo machine
PSSPI-TMIB-003_1 PSSPI-Win_TMIB-003_1	Monitor	Monitors the status of the Tuxedo server group: APPSRV
PSSPI-TMIB-004_1 PSSPI-Win_TMIB-004_1	Monitor	Monitors the status of the Tuxedo server group: BASE
PSSPI-TMIB-005_1 PSSPI-Win_TMIB-005_1	Monitor	Monitors the actual number of APPSRV server processes and compares the it with TA_MIN
PSSPI-TMIB-006_1 PSSPI-Win_TMIB-006_1	Monitor	Monitors the actual number of APPSRV server processes and compares it with TA_MAX
PSSPI-TMIB-007_1 PSSPI-Win_TMIB-007_1	Monitor	Monitors the generation number TA_MAXGEN - TA_GENERATION

Table B-1 All PSSPI Policies (Continued)

Policy Name	Policy Type	Description
PSSPI-TMIB-008_1 PSSPI-Win_TMIB-008_1	Monitor	Monitors the actual (absolute) number of APPSRV processes.
PSSPI-TMIB-Col-05min_1 ^a PSSPI-TMIB-Col-05min_2 PSSPI-Win_TMIB-Col-05min_1 ^b PSSPI-Win_TMIB-Col-05min_2	Monitor	Runs the TMIB collector process to gather Tuxedo metrics every <i><intv></i> minutes. In this case <i>intv</i> = 5 mins. Note that there may be multiple templates with different <i><intv></i> . Actual data processing is done in monitors TMIB- <i><metric></i> . The first monitor checks additionally for Tuxedo domains currently down, the second monitor checks for Tuxedo domains currently up.
PSSPI-TUXLogDirs PSSPI-Win_TUXLogDirs	Logfile	Monitors the PeopleSoft domain log directories for new TUXLOG files.
PSSPI-TUXLogFiles PSSPI-Win_TUXLogFiles	Logfile	Monitors the TUXLOG. <i><date></i> log files for each PeopleSoft domain
PSSPI-WorkList PSSPI-Win_WorkList	Monitor	Checks the PeopleSoft work-list table

- a. If you want to split the collector monitor into multiple monitors each of which is configured to run at different intervals, make sure that only *one* of the monitors is configured to feed the Performance agent. For more information, see [“Monitor Scripts” on page 139](#).
- b. If you want to split the collector monitor into multiple monitors each of which is configured to run at different intervals, make sure that only *one* of the monitors is configured to feed the Performance agent. For more information, see [“Monitor Scripts” on page 139](#).

Log-File Discovery Scripts

Since TUXEDO and the PeopleSoft process scheduler periodically switch to new log-file instances, it is not possible to create a log-file policy with a static log file path. Consequently, the log-file discovery feature is used to

execute a discovery script at start up and configuration of the OVO log-file encapsulator. The log-file discovery feature returns a list of actual log-file paths. [Table B-2 on page 138](#) lists the scripts used by the log-file discovery feature.

The scripts which have names ending in .pl are Perl scripts: these scripts are meant for Windows managed nodes. Scripts which have the extension .sh or no extension at all are meant for Unix managed nodes.

Table B-2 Log-File Discovery Scripts

Script Name	Used by...	Description
psspi_swlog psspi_swlog.pl	TuxLogDirs	Returns PeopleSoft log directories as monitored objects to allow the detection of new log files by the OVO log-file encapsulator.
psspi_psswlg psspi_psswlg.pl	PrCsLogDirs	Same as psspi_swlog.pl above, but for the process-scheduler log files
psspi_appsv psspi_appsv.pl	APPSRV	Returns the names of symbolically linked application-server log files (APPSRV.<date>): two for each domain, linked as /APPSRV.[01]/<domain>.
psspi_tuxlg psspi_tuxlg.pl	TuxLogFiles	Returns the names of symbolically linked application-server log files (TUXLOG.<date>): two for each domain, linked as /TUXLOG.[01]/<domain>.
psspi_pslogs psspi_pslogs.pl	PrCsLogFiles	Returns the names of symbolically linked process-scheduler log files (PROCS*): two for each PeopleSoft database, linked as /PROCS.[0 1]/<PS-DB>
psspi_websrv psspi_webmon.pl	WebLogFiles	Returns the names of log files for configured Apache web servers (PeopleSoft 8)

Monitor Scripts

OVO process monitors require shell scripts or programs in order to perform the desired monitoring. [Table B-3 on page 139](#) lists the scripts used by the PeopleSoft SPI monitors.

The PeopleSoft SPI monitor scripts (in conjunction with the corresponding OVO monitor policies) use the object-monitoring feature. This means that the information pertaining to which objects (file systems, etc.) are to be monitored resides in the scripts themselves. By default, there is only *one* policy condition for *all* instances. If a finer granularity is desired, you can create conditions for single instances.

If you want to split the collector monitor into multiple monitors each of which is configured to run at different intervals, make sure that only one of the monitors is configured to feed the Performance agent. By default, the Performance agent integration is configured to run the collection every 5 minutes; if you change the interval make sure the value of the modified interval matches the value declared in the DDF specification. In addition, all other collector templates should specify the `-no_dsi` option as an argument to the `psspi_tmib.pl/psspi_tmib` collector script.

The scripts which have names ending in `.pl` are Perl scripts. These scripts are meant for Windows managed nodes. As usual, compiled programs with extension `.exe` are meant for Windows managed nodes. Scripts which have the extension `.sh` or no extension at all are meant for Unix managed nodes.

Table B-3 Monitor Scripts

Script Name	Used by...	Description
psspi_fsmon psspi_fsmon.pl	FileSys	Monitors actual usage of local file systems and passes values to the OVO monitor agent and, if configured, to Performance agent.
psspi_pmon psspi_pmon.pl	PrCsMon	Monitors all process-scheduler processes and passes the values to the OVO monitor agent and, if configured, to Performance agent .

Table B-3 Monitor Scripts (Continued)

Script Name	Used by...	Description
psspi_websrv psspi_webmon.pl	WebMon	Monitors the existence of the bundled Apache web server for PeopleSoft 8.
psspi_prccs psspi_prccs.pl	PrccsJobTable	Monitors the process schedulers job table
psspi_tmib psspi_tuxcoa.65 psspi_tuxcoa.81 psspi_tmib.pl psspi_tuxcoa.65.exe psspi_tuxcoa.81.exe	TMIB-Col-<intv>	TMIB Collector: called with metric IDs in parameter list to evaluate the metrics of TMIB objects. The programs with extension .81/.81.exe are meant for Tuxedo 8.1, the programs with extension .65/.65.exe are meant for Tuxedo 6.5.
psspi_dbcao psspi_dbcax.pl	DB-Col-<intv>	DB Collector: called with metric IDs in parameter list to evaluate the metrics of DBMS and PeopleSoft-specific DBs.
psspi_wrklst psspi_wrklst.pl	Worklist	Monitors the worklist tables.

Using OpenView Performance Agent

The OVO monitors provided with the HP OpenView Smart Plug-In for PeopleSoft can feed the data they collect directly into OpenView Performance Agent or OpenView Performance subagent using the Data Source Integration. The PeopleSoft SPI has a pre-defined DSI-specification file, which is activated using the PS Activate application. Running the PS Activate application registers the parameters defined in the specification file with the Performance agent (if installed) and, in the process, creates a DSI registration file. If the OVO monitors detect that the DSI command file ddflg is present and executable, they automatically attempt to feed the collected data to the DSI.

NOTE

If the name of a Tuxedo domain contains any special characters other than letters, numbers, and the underscore (_), the DSI integration will fail.

Graphs which show the performance data collected by the PeopleSoft SPI may be specified manually using the embedded graphing component of the OVO console.

Tools and Tool Groups

This section provides more detailed information concerning how the PeopleSoft SPI tools work. The tables in the sections that follow show which utilities are called by the various tools. You can find information about the following tools:

- [“The PSSPI-Admin-Win Tool Group” on page 142](#)
- [“The PSSPI-Admin-Unix Tool Group” on page 144](#)
- [“The PSoft-Admin-Win Tool Group” on page 145](#)
- [“The PSoft-Admin-Unix Tool Group” on page 145](#)
- [“The PSoft-Oper-Win Tool Group” on page 146](#)
- [“The PSoft-Oper-Unix Tool Group” on page 147](#)
- [“The PSoft-Reports-Win Tool Group” on page 148](#)
- [“The PSoft-Reports-Unix Tool Group” on page 150](#)

For a command reference of the functions used by the PeopleSoft SPI tools, see [Appendix C, “PeopleSoft SPI Commands,” on page 153](#). Note that the commands `psspi_spicl.pl/psspi_spicl`, `psspi_tmcl.pl/psspi_tmcl`, and `psspi_pspt.pl/psspi_pspt` accept an optional parameter, `-q`, in the application call. The `-q` is ignored in this version of the SPI.

The PSSPI-Admin-Win Tool Group

[Table B-4 on page 142](#) lists in alphabetical order the various applications in the PSSPI-Admin-Win tool group and indicates which function is called by each application. This group contains tools which can be applied to Windows managed nodes.

Table B-4

PSSPI-Admin-Win Tool Calls

Tool Name	Function Called
Activate PS Services	<code>psspi_actsvc.pl</code>
Build PS Services	<code>psspi_bldsvc.pl</code>

Table B-4 PSSPI-Admin-Win Tool Calls (Continued)

Tool Name	Function Called
PS Activate	psspi_act.pl
PS Analyze	psspi_ana.pl
PS Discovery	psspi_disc.pl
PSSPI Cleanup	psspi_cleanup.pl
PSSPI Off	psspi_spicl.pl setcfg COLLECTION FALSE
PSSPI On	psspi_spicl.pl setcfg COLLECTION TRUE
PSSPI Trace Off	psspi_spicl.pl setcfg TRACE_LEVEL 0
PSSPI Trace On	psspi_spicl.pl setcfg TRACE_LEVEL 2
Verify PS Cfg	psspi_verify.pl -d
Verify PS Com	psspi_verify.pl -c
Verify PS Node	psspi_verify.pl -n
Verify PS Srv	psspi_verify.pl -s
View PSSPI Cfg	psspi_spicl.pl spicfg -d
View PS Cfg	psspi_spicl.pl pscfg -d
View PSSPI Error	psspi_spicl.pl spilog
View PSSPI Trace	psspi_spicl.pl spitrc

The PSSPI-Admin-Unix Tool Group

Table B-4 on page 142 lists in alphabetical order the various applications in the PSSPI-Admin-Unix tool group and indicates which function is called by each application. This group contains tools which can be applied to Unix managed nodes.

Table B-5 PSSPI-Admin-Unix Tool Calls

Tool Name	Function Called
PS Activate	psspi_ract_ux.sh
PS Discovery	psspi_disc_ux.sh
PSSPI Cleanup	psspi_clean
PSSPI Off	psspi_spicl setcfg COLLECTION FALSE
PSSPI On	psspi_spicl setcfg COLLECTION TRUE
PSSPI Trace Off	psspi_spicl setcfg TRACE_LEVEL 0
PSSPI Trace On	psspi_spicl setcfg TRACE_LEVEL 2
Verify PS Cfg	psspi_vrfy -d
Verify PS Com	psspi_vrfy -c
Verify PS Node	psspi_vrfy -n
Verify PS Srv	psspi_vrfy -s
View PSSPI Cfg	psspi_spicl spicfg -d
View PS Cfg	psspi_spicl pscfg -d
View PSSPI Error	psspi_spicl spilog
View PSSPI Trace	psspi_spicl spitrc

The PSoft-Admin-Win Tool Group

Table B-6 on page 145 lists in alphabetical order the various applications in the PSoft-Admin-Win tool group, indicates which function is called by each tool, and shows and which PeopleSoft interface is used. This group contains tools which can be applied to Windows managed nodes.

Table B-6 **PSoft-Admin-Win Tool Calls**

Tool Name	Function Called	PeopleSoft (PS) Interface
Unload TX Conf	psspi_tmcl.pl tmunloadc -f	tmunloadcf
View PRCS Config	psspi_pspt.pl viewcfg	n/a

The PSoft-Admin-Unix Tool Group

Table B-6 on page 145 lists in alphabetical order the various applications in the PSoft-Admin-Unix tool group, indicates which function is called by each tool, and shows and which PeopleSoft interface is used. This group contains tools which can be applied to Unix managed nodes.

Table B-7 **PSoft-Admin-Unix Tool Calls**

Tool Name	Function Called	PeopleSoft (PS) Interface
Unload TX Conf	psspi_tmcl tmunloadc -f	tmunloadcf
View PRCS Config	psspi_pspt viewcfg	n/a

The PSoft-Oper-Win Tool Group

Table B-8 on page 146 lists in alphabetical order the various tools in the PSoft-Oper-Win tool group, describes briefly how the individual tool works, and indicates which function is called by each tool and which PeopleSoft interface is used. This group contains tools which can be applied to Windows managed nodes.

Table B-8 PSoft-Oper-Win Tool Calls

Tool Name	Function Called	PeopleSoft (PS) Interface
Boot Adm Servers	psspi_tmcl.pl tmboot -a -A	tmboot -A
Boot Appl Servers	psspi_tmcl.pl tmboot -a -S	tmboot -S
Boot All PS Domains	psspi_tmcl.pl tmboot -a	tmboot
Boot PS Domain	psspi_tmcl.pl tmboot -q -d	tmboot
File Systems	psspi_df.pl	n/a
Shutd. PS Domain	psspi_tmcl.pl tmshutdown -q -d	tmshutdown
Shutd. All PS	psspi_tmcl.pl tmshutdown -a	tmshutdown
Shutd. Adm Servers	psspi_tmcl.pl tmshutdown -a -A	tmshutdown -A
Shutd. Appl Servers	psspi_tmcl.pl tmshutdown -a -S	tmshutdown -S
Start Proc Sched	psspi_pspt.pl start -q -d	pspt -start
Start All Proc Scheds	psspi_pspt.pl start -a	pspt -start (PS 7.5)
Stop Proc Sched	psspi_pspt.pl stop -q -d	pspt -stop (PS 7.5) or -kill (PS 7)
Stop All Proc Scheds	psspi_pspt.pl stop -a	pspt -stop (PS 7.5) or -kill (PS 7)
View APPSRV.LOG	psspi_tmcl.pl viewlog -p	n/a
View TUXLOG	psspi_tmcl.pl viewlog -t	n/a
View PRCS Log	psspi_pspt.pl viewlog	n/a

The PSoft-Oper-Unix Tool Group

Table B-8 on page 146 lists in alphabetical order the various tools in the PSoft-Oper-Unix tool group, describes briefly how the individual tool works, and indicates which function is called by each tool and which PeopleSoft interface is used. This group contains tools which can be applied to Unix managed nodes.

Table B-9 PSoft-Oper-Unix Tool Calls

Tool Name	Function Called	PeopleSoft (PS) Interface
Boot Adm Servers	psspi_tmcl tmboot -a -A	tmboot -A
Boot Appl Servers	psspi_tmcl tmboot -a -S	tmboot -S
Boot All PS Domains	psspi_tmcl tmboot -a	tmboot
Boot PS Domain	psspi_tmcl tmboot -q -d	tmboot
File Systems	psspi_df	n/a
Shutd. PS Domain	psspi_tmcl tmshutdown -q -d	tmshutdown
Shutd. All PS	psspi_tmcl tmshutdown -a	tmshutdown
Shutd. Adm Servers	psspi_tmcl tmshutdown -a -A	tmshutdown -A
Shutd. Appl Servers	psspi_tmcl tmshutdown -a -S	tmshutdown -S
Start Proc Sched	psspi_pspt start -q -d	pspt -start
Start All Proc Scheds	psspi_pspt start -a	pspt -start (PS 7.5)
Stop Proc Sched	psspi_pspt stop -q -d	pspt -stop (PS 7.5) or -kill (PS 7)
Stop All Proc Scheds	psspi_pspt stop -a	pspt -stop (PS 7.5) or -kill (PS 7)
View APPSRV.LOG	psspi_tmcl viewlog -p	n/a
View TUXLOG	psspi_tmcl viewlog -t	n/a
View PRCS Log	psspi_pspt viewlog	n/a

The PSoft-Reports-Win Tool Group

Table B-10 on page 148 lists in alphabetical order the various applications in the PSoft-Reports-Win tool group, indicates which function is called by each tool, and shows which PeopleSoft interface is used. This group contains tools which can be applied to Windows managed nodes.

Table B-10 PSoft-Reports-Win Tools

Tool Name	Function Called	PS Interface
PS Status	psspi_tmcl.pl status -q	<multiple>
Proc Sched Status	psspi_pspt.pl status -a	pspt status
PS/TX Versions	psspi_inst.pl version -q -a	<multiple>
TX Client Status	psspi_tmcl.pl tadmin -I pclt	tadmin
TX Server Status	psspi_tmcl.pl tadmin -I psr	tadmin
TX Queue Status	psspi_tmcl tadmin.pl -I pq	tadmin
Oracle DB/PS 2-Tier Conn	psspi_dbpicax -report_on_all_DB -r 1 -m 703	<database>
Oracle DB/ PS Job Status	psspi_dbcax.pl -report_on_all_DB -r 2 -m 792	<multiple>
Oracle DB/ PS Worklist Status	psspi_dbcax.pl -report_on_all_DB -r 2 -m 795	<multiple>

Table B-10 PSoft-Reports-Win Tools (Continued)

Tool Name	Function Called	PS Interface
Oracle DB/Tblspace Files	psspi_dbcax.pl -report_on_all_DB -r 1 -m 8	<database>
Oracle DB/Tblspace Fragmnt	psspi_dbcax.pl -report_on_all_DB -r 1 -m 11	
Oracle DB/Tblspace Free	psspi_dbcax.pl -report_on_all_DB -r 1 -m 6	
Oracle DB/Tblspace Status	psspi_dbcax.pl -report_on_all_DB -r 1 -m 7	
MSS DB/PS Act. Con.	psspi_dbcax.pl -report_on_all_DB -r 1-m 3793	
MSS DB/PS Job Status	psspi_dbcax.pl -report_on_all_DB -r 2 -m 792	
MSS DB/PS Worklist Status	psspi_dbcax.pl -report_on_all_DB -r 2 -m 795	

The PSoft-Reports-Unix Tool Group

Table B-10 on page 148 lists in alphabetical order the various applications in the PSoft-Reports-Win tool group, indicates which function is called by each tool, and shows which PeopleSoft interface is used. This group contains tools which can be applied to Unix managed nodes.

Table B-11 PSoft-Reports-Unix Tools

Tool Name	Function Called	PS Interface
PS Status	psspi_tmcl status -q	<multiple>
Proc Sched Status	psspi_pspt status -a	pspt status
PS/TX Versions	psspi_inst version -q -a	<multiple>
TX Client Status	psspi_tmcl tmadmin -I pclt	tmadmin
TX Server Status	psspi_tmcl tmadmin -I psr	tmadmin
TX Queue Status	psspi_tmcl tmadmin -I pq	tmadmin
Oracle DB/PS 2-Tier Conn	psspi_dbpicax -r 1 -m 703	<database>
Oracle DB/PS Job Status	psspi_dbcao -report_on_all_DB -r 2 -m 792	<multiple>
Oracle DB/PS Worklist Status	psspi_dbcao -report_on_all_DB -r 2 -m 795	<multiple>

Table B-11 PSoft-Reports-Unix Tools (Continued)

Tool Name	Function Called	PS Interface
Oracle DB/Tblspace Files	psspi_dbcao -report_on_all_DB -r 1 -m 8	<database>
Oracle DB/Tblspace Fragmnt	psspi_dbcao -report_on_all_DB -r 1 -m 11	
Oracle DB/Tblspace Free	psspi_dbcao -report_on_all_DB -r 1 -m 6	
Oracle DB/Tblspace Status	psspi_dbcao -report_on_all_DB -r 1 -m 7	

C **PeopleSoft SPI Commands**

In this section you can find information relating to the functions used by the HP OpenView Smart Plug-In for PeopleSoft in tool calls. You can use these functions to create customized OVO tools.

In this Section

In this section you can find information relating to the functions used by the HP OpenView Smart Plug-In for PeopleSoft in tool calls. You can use these functions to create customized OVO tools. In this section you will find information concerning:

- [“The psspi_tmcl/psspi_tmcl.pl Command” on page 155](#)
- [“The psspi_pspt/psspi_pspt.pl Command” on page 157](#)
- [“The psspi_spicl/psspi_spicl.pl Command” on page 158](#)
- [“The psspi_inst/psspi_inst.pl Command” on page 159](#)

The psspi_tmcl/psspi_tmcl.pl Command

Starts domain-related command-line tools or domain-related tasks for PeopleSoft environments.

NAME	psspi_tmcl.pl (Windows) psspi_tmcl (Unix)
SYNOPSIS	<pre>psspi_tmcl.pl <i>command</i> [-a -d <i>domain1, domain2</i>] [<i>parameters</i>]</pre> <pre>psspi_tmcl.pl <i>command</i> [-h -?]</pre> <pre>psspi_tmcl <i>command</i> [-a -d <i>domain1, domain2</i>] [<i>parameters</i>]</pre> <pre>psspi_tmcl <i>command</i> [-h -?]</pre>

DESCRIPTION	<p>The command <code>psspi_tmcl</code> executes a domain-related Tuxedo command-line tool or other domain-related tasks as specified in <i>command</i>. Valid options for <i>command</i> are:</p>
-------------	---

- tmadmin
- tmconfig
- tmboot
- tmshutdown
- tmunloadcf
- viewlog
- domrestart

All necessary environment variables are set before the function invokes the tasks defined in *command*. All of the commands *require* domain. Domains can either be selected by users by means of entries in the Parameters field of a tool or they can be specified by means of a command-line option: -a(11) or -d(omain) *domain1, domain2*. Specified domains must be valid PeopleSoft domains. The -h option displays usage information and lists the options available with the function. Consequently, `psspi_tmcl.pl` can only be used in batch mode.

Additional optional parameters can be passed to the started Tuxedo command using *parameters*. However, these parameters are not checked by `psspi_tmcl.pl`: they are passed by *command* as is.

EXIT VALUES If an error occurs, the utility returns a non-zero return code.

The psspi_pspt/psspi_pspt.pl Command

Shell script to start tasks related to the PeopleSoft process-scheduler process.

NAME

psspi_pspt.pl (Windows)
psspi_pspt (Unix)

SYNOPSIS

```
psspi_pspt.pl command [-a | -d PSDB1, PSDB2]  
psspi_pspt.pl [-h | -?]  
psspi_pspt command [-a | -d PSDB1, PSDB2]  
psspi_pspt [-h | -?]
```

DESCRIPTION

The command executes tasks related to the PeopleSoft process scheduler process according to command parameter. Valid values for *command* are:

- start
- stop
- status
- viewcfg
- viewlog

All necessary environment variables are set before the script invokes *command*. All of the commands *require* PSDB, the PeopleSoft database name. The PeopleSoft database name can either be selected by users by means of entries in the Parameters field of a tool or specified by means of a command-line option: -a(11) or -d(omain) PSDB1, PSDB2. Specified databases must be valid PeopleSoft databases.

The -h option displays usage information and lists the options available with the function. Consequently, psspi_pspt .pl can only be used in batch mode.

EXIT VALUES

If an error occurs, the utility returns a non-zero return code.

The psspi_spicl/psspi_spicl.pl Command

Shell script to start tasks related to the PeopleSoft SPI.

NAME

psspi_spicl.pl (Windows)

psspi_spicl (Unix)

SYNOPSIS

psspi_spicl.pl *command parameters*

psspi_spicl.pl [-h | -?]

psspi_spicl *command parameters*

psspi_spicl [-h | -?]

DESCRIPTION

The command psspi_spicl.pl executes tasks related to the PeopleSoft SPI as specified in *command*. Valid options for *command* are:

- spitrc
- spilog
- pscfg -d(isplay)
- spicfg -d(isplay)

setcfg <LABEL> <VALUE>

The -h option displays usage information and lists the options available with the function. Consequently, psspi_pspt.pl can only be used in batch mode.

EXIT VALUES

If an error occurs, the utility returns a non-zero return code.

The psspi_inst/psspi_inst.pl Command

Starts tasks related to the PeopleSoft installation (defined by *PS_HOME*) for PeopleSoft environments.

NAME	<p>psspi_inst.pl (Windows)</p> <p>psspi_inst (Unix)</p>
SYNOPSIS	<p>psspi_inst.pl <i>command</i> [-a -p <i>PSinstallation1</i>, <i>PSinstallation2</i>] [<i>parameters</i>]</p> <p>psspi_inst.pl <i>command</i> [-h -?]</p> <p>psspi_inst <i>command</i> [-a -p <i>PSinstallation1</i>, <i>PSinstallation2</i>] [<i>parameters</i>]</p> <p>psspi_inst <i>command</i> [-h -?]</p>
DESCRIPTION	<p>The command <code>psspi_inst.pl</code> invokes a command line tool or generates information related to the PeopleSoft installation specified in <i>command</i>. Valid options for <i>command</i> are:</p> <ul style="list-style-type: none">• psadmin• ptcfg• version• status <p>All necessary environment variables are set before the function is executed. <i>All</i> of the commands require <i>PSinstallation</i>. PeopleSoft installations can either be selected by users by means of entries in the Parameters field of a tool or specified with a command-line option: -a(11) or -p(PeopleSoft installation) <i>psinstallation1</i>,<i>psinstallation2</i>. Specified installations must be valid PeopleSoft installations.</p> <p>Additional, optional parameters can be passed to the started command-line tool using <i>parameters</i>. However, these parameters are not checked by <code>psspi_inst..pl</code> they are passed by <i>command</i> as is. The -h option displays usage information and lists the options available with the function. Consequently, <code>psspi_pspt.pl</code> can only be used in batch mode.</p>

EXIT VALUES If an error occurs, the utility returns a non-zero return code.

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