
PT-INFRA Deployment Package Installation (PeopleSoft PeopleTools 8.60)

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About This Documentation

Understanding This Documentation

This documentation is designed to guide you through the deployment of the Oracle's PeopleSoft Deployment Packages. It is not a substitute for the documentation provided for PeopleSoft PeopleTools or PeopleSoft applications.

Typographical Conventions

To help you locate and understand information easily, the following conventions are used in this documentation:

Convention	Description
Monospace	Indicates a PeopleCode program or other code, such as scripts that you run during the install. Monospace is also used for messages that you may receive during the install process.
<i>Italics</i>	Indicates field values, emphasis, and book-length publication titles. Italics is also used to refer to words as words or letters as letters, as in the following example: Enter the letter <i>O</i>. Italics are also used to indicate user-supplied information. For example, the term <i>domain</i> is used as a placeholder for the actual domain name in the user's environment. When two such placeholders are used together, they may be set apart with angle brackets. For example, the path <code><PS_CFG_HOME>/appserv/<domain></code> includes two placeholders that require user-supplied information.
Initial Caps	Field names, commands, and processes are represented as they appear on the window, menu, or page.
lower case	File or directory names are represented in lower case, unless they appear otherwise on the interface.
Menu, Page	A comma (,) between menu and page references indicates that the page exists on the menu. For example, "Select Use, Process Definitions" indicates that you can select the Process Definitions page from the Use menu.

Convention	Description
Cross-references	Cross-references that begin with <i>See</i> refer you to additional documentation that will help you implement the task at hand. We highly recommend that you reference this documentation. Cross-references under the heading <i>See Also</i> refer you to additional documentation that has more information regarding the subject.
⇒ (line-continuation arrow)	A line-continuation arrow inserted at the end of a line of code indicates that the line of code has been wrapped at the page margin. The code should be viewed or entered as a continuous line of code, without the line-continuation arrow.
" " (quotation marks)	Indicate chapter titles in cross-references and words that are used differently from their intended meaning.
Note. Note text.	Text that begins with <i>Note.</i> indicates information that you should pay particular attention to as you work with your PeopleSoft system.
Important! Important note text.	A note that begins with <i>Important!</i> is crucial and includes information about what you need to do for the system to function properly.
Warning! Warning text.	A note that begins with <i>Warning!</i> contains critical configuration information or implementation considerations; for example, if there is a chance of losing or corrupting data. Pay close attention to warning messages.

Products

This documentation may refer to these products and product families:

- Oracle® Enterprise Manager
- Oracle® Tuxedo
- Oracle® WebLogic Server
- Oracle's PeopleSoft Application Designer
- Oracle's PeopleSoft Change Assistant
- Oracle's PeopleSoft Change Impact Analyzer
- Oracle's PeopleSoft Data Mover
- Oracle's PeopleSoft Process Scheduler
- Oracle's PeopleSoft Pure Internet Architecture
- Oracle's PeopleSoft Customer Relationship Management
- Oracle's PeopleSoft Enterprise Learning Management
- Oracle's PeopleSoft Enterprise Performance Management

- Oracle's PeopleSoft Financial Management
- Oracle's PeopleSoft Human Capital Management
- Oracle's PeopleSoft Interaction Hub
- Oracle's PeopleSoft Pay/Bill Management
- Oracle's PeopleSoft PeopleTools
- Oracle's PeopleSoft Staffing Front Office
- Oracle's PeopleSoft Supply Chain Management

See the Products area on the Oracle web site, <https://www.oracle.com/products/oracle-a-z.html>.

Related Information

Oracle provides reference information about PeopleSoft PeopleTools and your particular PeopleSoft Application. You can access documentation for recent releases of PeopleSoft PeopleTools and PeopleSoft Applications at the PeopleSoft page in the Oracle Help Center. You can also find documentation by searching for the product name on My Oracle Support.

- PeopleSoft on the Oracle Help Center

You can access PeopleSoft Online Help, or download the PeopleBooks PDFs, from the PeopleSoft page in the Oracle Help Center. Select PeopleTools or your PeopleSoft application from the navigation list on the left. On the page for the selected product application, select the PeopleTools release or image number at the top and go to the Online Help and PeopleBooks section.

See Oracle Help Center, <https://docs.oracle.com/en/applications/peoplesoft/index.html>.

- *PeopleTools: Getting Started with PeopleTools* for your release.

This documentation provides a high-level introduction to PeopleTools technology and usage.

See PeopleTools on the Oracle Help Center,
<https://docs.oracle.com/en/applications/peoplesoft/peopletools/index.html>.

- PeopleSoft Application Fundamentals for your PeopleSoft Application and release

This documentation provides essential information about the setup, design, and implementation of your PeopleSoft Application.

See Oracle Help Center, <https://docs.oracle.com/en/applications/peoplesoft/index.html>.

- Installation guides

You can find the installation guides for PeopleSoft PeopleTools and your PeopleSoft application on the appropriate Oracle Help Center page. Select your release or update image at the top and then go to the Install and Upgrade section.

- My Oracle Support

This support platform requires a user account to log in. Contact your PeopleSoft representative for information.

See My Oracle Support, <https://support.oracle.com>.

You can find several pages which compile documentation, links, and known issues for various PeopleSoft product areas. For a list of many of the PeopleSoft pages, select the PeopleSoft tab on the Oracle Information Center Catalog.

See Oracle Information Center Catalog, My Oracle Support, Doc ID 50.2.

To install additional component software products for use with PeopleSoft products, including those products that are packaged with your PeopleSoft products as well as products from other vendors, you should refer to the documentation provided with those products, as well as this documentation. For those additional components that are offered by Oracle, such as Oracle Middleware products, see the documentation on the Oracle Help Center.

See Oracle Help Center, <https://docs.oracle.com/en/>.

Comments and Suggestions

Your comments are important to us. We encourage you to tell us what you like, or what you would like changed about PeopleSoft documentation and other Oracle reference and training materials. Please send your suggestions to:

PSOFT-Infodev_US@oracle.com

While we cannot guarantee to answer every email message, we will pay careful attention to your comments and suggestions. We are always improving our product communications for you.

Chapter 1

Preparing to Deploy

This chapter discusses:

- Understanding the PT-INFRA DPKs
- Prerequisites

Understanding the PT-INFRA DPKs

This section discusses:

- Understanding the PT-INFRA DPKs Availability
- Understanding the PT-INFRA DPK Name and Contents
- Understanding the PT-INFRA DPK Deployment with New Installations
- Understanding the PT-INFRA DPK Deployment with Existing Environments

Understanding the PT-INFRA DPKs Availability

The installation of a PeopleSoft environment is performed using PeopleSoft deployment packages (DPKs). PeopleSoft Update Images for PUM, PeopleSoft Application Images, and PeopleSoft PeopleTools patches are comprised of DPKs. These DPKs include supporting (third-party) software required for setting up the PeopleSoft environments.

Note. For an overview of the types of images and DPKs, see *PeopleSoft PeopleTools 8.60 Deployment Packages Installation*, "Learning About the PeopleSoft Deployment Package," Reviewing the Deployment Packages.

You can obtain separate PT-INFRA DPKs (called Infrastructure DPKs in some documentation) that include updated versions of the supporting software with security updates or other patches for one or more of the components, and use these updated software versions in a new installation or for an existing environment. This documentation describes how to locate and use the PT-INFRA DPKs.

The PT-INFRA DPKs are posted on My Oracle Support each quarter. There is no published schedule or notification. Go to My Oracle Support Patches and Updates and follow the instructions in this documentation to find the latest version.

Oracle mandates critical patch update (CPU) releases from Oracle products at the same time once a quarter, in mid-January, April, July, and October. The PT-INFRA DPKs install the supporting software components listed in this section, which include quarterly CPUs. Keep in mind that Oracle may provide security fixes after the PT-INFRA DPKs are posted. Review the Oracle PeopleSoft Risk Matrix on the Oracle Critical Patch Update advisories for necessary security updates for each quarter. If there are fixes that are published after the PT-INFRA DPK posting, you are responsible for obtaining and applying those manually.

See Critical Patch Updates, Security Alerts and Bulletins, <https://www.oracle.com/security-alerts/>.

Understanding the PT-INFRA DPK Name and Contents

The PT-INFRA DPKs that you download from My Oracle Support are zip files. Be sure to download both zip files, and to read these instructions before you unzip.

The PT-INFRA DPK file names have the following format:

PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_#of2.zip.

- *<OS>* is one of these operating systems:
 - AIX for IBM AIX
 - LNX for Linux
 - SOL for Solaris
 - WIN for Microsoft Windows
- *<DATE>* is the date that the DPK was made available, with the format year-month-day (yymmdd).

The PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_1of2.zip file includes the following files:

- archives directory — The script uses this directory to install software components with updated CPUs for a new installation.
- cpu_archives directory — The script uses this directory to apply CPUs to installed software components (third-party) on a deployed environment.
- ptinfra-manifest file — This file lists the included software versions.
- readme.txt file — This file includes an overview and a reference to this documentation.
- psft_patches.yaml — This file includes detailed patch information.

The PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_2of2.zip file includes the following files:

- archives directory — The script uses this directory to install software components with updated CPUs for a new installation.
- cpu_archives directory — The script uses this directory to apply CPUs to installed software components (third-party) on a deployed environment.
- ptinfra-manifest file — This file lists the included software versions.

Note. The ptinfra-manifest file is the same in both zip files, but the other contents are different.

The instructions in this document tell you to compare the ptinfra-manifest with the manifest from your environment. Note that the ptinfra-manifest list represents the contents of both the archives and cpu_archives directory, but only the CPUs are used when updating existing environments.

Understanding the PT-INFRA DPK Deployment with New Installations

Follow these guidelines to use the PT-INFRA DPKs with new installations.

- The PT-INFRA DPKs, as well as the PeopleTools patch DPKs, PeopleTools Client DPK, PeopleSoft images, the ELK DPK, or the OSK DPK, are based on PeopleSoft PeopleTools 8.60.
- Use the PT-INFRA DPKs for these new installations:
 - PeopleSoft Update Images, for performing PUM maintenance
 - PeopleSoft Update Images to install a new PeopleSoft application environment

- PeopleSoft PeopleTools patchsets for applying a PeopleTools patch or PeopleTools-only upgrade
- Elasticsearch, Logstash, and Kibana (ELK) DPK
- OpenSearch, OpenSearch Dashboards, and Logstash (OSK) DPK, which is supported beginning with PeopleSoft PeopleTools 8.60.07.
- PeopleTools Client DPK in standalone mode to install PeopleTools utilities such as Change Assistant and Application Designer.
- PeopleTools Client DPK in update manager mode to set up Change Assistant and other software for applying PUM maintenance.
- You want to obtain at least one of the following supporting software components that includes updated security patches (critical patch updates, or CPUs) or other patches:
 - Oracle Tuxedo
 - Oracle WebLogic
 - Oracle Database Client
 - Oracle Java JDK
- You want to install all of the components and CPUs that are delivered in the PT-INFRA DPKs.

Although you may only want to update one of the software components included in the PT-INFRA DPKs, you must install all of them. You cannot perform a deployment and choose to deploy only one of the components.
- The PT-INFRA DPKs, which are available on My Oracle Support, Patches and Updates, include more recent software components than the PeopleSoft product DPKs (PeopleTools patch DPKs, PeopleTools Client DPKs, PeopleSoft images, ELK DPK, or OSK DPK) you are installing.

You can compare the included software component versions in the manifest delivered in the PT-INFRA DPKs. Note that the PT-INFRA DPKs are not delivered on the same schedule as the PeopleSoft product DPKs discussed here. The PT-INFRA DPKs are delivered when security updates for one or more of the components are available or required.
- Follow the instructions in the chapter "Using the PT-INFRA DPKs with New Installations" to review the manifest and perform the installation.

When you include the PT-INFRA DPKs in the same installation directory as the PeopleSoft product DPKs and run the DPK setup script, the script uses the updated archives in the PT-INFRA DPKs to install the software components.

Understanding the PT-INFRA DPK Deployment with Existing Environments

You can use the PT-INFRA DPKs to apply CPUs to the software components on an existing installation.

Follow these guidelines to use the PT-INFRA DPKs with existing installations:

- The PT-INFRA DPKs, as well as the PeopleSoft product DPKs (PeopleTools patch DPKs, PeopleTools Client DPK, PeopleSoft images, the ELK DPK, or the OSK DPK), are based on PeopleSoft PeopleTools 8.60.
- You have retained the DPKs used to install the existing environment.

To use the PT-INFRA DPK to apply the CPUs, you use the DPK setup script from the original set of DPKs.
- Use the PT-INFRA DPKs for these environment types:
 - PeopleSoft Update Images, for performing PUM maintenance
 - PeopleSoft Update Images used for a new PeopleSoft application environment
 - PeopleSoft PeopleTools patchsets for applying a PeopleTools patch or PeopleTools-only upgrade
 - PeopleTools Client DPK in standalone mode to install PeopleTools utilities such as Change Assistant and

Application Designer.

- PeopleTools Client DPK in update manager mode to set up Change Assistant and other software for applying PUM maintenance.
- When performing an upgrade of the Elasticsearch, Logstash, and Kibana (ELK) DPK
- When performing an upgrade of the OpenSearch, OpenSearch Dashboards, and Logstash (OSK) DPK, which is supported beginning with PeopleSoft PeopleTools 8.60.07
- You deployed the environment using the DPK setup script.

The PT-INFRA DPK depends upon information generated by the DPK deployment, based upon your input. If that information is not available, the PT-INFRA DPK process may not give the desired results. This requirement applies to both default and customized deployments. For example, to deploy a mid-tier component to a non-default location, use the `psft_customizations.yaml` file. The PT-INFRA DPK process will use that location to apply CPUs. If you install mid-tier components manually, (without using the DPK setup process), the PT-INFRA DPK process will not be aware of that manual installation, and will not be able to apply the CPUs to those components.

- You used the `psft_customizations.yaml` file.

If you installed your environment using customizations to specify a non-default installation location for the supporting software components, the DPK setup script uses the information in the existing `psft_customizations.yaml` file to locate the software and apply the CPUs.

- You want to apply CPUs for least one of the following supporting software components:

- Oracle Tuxedo
- Oracle WebLogic
- Oracle Database Client
- Oracle Java JDK

- You are willing to apply all of the CPUs that are delivered in the PT-INFRA DPKs.

You cannot perform a deployment and choose to apply only one of the delivered CPUs.

- The PT-INFRA DPKs on My Oracle Support, Patches and Updates, include more recent CPUs than the PeopleSoft product DPKs (PeopleTools patch DPKs, PeopleTools Client DPKs, PeopleSoft images, ELK DPK, or OSK DPK) you are installing.

You can compare the included software component versions in the manifest delivered in the PT-INFRA DPKs. Note that the PT-INFRA DPKs are not delivered on the same schedule as the PeopleSoft product DPKs discussed here. The PT-INFRA DPKs are delivered when security updates for one or more of the components are available or required.

- Follow the instructions in the chapter "Using the PT-INFRA DPKs with Existing Installations" to review the manifest and perform the deployment.

To apply the CPUs, you will include the PT-INFRA DPKs in the same installation directory as the PeopleSoft product DPKs discussed here, and run a specific command with the DPK setup script.

Briefly, when you use the PT-INFRA DPKs on an existing environment, the DPK setup script:

1. Validates the supporting software components in the existing deployed environment and determines if they qualify for applying CPUs from PT-INFRA-DPKs.
2. Stops all or specific domains (Application Server, Process Scheduler, and PIA) based on the component that is being applied with the CPU.
3. Takes the CPU archives from the PT-INFRA DPKs and applies them to the already-installed supporting software components.
4. After applying the CPUs, starts the domains that were stopped.

5. If there is any failure in applying the CPU to Oracle WebLogic, Oracle Tuxedo, or Oracle Database Client, OPatch will roll back the CPU.

This ensures that the original version of the component is retained as it was prior to applying the CPU through the PT-INFRA DPK process.

Prerequisites

This section discusses:

- Reviewing Hardware Prerequisites
- Reviewing Software Prerequisites

Reviewing Hardware Prerequisites

The hardware requirements for the PT-INFRA DPKs are the same as those for the product you are installing — the PeopleSoft PeopleTools patches, PeopleTools Client, ELK DPK, OSK DPK, PeopleSoft Update Images, or PeopleSoft Application Images. For information, see the product documentation referenced in the next chapter.

Reviewing Software Prerequisites

The PT-INFRA DPKs are deployed using the DPK setup script delivered with the PeopleTools patches, PeopleTools Client, ELK DPK, OSK DPK, PeopleSoft Update Images, or PeopleSoft Application Images. You must download all of the required DPKs and save them in the same location.

Chapter 2

Using the PT-INFRA DPKs with New Installations

This chapter discusses:

- Using the PT-INFRA DPKs with the PeopleSoft PeopleTools Patches
- Using the PT-INFRA DPKs with the PeopleSoft Update Images
- Using the PT-INFRA DPK with the Elasticsearch, Logstash, and Kibana DPK
- Using the PT-INFRA DPK with the OpenSearch, OpenSearch Dashboards, and Logstash DPK

Task 2-1: Using the PT-INFRA DPKs with the PeopleSoft PeopleTools Patches

This section discusses:

- Obtaining the PeopleSoft PeopleTools Patch DPKs from My Oracle Support
- Obtaining the PT-INFRA DPKs from My Oracle Support
- Reviewing the PT-INFRA DPK Manifest
- Performing a Mid-Tier Installation with the PT-INFRA DPKs and the PeopleTools DPKs

Task 2-1-1: Obtaining the PeopleSoft PeopleTools Patch DPKs from My Oracle Support

The PeopleSoft PeopleTools DPKs are delivered for each PeopleTools patch on My Oracle Support. When you install the PeopleTools patch DPKs for applying a PeopleTools patch or PeopleTools-only upgrade, the DPK setup script installs the PeopleSoft PeopleTools server and client software, application server, Process Scheduler, and PeopleSoft Pure Internet Architecture (PIA) domains, as well as required supporting software, for use with an existing PeopleSoft database.

For a list of the PeopleSoft PeopleTools DPKs, see *Reviewing the PeopleSoft PeopleTools Patch DPKs in PeopleTools 8.60 Deployment Packages Installation*.

See PeopleSoft PeopleTools Patches Home Page, My Oracle Support, Doc ID 2062712.2.

To locate and download the DPKs:

1. Go to the PeopleSoft PeopleTools Patches Home Page to find the information on locating and downloading the latest PeopleSoft PeopleTools patch.

This page includes documentation and links to the most recent patches. To find earlier PeopleSoft PeopleTools patches:

- a. Sign in to My Oracle Support.
Contact Oracle if you need a user ID and password for My Oracle Support.
 - b. Select the Patches & Updates tab.
 - c. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
2. On the page where you download the DPKs, make a note of the date that the DPKs were last updated.
 3. Download the DPK zip files into a single directory, referred to in this documentation as *DPK_INSTALL*.
Be sure that the *DPK_INSTALL* directory has adequate available space for all the zip files. When you download, there will probably be multiple zip files. The multiple files are needed due to size limitations. The documentation typically refers to the downloaded zip files as *FILENAME_#ofn.zip*.
 4. Extract the pt-manifest from the second zip file (*_2of4.zip) for software version information.
You will compare these software versions with those in the PT-INFRA DPK.
See Reviewing the PT-INFRA DPK Manifest.

Note. Do not destroy the original zip file.

Task 2-1-2: Obtaining the PT-INFRA DPKs from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for your operating system, and download the two zip files to a temporary directory.
6. From the first downloaded zip file, PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_1of2.zip, extract readme.txt and ptinfra-manifest.
Do not extract the remaining contents. You will use the intact zip files to perform the installation.
7. Review the details of the software components in ptinfra-manifest, as described in the next section.

Task 2-1-3: Reviewing the PT-INFRA DPK Manifest

The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=<OS>
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type

- `platform` — operating system platform
- `tools_version` — PeopleSoft PeopleTools release, such as 8.60
- `min_tools_version` — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK
If a `min_tools_version` is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.
- `jdk_version` — Java JDK patch version and CPU version, if any
- `weblogic_version` — Oracle WebLogic patch version and CPU version, if any
- `tuxedo_version` — Oracle Tuxedo patch version and CPU version, if any

Compare the software versions and patch numbers in the PT-INFRA DPK (`ptinfra-manifest`) with those in the PeopleTools patch DPKs (`pt-manifest`) to decide whether to use the PT-INFRA DPK, as described in the next section.

For example, if the PT-INFRA DPK includes `jdk_version=11.0.15 Apr2022 CPU`, and the PeopleTools patch DPKs include `jdk_version=11.0.14 Jan2022 CPU`, you can use the PT-INFRA DPK to get the later JDK version.

Task 2-1-4: Performing a Mid-Tier Installation with the PT-INFRA DPKs and the PeopleTools DPKs

After comparing the software components:

1. Copy the two zip files, `PT-INFRA-DPK-<OS>-8.60-<DATE>_1of2.zip` and `PT-INFRA-DPK-<OS>-8.60-<DATE>_2of2.zip` from the temporary directory into the same `DPK_INSTALL` directory where you downloaded the four PeopleTools patch DPKs.
2. Follow the procedure in *PeopleTools 8.60 Deployment Packages Installation*, "Deploying the PeopleSoft PeopleTools Deployment Packages," Running the DPK Setup Script for Mid-Tier Deployment.

When you use the DPK setup script, the script uses the archives from the latest PT-INFRA DPKs.

When you perform a new installation with the PT-INFRA DPKs the logging information is included with the regular log file, as follows:

- For a deployment without customizations on Microsoft Windows the log is saved in `DPK_INSTALL/setup/psft_dpk_setup.log`.
- For a deployment without customizations on Linux run entirely by the root user, the log is saved in `DPK_INSTALL/setup/psft_dpk_setup.log`.
- For a deployment without customizations on Linux, AIX, or Solaris run by a non-root user, the log is saved in `<USER_HOME>/psft_dpk_work/psft_dpk_setup_<PID>.log`, where `<USER_HOME>` is the home directory for the user running the script.
- For a deployment with customizations, the log is saved in `BASE_DIR/psft_dpk_setup_apply.log`.

Task 2-2: Using the PT-INFRA DPKs with the PeopleSoft Update Images

This section discusses:

- Obtaining the PeopleSoft Update Images
- Obtaining the PT-INFRA DPKs from My Oracle Support

- Reviewing the PT-INFRA DPK Manifest
- Installing the PT-INFRA DPKs with the PeopleSoft Update Images for a PUM Source Environment
- Installing the PT-INFRA DPKs with the PeopleSoft Update Images for a Fresh Installation

Task 2-2-1: Obtaining the PeopleSoft Update Images

You deploy the PeopleSoft Update Image to install a complete PeopleSoft environment. This includes the Oracle database server and pre-configured PeopleSoft application database along with the application server, Process Scheduler, and PIA. The DPKs for the PeopleSoft Update Image also includes the supporting software needed to set up the environment.

The PeopleSoft Update Images are available on My Oracle Support. Contact Oracle if you need a user ID and password for My Oracle Support.

1. Go to the PeopleSoft Update Manager (PUM) Home Page, My Oracle Support, Doc ID 1641843.2, to find the information on locating and downloading the current PeopleSoft Update Image.
2. Select the tab PeopleSoft Update Image Home Pages, and select the link for your PeopleSoft application.
3. Expand the Update Image Link section, and then select the link for Native OS or VirtualBox.
4. From the patch page, download the Native OS DPKs for Linux or Windows, or for VirtualBox, for your PeopleSoft 9.2 application into a single directory, referred to in this documentation as *DPK_INSTALL*.

If you download to a Microsoft Windows computer and FTP to your Linux computer, FTP in binary mode.

If you are performing a fresh installation on Linux, AIX, or Solaris, download the PeopleSoft Application DPK for Linux.

5. Extract the pt-manifest from the second zip file (*_2ofn.zip) for software version information.

You will compare these software versions with those in the PT-INFRA DPK.

See Reviewing the PT-INFRA DPK Manifest.

Note. Do not destroy the original zip file.

Task 2-2-2: Obtaining the PT-INFRA DPKs from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for your operating system, and download the two zip files to a temporary directory.
6. From the first downloaded zip file, PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_1of2.zip, extract readme.txt and ptinfra-manifest.

Do not extract the remaining contents. You will use the intact zip files to perform the installation.

7. Review the details of the software components in ptinfra-manifest, as described in the next section.

Note. If you are doing PUM deployment on Native OS Linux or VirtualBox, you may need to download PT-INFRA DPKs for Linux and Windows. For PeopleSoft environments that you install on Linux operating systems, you must download the Linux version of the PT-INFRA DPKs. If you intend to use the PT-INFRA DPKs to update the PeopleTools Client, you also need the Windows version of the PT-INFRA DPKs.

Task 2-2-3: Reviewing the PT-INFRA DPK Manifest

The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=<OS>
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK
If a min_tools_version is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.
- jdk_version — Java JDK patch version and CPU version, if any
- weblogic_version — Oracle WebLogic patch version and CPU version, if any
- tuxedo_version — Oracle Tuxedo patch version and CPU version, if any

Compare the software versions and patch numbers in the PT-INFRA DPK (ptinfra-manifest) with those in the PeopleSoft Update Image DPKs (pt-manifest) to decide whether to use the PT-INFRA DPK, as described in the next section.

For example, if the PT-INFRA DPK includes `jdk_version=11.0.15 Apr2022 CPU`, and the PeopleSoft Update Image DPKs include `jdk_version=11.0.14 Jan2022 CPU`, you can use the PT-INFRA DPK to get the later JDK version.

Task 2-2-4: Installing the PT-INFRA DPKs with the PeopleSoft Update Images for a PUM Source Environment

After comparing the software components:

1. Copy the two zip files, PT-INFRA-DPK-<OS>-8.60-<DATE>_1of2.zip and PT-INFRA-DPK-<OS>-8.60-<DATE>_2of2.zip, into the same `DPK_INSTALL` directory where you downloaded the zip files for the PeopleSoft Update Image.

When you use the DPK setup script, the script uses the archives from the latest PT-INFRA DPK.

2. To deploy the PeopleSoft Update Images to create and set up a PeopleSoft environment to be used as the source for the PeopleSoft Update Manager, follow the procedure in the installation documentation on the

home page for your image.

See *PeopleSoft Deployment Packages for Update Images Installation (PeopleSoft PeopleTools 8.60)*, PeopleSoft Update Image (PUM) Home Page, My Oracle Support, Doc ID 1641843.2.

When you perform a new installation with the PT-INFRA DPKs the logging information is included with the regular log file, as follows:

- For a deployment without customizations on Microsoft Windows the log is saved in *DPK_INSTALL/setup/psft_dpk_setup.log*.
- For a deployment without customizations on Linux run entirely by the root user, the log is saved in *DPK_INSTALL/setup/psft_dpk_setup.log*.
- For a deployment without customizations on Linux run by a non-root user, the log is saved in *<USER_HOME>/psft_dpk_work/psft_dpk_setup_<PID>.log*, where *<USER_HOME>* is the home directory for the user running the script.
- For a deployment with customizations, the log is saved in *BASE_DIR/psft_dpk_setup_apply.log*.

Task 2-2-5: Installing the PT-INFRA DPKs with the PeopleSoft Update Images for a Fresh Installation

Each PeopleSoft Update Image is certified for a fresh installation. To perform a fresh installation, after comparing the software components:

1. Copy the two zip files, PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_1of2.zip and PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_2of2.zip, from the temporary directory into the same *DPK_INSTALL* directory where you downloaded the zip files for the PeopleSoft Update Image.
2. Follow the instructions in the PeopleSoft 9.2 Application Installation guide for your database platform.

When you use the DPK setup script, the script uses the archives from the latest PT-INFRA DPKs.

See Oracle's PeopleSoft PeopleTools 8.60 Home Page, Installation and Upgrade, My Oracle Support, Doc ID 2884844.2.

When you perform a new installation with the PT-INFRA DPKs the logging information is included with the regular log file, as follows:

- For a deployment without customizations on Microsoft Windows the log is saved in *DPK_INSTALL/setup/psft_dpk_setup.log*.
- For a deployment without customizations on Linux, AIX, or Solaris run entirely by the root user, the log is saved in *DPK_INSTALL/setup/psft_dpk_setup.log*.
- For a deployment without customizations on Linux, AIX, or Solaris run by a non-root user, the log is saved in *<USER_HOME>/psft_dpk_work/psft_dpk_setup_<PID>.log*, where *<USER_HOME>* is the home directory for the user running the script.
- For a deployment with customizations, the log is saved in *BASE_DIR/psft_dpk_setup_apply.log*.

Task 2-3: Using the PT-INFRA DPK with the Elasticsearch, Logstash, and Kibana DPK

This section discusses:

- Obtaining the ELK DPK from My Oracle Support
- Obtaining the PT-INFRA DPK from My Oracle Support

- Reviewing the PT-INFRA DPK Manifest
- Installing the PT-INFRA DPK with the ELK DPK

Task 2-3-1: Obtaining the ELK DPK from My Oracle Support

Download and deploy the Elasticsearch, Logstash, and Kibana DPK (ELK DPK) from Oracle Software Delivery Cloud or My Oracle Support. Elasticsearch is used for the PeopleSoft Search Framework. Kibana is used to visualize data for Elasticsearch server monitoring and application index monitoring, and to create dashboards to visualize application search indexes. Logstash is used with the PeopleSoft Health Center. For more information, see *PeopleSoft Deployment Packages Installation for Search Components (PeopleSoft PeopleTools 8.60)*.

You can use the PT-INFRA DPKs with ELK DPKs that are supported for PeopleSoft PeopleTools 8.60. Use the PT-INFRA DPK with ELK DPK to include the latest JDK patch in your ELK installation. Note that the ELK DPK setup uses only the JDK archive from the PT-INFRA DPKs.

See PeopleSoft Search and Insights Home Page, (select the tab PeopleTools 8.60), My Oracle Support, Doc ID 2205540.2.

To obtain the ELK DPK from My Oracle Support:

1. Sign in to My Oracle Support.
See My Oracle Support, <https://support.oracle.com>.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. Select the current release from the Release drop-down list, and then click Search.
5. In the list of results, locate the Elasticsearch file for your operating system, ELK-DPK-*<Operating_System>*-*<Release>*_*<DPK_revision>*.zip, where the file name includes the following:
 - *<Operating_System>* is LNX for Oracle Linux, or WIN for Microsoft Windows.
 - *<Release>* is a number with the Elasticsearch and PeopleSoft PeopleTools versions, such as 7.10.0.860.
 - *<DPK_revision>* is a number specific to the DPK revision.

For example, ELK-DPK-WIN-7.10.0.860_03.zip or ELK-DPK-LNX-7.10.0.860_03.zip.

6. Download the file.

Be sure that the directory where you download the zip file has adequate available space. The directory should be a newly created directory with no other files present.

This documentation refers to the downloaded zip file as *ELK_FILENAME.zip*, and the directory where you download the zip file as *ELK_INSTALL*.

7. Extract the elasticsearch-manifest from the zip file for software version information.

Note. Do not destroy the original zip file.

The elasticsearch-manifest includes the following items:

```
type=es
platform=<operating_system>
version=<elasticsearch_version>
jdk_version=<version>
from_tools_version=<version>
to_tools_version=<version>
```

You will compare these software versions with those in the PT-INFRA DPK.

See Reviewing the PT-INFRA DPK Manifest.

Task 2-3-2: Obtaining the PT-INFRA DPK from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for your operating system, and download the first zip file to a temporary directory.

Note. You will use only the first zip file for this task.

6. From the first downloaded zip file, PT-INFRA-DPK-<OS>-8.60-<DATE>_1of2.zip, extract readme.txt and ptinfra-manifest.

Do not extract the remaining contents. You will use the intact zip files to perform the installation.

7. Review the details of the software components in ptinfra-manifest, as described in the next section.

Task 2-3-3: Reviewing the PT-INFRA DPK Manifest

You can use the PT-INFRA DPK to obtain the latest JDK patch to use with the ELK DPK. To view the list of software version and patch numbers in the PT-INFRA DPK, copy the DPK to a temporary folder, extract, and locate the ptinfra-manifest file. The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=<OS>
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK
If a min_tools_version is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.
- jdk_version — Java JDK patch version and CPU version, if any
- weblogic_version — Oracle WebLogic patch version and CPU version, if any
- tuxedo_version — Oracle Tuxedo patch version and CPU version, if any

Compare the `jdk_version` in the PT-INFRA DPK `ptinfra-manifest` with that in the ELK DPK `elasticsearch-manifest` to decide whether to use the PT-INFRA DPK.

For example, if the PT-INFRA DPK includes `jdk_version=11.0.19 Apr2023 CPU`, and the ELK DPK includes `jdk_version=11.0.18 Jan2023 CPU`, you can use the PT-INFRA DPK to get the later JDK version.

Task 2-3-4: Installing the PT-INFRA DPK with the ELK DPK

After comparing the software components:

1. Copy the PT-INFRA-DPK-`<OS>-8.60-<DATE>_1of2.zip` from the temporary directory into the same `ELK_INSTALL` directory where you downloaded the ELK DPK.
2. Follow the procedure in *PeopleSoft Deployment Packages Installation for Search Components (PeopleSoft PeopleTools 8.60)*, "Deploying the Elasticsearch, Logstash, and Kibana Deployment Packages."

Note. The ELK DPK setup uses only the JDK archive from the PT-INFRA DPK.

Task 2-4: Using the PT-INFRA DPK with the OpenSearch, OpenSearch Dashboards, and Logstash DPK

This section discusses:

- Obtaining the OSK DPK from My Oracle Support
- Obtaining the PT-INFRA DPK from My Oracle Support
- Reviewing the PT-INFRA DPK Manifest
- Installing the PT-INFRA DPK with the OSK DPK

Task 2-4-1: Obtaining the OSK DPK from My Oracle Support

Download and deploy the OpenSearch, OpenSearch Dashboards, and Logstash DPK (OSK DPK) from My Oracle Support. OpenSearch is used for the PeopleSoft Search Framework. OpenSearch Dashboards is used to visualize data for OpenSearch server monitoring and application index monitoring, and to create dashboards to visualize application search indexes. Logstash is used with the PeopleSoft Health Center. For more information, see *PeopleSoft Deployment Packages Installation for Search Components (PeopleSoft PeopleTools 8.60)*.

You can use the PT-INFRA DPKs with OSK DPKs that are supported for PeopleSoft PeopleTools 8.60.07 and later. Use the PT-INFRA DPK with OSK DPK to include the latest JDK patch in your OSK installation. Note that the OSK DPK setup uses only the JDK archive from the PT-INFRA DPKs.

See PeopleSoft Search and Insights Home Page, (select the tab PeopleTools 8.60), My Oracle Support, Doc ID 2205540.2.

To obtain the OSK DPK from My Oracle Support:

1. Sign in to My Oracle Support.
See My Oracle Support, <https://support.oracle.com>.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. Select the current release from the Release drop-down list, and then click Search.

5. In the list of results, locate the OpenSearch file for your operating system, OSK-DPK-*<Operating_System>-<Release>_<DPK_revision>.zip*, where the file name includes the following:
 - *<Operating_System>* is LNX for Oracle Linux, or WIN for Microsoft Windows.
 - *<Release>* is a number with the OpenSearch and PeopleSoft PeopleTools versions, such as 2.3.0.860
 - *<DPK_revision>* is a number specific to the DPK revision.

For example, OSK-DPK-WIN-2.3.0.860_02.zip or OSK-DPK-LNX-2.3.0.860_02.zip.

6. Download the file.

Be sure that the directory where you download the zip file has adequate available space. The directory should be a newly created directory with no other files present.

This documentation refers to the downloaded zip file as *OSK_FILENAME.zip*, and the directory where you download the zip file as *OSK_INSTALL*.

7. Extract the opensearch-manifest from the zip file for software version information.

Note. Do not destroy the original zip file.

The opensearch-manifest includes the following items:

```
type= osk
platform=<operating_system>
version=<opensearch_version>
jdk_version=<version>
from_tools_version=<version>
to_tools_version=<version>
```

You will compare these software versions with those in the PT-INFRA DPK.

See Reviewing the PT-INFRA DPK Manifest.

Task 2-4-2: Obtaining the PT-INFRA DPK from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for your operating system, and download the first zip file to a temporary directory.

Note. You will use only the first zip file for this task.

6. From the first downloaded zip file, PT-INFRA-DPK-*<OS>-8.60-<DATE>_1of2.zip*, extract readme.txt and ptinfra-manifest.

Do not extract the remaining contents. You will use the intact zip files to perform the installation.
7. Review the details of the software components in ptinfra-manifest, as described in the next section.

Task 2-4-3: Reviewing the PT-INFRA DPK Manifest

You can use the PT-INFRA DPK to obtain the latest JDK patch to use with the OSK DPK. To view the list of software version and patch numbers in the PT-INFRA DPK, copy the DPK to a temporary folder, extract, and locate the ptinfra-manifest file. The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=<OS>
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK
If a min_tools_version is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.
- jdk_version — Java JDK patch version and CPU version, if any
- weblogic_version — Oracle WebLogic patch version and CPU version, if any
- tuxedo_version — Oracle Tuxedo patch version and CPU version, if any

Compare the jdk_version in the PT-INFRA DPK ptinfra-manifest with that in the OSK DPK opensearch-manifest to decide whether to use the PT-INFRA DPK.

For example, if the PT-INFRA DPK includes jdk_version=11.0.19 Apr2023 CPU, and the OSK DPK includes jdk_version=11.0.18 Jan2023 CPU, you can use the PT-INFRA DPK to get the later JDK version.

Task 2-4-4: Installing the PT-INFRA DPK with the OSK DPK

After comparing the software components:

1. Copy the PT-INFRA-DPK-<OS>-8.60-<DATE>_1of2.zip from the temporary directory into the same OSK_INSTALL directory where you downloaded the OSK DPK.
2. Follow the procedure in *PeopleSoft Deployment Packages Installation for Search Components (PeopleSoft PeopleTools 8.60)*, "Deploying the OpenSearch, OpenSearch Dashboards, and Logstash Deployment Packages."

Note. The OSK DPK setup uses only the JDK archive from the PT-INFRA DPK.

Chapter 3

Using the PT-INFRA DPKs with Existing Environments

This chapter discusses:

- Using the PT-INFRA DPKs with an Existing PeopleSoft PeopleTools Patch Environment
- Using the PT-INFRA DPKs with an Existing PeopleSoft Update Image Environment
- Using the PT-INFRA DPKs When Upgrading Elasticsearch
- Using the PT-INFRA DPKs When Upgrading or Migrating to OpenSearch

Task 3-1: Using the PT-INFRA DPKs with an Existing PeopleSoft PeopleTools Patch Environment

This section discusses:

- Locating the Manifest in the PeopleTools Patch DPKs
- Obtaining the PT-INFRA DPKs from My Oracle Support
- Reviewing the PT-INFRA Manifest
- Applying the PT-INFRA DPKs to the PeopleTools Patches Environment

Task 3-1-1: Locating the Manifest in the PeopleTools Patch DPKs

The PeopleSoft PeopleTools DPKs are delivered for each PeopleTools patch on My Oracle Support. When you install the PeopleTools patch DPKs for applying a PeopleTools patch or PeopleTools-only upgrade, the DPK setup script installs the PeopleSoft PeopleTools server and client software, application server, Process Scheduler, and PeopleSoft Pure Internet Architecture (PIA) domains, as well as required supporting software, for use with an existing PeopleSoft database.

This section assumes that you have a running environment, and that you retained the PeopleTools patch DPKs used for installation. This documentation refers to the location where you saved the PeopleTools patch DPKs as *DPK_INSTALL*. It refers to the installation for the environment as *BASE_DIR*.

Extract the pt-manifest from the second zip file (*_2of4.zip) for software version information. You will compare these software versions with those in the PT-INFRA DPK. Do not destroy the original zip file.

See Reviewing the PT-INFRA DPK Manifest.

See Also

PeopleTools 8.60 Deployment Packages Installation

Task 3-1-2: Obtaining the PT-INFRA DPKs from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for your operating system, and download the two zip files to a temporary directory.
6. From the first downloaded zip file, PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_1of2.zip, extract readme.txt and ptinfra-manifest.

Do not extract the remaining contents. You will use the intact zip files to perform the installation.

7. Review the details of the software components in ptinfra-manifest, as described in the next section.

Task 3-1-3: Reviewing the PT-INFRA Manifest

The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=<OS>
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK
If a min_tools_version is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.
- jdk_version — Java JDK patch version and CPU version, if any
- weblogic_version — Oracle WebLogic patch version and CPU version, if any
- tuxedo_version — Oracle Tuxedo patch version and CPU version, if any

Compare the software versions, patch numbers, and CPUs in the PT-INFRA DPK (ptinfra-manifest) with those in the PeopleTools patch DPKs (pt-manifest) to decide whether to use the PT-INFRA DPK. If there are CPUs that are later than those on your existing environment, you can use it.

For example, if the PT-INFRA DPK includes `jdk_version=11.0.15 Apr2022 CPU`, and the PeopleTools patch DPKs include `jdk_version=11.0.14 Jan2022 CPU`, you can use the PT-INFRA DPK to get the later JDK CPU.

Note. When you use the `--apply_infra_cpu` option, only the CPUs listed in the `ptinfra-manifest` are applied to existing environments.

Task 3-1-4: Applying the PT-INFRA DPKs to the PeopleTools Patches Environment

After comparing the software components:

1. Stop any running processes, such as standalone Application Engine programs, that use the same installation location (*BASE_DIR*).
2. If you used customizations to install supporting software components in non-default locations and they are shared with domains or processes that were not DPK-installed, you must stop all of the domains and running processes that are using the supporting software components.
3. Copy the PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_1of2.zip and PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_2of2.zip from the temporary directory into the same *DPK_INSTALL* directory where you downloaded the four PeopleTools patch DPKs.
4. Run the DPK setup script with this command, and supply the full path to the existing installation location (*BASE_DIR*).

Note. On Microsoft Windows, open a new command prompt to run the script.

```
psft-dpk-setup.<ext> --psft_base_dir <full_path_base_dir> --apply_infra=>
cpu
```

When you use the DPK setup script, the script applies the CPUs and restarts the domains.

The log file for the deployment with the PT-INFRA DPK on an existing environment is named `psft_dpk_setup_apply_infra_cpu.log`, and is saved in *DPK_INSTALL/setup*.

Task 3-2: Using the PT-INFRA DPKs with an Existing PeopleSoft Update Image Environment

This section discusses:

- Locating the Manifest in the PeopleSoft Update Images
- Obtaining the PT-INFRA DPKs from My Oracle Support
- Reviewing the PT-INFRA Manifest
- Applying the PT-INFRA DPKs to the PeopleSoft Update Image Environment

Task 3-2-1: Locating the Manifest in the PeopleSoft Update Images

You deploy the PeopleSoft Update Image to install a complete PeopleSoft environment. This includes the Oracle database server and pre-configured PeopleSoft application database along with the application server, Process Scheduler, and PIA. The DPKs for the PeopleSoft Update Image also includes the supporting software needed to set up the environment.

This section assumes that you have a running environment, and that you retained the PeopleSoft Update Image DPKs used for installation. This documentation refers to the location where you saved the PeopleTools Update Image DPKs as *DPK_INSTALL*. It refers to the installation for the environment as *BASE_DIR*.

Note. This section applies to a PeopleSoft environment used as the PUM source environment.

Extract the pt-manifest from the second zip file (*_2ofn.zip) for software version information. You will compare these software versions with those in the PT-INFRA DPK. Do not destroy the original zip file.

See Reviewing the PT-INFRA DPK Manifest.

See Also

PeopleSoft Update Manager (PUM) Home Page, My Oracle Support, Doc ID 1641843.2

Task 3-2-2: Obtaining the PT-INFRA DPKs from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for your operating system, and download the two zip files to a temporary directory.
6. From the first downloaded zip file, PT-INFRA-DPK-<OS>-8.60-<DATE>_1of2.zip, extract readme.txt and ptinfra-manifest.

Do not extract the remaining contents. You will use the intact zip files to perform the installation.

7. Review the details of the software components in ptinfra-manifest, as described in the next section.

Task 3-2-3: Reviewing the PT-INFRA Manifest

The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=<OS>
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK

If a `min_tools_version` is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.

- `jdk_version` — Java JDK patch version and CPU version, if any
- `weblogic_version` — Oracle WebLogic patch version and CPU version, if any
- `tuxedo_version` — Oracle Tuxedo patch version and CPU version, if any

Compare the software versions, patch numbers, and CPUs in the PT-INFRA DPK (`ptinfra-manifest`) with those in the PeopleSoft Update Image DPKs (`pt-manifest`) to decide whether to use the PT-INFRA DPK. If there are CPUs that are later than those on your existing environment, you can use it.

For example, if the PT-INFRA DPK includes `jdk_version=11.0.15 Apr2022 CPU`, and the PeopleSoft Update Image DPKs include `jdk_version=11.0.14 Jan2022 CPU`, you can use the PT-INFRA DPK to get the later JDK CPU.

Note. When you use the `--apply_infra_cpu` option, only the CPUs listed in the `ptinfra-manifest` are applied to existing environments.

Task 3-2-4: Applying the PT-INFRA DPKs to the PeopleSoft Update Image Environment

After comparing the software components:

1. Stop any running processes, such as standalone Application Engine programs, that use the same installation location (`BASE_DIR`).
2. If you used customizations to install supporting software components in non-default locations and they are shared with domains or processes that were not DPK-installed, you must stop all of the domains and running processes that are using the supporting software components.
3. Copy the two zip files, `PT-INFRA-DPK-<OS>-8.60-<DATE>_1of2.zip` and `PT-INFRA-DPK-<OS>-8.60-<DATE>_2of2.zip`, from the temporary directory into the same `DPK_INSTALL` directory where you downloaded the DPKs for the PeopleSoft Update Image.
4. Run the DPK setup script with this command, and supply the full path to the existing installation location (`BASE_DIR`).

Note. On Microsoft Windows, open a new command prompt to run the script.

```
psft-dpk-setup.<ext> --psft_base_dir <full_path_base_dir> --apply_infra_cpu
```

When you use the DPK setup script, the script applies the CPUs and restarts the domains.

The log file for the deployment with the PT-INFRA DPKs on an existing environment is named `psft_dpk_setup_apply_infra_cpu.log`, and is saved in `DPK_INSTALL/setup`.

Task 3-3: Using the PT-INFRA DPKs When Upgrading Elasticsearch

This section discusses:

- Obtaining the PT-INFRA DPKs from My Oracle Support

- Reviewing the PT-INFRA DPK Manifest
- Upgrading Elasticsearch with the PT-INFRA DPKs

Note. You can use the PT-INFRA DPKs to obtain the latest JDK when upgrading an Elasticsearch installation. The JDK will be included in the upgraded Elasticsearch. This is the only supported process for using the PT-INFRA DPKs with an existing Elasticsearch installation. See *PeopleSoft Deployment Packages Installation for Search Components (PeopleSoft PeopleTools 8.60)*, "Upgrading Elasticsearch and Kibana."

Task 3-3-1: Obtaining the PT-INFRA DPKs from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for your operating system, and download the first zip file to a temporary directory.

Note. You will use only the first zip file for this task.

6. From the first downloaded zip file, PT-INFRA-DPK-*<OS>*-8.60-*<DATE>*_1of2.zip, extract readme.txt and ptinfra-manifest.

Do not extract the remaining contents. You will use the intact zip files to perform the installation.

7. Review the details of the software components in ptinfra-manifest, as described in the next section.

Task 3-3-2: Reviewing the PT-INFRA DPK Manifest

You can use the PT-INFRA DPK to obtain the latest JDK patch to use when upgrading with the ELK DPK. To view the list of software version and patch numbers in the PT-INFRA DPK, copy the DPK to a temporary folder, extract, and locate the ptinfra-manifest file. The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=<OS>
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK

If a min_tools_version is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.

- `jdk_version` — Java JDK patch version and CPU version, if any
- `weblogic_version` — Oracle WebLogic patch version and CPU version, if any
- `tuxedo_version` — Oracle Tuxedo patch version and CPU version, if any

Compare the `jdk_version` in the PT-INFRA DPK `ptinfra-manifest` with that in the ELK DPK `elasticsearch-manifest` to decide whether to use the PT-INFRA DPK.

For example, if the PT-INFRA DPK includes `jdk_version=11.0.19 July2023 CPU`, and the ELK DPK includes `jdk_version=11.0.18 Jan2023 CPU`, you can use the PT-INFRA DPK to get the later JDK version.

Task 3-3-3: Upgrading Elasticsearch with the PT-INFRA DPKs

After comparing the software components, follow the procedure in *PeopleSoft Deployment Packages Installation for Search Components (PeopleSoft PeopleTools 8.60)*, "Upgrading Elasticsearch and Kibana."

Note. The ELK DPK setup uses only the JDK archive from the PT-INFRA DPK.

Task 3-4: Using the PT-INFRA DPKs When Upgrading or Migrating to OpenSearch

This section discusses:

- Obtaining the PT-INFRA DPKs from My Oracle Support
- Reviewing the PT-INFRA DPK Manifest
- Upgrading or Migrating to OpenSearch with the PT-INFRA DPKs

Note. You can use the PT-INFRA DPKs to obtain the latest JDK when migrating to or upgrading an OpenSearch installation. The JDK will be included in the upgraded OpenSearch. This is the only supported process for using the PT-INFRA DPKs with an existing OpenSearch installation. See *PeopleSoft Deployment Packages Installation for Search Components (PeopleSoft PeopleTools 8.60)*, "Migrating from Elasticsearch to OpenSearch" or "Upgrading OpenSearch and OpenSearch Dashboards."

Task 3-4-1: Obtaining the PT-INFRA DPKs from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for your operating system, and download the first zip file to a temporary directory.

Note. You will use only the first zip file for this task.

6. From the first downloaded zip file, PT-INFRA-DPK-`<OS>-8.60-<DATE>_1of2.zip`, extract `readme.txt` and `ptinfra-manifest`.

Do not extract the remaining contents. You will use the intact zip files to perform the installation.

7. Review the details of the software components in ptinfra-manifest, as described in the next section.

Task 3-4-2: Reviewing the PT-INFRA DPK Manifest

You can use the PT-INFRA DPK to obtain the latest JDK patch to use when upgrading or migrating with the OSK DPK. To view the list of software version and patch numbers in the PT-INFRA DPK, copy the DPK to a temporary folder, extract, and locate the ptinfra-manifest file. The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=<OS>
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK
If a min_tools_version is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.
- jdk_version — Java JDK patch version and CPU version, if any
- weblogic_version — Oracle WebLogic patch version and CPU version, if any
- tuxedo_version — Oracle Tuxedo patch version and CPU version, if any

Compare the jdk_version in the PT-INFRA DPK ptinfra-manifest with that in the OSK DPK opensearch-manifest to decide whether to use the PT-INFRA DPK.

For example, if the PT-INFRA DPK includes jdk_version=11.0.19 July2023 CPU, and the OSK DPK includes jdk_version=11.0.18 Jan2023 CPU, you can use the PT-INFRA DPK to get the later JDK version.

Task 3-4-3: Upgrading or Migrating to OpenSearch with the PT-INFRA DPKs

After comparing the software components, follow the procedure in *PeopleSoft Deployment Packages Installation for Search Components (PeopleSoft PeopleTools 8.60)*, "Migrating from Elasticsearch to OpenSearch" or "Upgrading OpenSearch and OpenSearch Dashboards."

Note. The OSK DPK setup uses only the JDK archive from the PT-INFRA DPK.

Chapter 4

Using the PT-INFRA DPKs with the PeopleTools Client DPK

This chapter discusses:

- Using the PT-INFRA DPKs with a New PeopleTools Client Installation in Standalone Mode
- Using the PT-INFRA DPKs with a New PeopleTools Client Installation in Update Manager Mode
- Using the PT-INFRA DPKs with an Existing PeopleTools Client Environment in Standalone Mode
- Using the PT-INFRA DPKs with an Existing PeopleTools Client Environment in Update Manager Mode

Task 4-1: Using the PT-INFRA DPKs with a New PeopleTools Client Installation in Standalone Mode

This section discusses:

- Obtaining the PeopleTools Client DPK from My Oracle Support
- Obtaining the PT-INFRA DPKs from My Oracle Support
- Reviewing the PT-INFRA DPK Manifest
- Installing the PT-INFRA DPKs with the PeopleTools Client DPK in Standalone Mode

Task 4-1-1: Obtaining the PeopleTools Client DPK from My Oracle Support

Use the PeopleTools Client DPK on a supported Microsoft Windows computer to install utilities such as Change Assistant, PeopleSoft Test Framework, Application Designer, and so on. The PeopleTools Client DPK is one of the DPKs provided with PeopleSoft PeopleTools patches. To locate and download the DPKs:

1. Go to the PeopleSoft PeopleTools Patches Home Page to find the information on locating and downloading the latest PeopleSoft PeopleTools patch.

See PeopleSoft PeopleTools Patches Home Page, My Oracle Support, Doc ID 2062712.2.

This page includes documentation and links to the most recent patches. To find earlier PeopleSoft PeopleTools patches:

- a. Sign in to My Oracle Support.
Contact Oracle if you need a user ID and password for My Oracle Support.
 - b. Select the Patches & Updates tab.
 - c. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
2. On the page where you download the DPKs, make a note of the date that the DPKs were last updated.
 3. Locate the DPKs for Microsoft Windows.

The documentation typically refers to the downloaded zip files as *filename_#ofn.zip*. The PeopleTools Client DPK is the fourth in the set of PeopleTools patch DPKs.

- Download the PeopleTools Client DPK zip file into a single directory, referred to in this documentation as *DPK_INSTALL*.

You will use this when you install the client. Be sure that the *DPK_INSTALL* directory has adequate available space for the zip file.

- Extract the ptc-manifest from the fourth zip file (*filename_4of4.zip*) for software version information.

You will compare the software versions with those in the PT-INFRA DPK.

See Reviewing the PT-INFRA DPK Manifest.

Note. Do not destroy the original zip file.

Task 4-1-2: Obtaining the PT-INFRA DPKs from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

- Sign in to My Oracle Support.
- Select the Patches & Updates tab.
- Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
- To filter the results, add a search criteria for Description, and enter PT-INFRA.
- In the list of results, locate the PT-INFRA DPK entry for Microsoft Windows, and download the two zip files to a temporary directory.
- From the first downloaded zip file, PT-INFRA-DPK-WIN-8.60-*<DATE>*_1of2.zip, extract readme.txt and ptinfra-manifest.

Do not extract the remaining contents. You will use the intact zip files to perform the installation.

- Review the details of the software components in ptinfra-manifest, as described in the next section.

Task 4-1-3: Reviewing the PT-INFRA DPK Manifest

To view the list of software version and patch numbers in the PT-INFRA DPK, copy the DPK to a temporary folder, extract, and locate the ptinfra-manifest file. The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=Windows
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK

If a `min_tools_version` is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.

- `jdk_version` — Java JDK patch version and CPU version, if any
- `weblogic_version` — Oracle WebLogic patch version and CPU version, if any
- `tuxedo_version` — Oracle Tuxedo patch version and CPU version, if any

Compare the software versions and patch numbers in the PT-INFRA DPK (`ptinfra-manifest`) with those in the PeopleTools Client DPK (`ptc-manifest`) to decide whether to use the PT-INFRA DPK.

For example, if the PT-INFRA DPK includes `jdk_version=11.0.15 Apr2022 CPU`, and the PeopleTools Client DPK includes `jdk_version=11.0.14 Jan2022 CPU`, you can use the PT-INFRA DPK to get the later JDK version. The next section describes how to use the PT-INFRA DPK.

Task 4-1-4: Installing the PT-INFRA DPKs with the PeopleTools Client DPK in Standalone Mode

After comparing the software components:

1. Download the PeopleTools Client DPK.

See Obtaining the PeopleTools Client DPK from My Oracle Support.

2. Extract the zip file twice.

Follow the procedure in *PeopleTools 8.60 Deployment Packages Installation*, "Deploying the PeopleTools Client DPK," Deploying the PeopleTools Client DPK.

3. Copy the two zip files, PT-INFRA-DPK-WIN-8.60-`<DATE>_1of2.zip` and PT-INFRA-DPK-WIN-8.60-`<DATE>_2of2.zip` from the temporary directory into the directory where you extracted the PeopleTools Client DPK zip file, such as `C:\tools_client`.
4. Run the `SetupPTClient.bat -t` script as described in the documentation.

The script uses the archives for the Java JDK with the latest CPU from the PT-INFRA DPK for the PeopleTools client installation.

The log file is saved in `%USERPROFILE%\AppData\Local\Temp\PeopleSoft\PTClientDeploy.log`. For example, if the `USERPROFILE` environment variable is `C:\Users\username`, the log file location is `C:\Users\username\AppData\Local\Temp\PeopleSoft\PTClientDeploy.log`.

Task 4-2: Using the PT-INFRA DPKs with a New PeopleTools Client Installation in Update Manager Mode

This section discusses:

- Locating the Manifests for the PeopleTools Client Installation in Update Manager Mode
- Obtaining the PT-INFRA DPKs from My Oracle Support
- Reviewing the PT-INFRA DPK Manifest
- Installing the PT-INFRA DPKs with the PeopleTools Client in Update Manager Mode (PeopleSoft Environment on Microsoft Windows)
- Installing the PT-INFRA DPKs with the PeopleTools Client in Update Manager Mode (PeopleSoft Environment on Linux or VirtualBox)

Task 4-2-1: Locating the Manifests for the PeopleTools Client Installation in Update Manager Mode

The PeopleSoft Update Image installation includes the script SetupPTClient.bat, for setting up PeopleTools client tools such as Change Assistant, Configuration Manager, and Application Designer, as well as an Oracle Database Client. You install the PeopleTools Client in Update Manager mode to use in applying PUM maintenance. When you use the PT-INFRA DPK with a PeopleTools Client installation, it updates the Oracle Database Client and Java JDK.

This section assumes that you deployed the PeopleSoft Update Image, and specified installation type PUM, as described in the documentation.

See *PeopleSoft Deployment Packages for Update Images Installation (PeopleSoft PeopleTools 8.60)*, PeopleSoft Update Image (PUM) Home Page, My Oracle Support, Doc ID 1641843.2.

This section assumes that you retained the DPKs for the PeopleSoft Update image. To prepare to use the PTINFRA DPKs with a PeopleTools Client installation:

- Locate the PeopleTools Client DPK and the ptc-manifest.

The DPK zip files that you downloaded for the PeopleSoft Update Image include PeopleTools Client installations for all supported PeopleSoft PeopleTools versions. You need the PeopleTools Client DPK for the current release, which is the sixth zip file.

Extract the ptc-manifest from the sixth zip file of the DPKs you downloaded for the image, to review the software version information. For the Native OS for Linux and Windows versions, the sixth zip file is *filename_6of11.zip*. For the VirtualBox version, it is *filename_6of12.zip*. You will compare these software versions with those in the PT-INFRA DPK. Do not destroy the original zip file.

- Locate the Oracle Database Client DPK and the odc-manifest.

The DPK zip files that you downloaded for the PeopleSoft Update Image include a DPK for the Oracle Database Client.

Extract the odc-manifest from the seventh zip file of the DPKs you downloaded for the image, to review the software version information. For the Native OS for Linux and Windows versions, the seventh zip file is *filename_7of11.zip*. For the VirtualBox version, it is *filename_7of12.zip*. You will compare these software versions with those in the PT-INFRA DPK. Do not destroy the original zip file.

The process that you follow to use the PT-INFRA DPKs depends upon the operating system where you deploy the PeopleSoft Update Image.

- If you install the PeopleSoft Update Image using the Native OS Linux to install on a Linux host, follow the instructions in Installing the PT-INFRA DPK with the PeopleTools Client in Update Manager Mode (PeopleSoft Environment on Linux or VirtualBox).
- If you install the PeopleSoft Update Image using VirtualBox to install a Linux guest VM on a Microsoft Windows host, follow the instructions in Installing the PT-INFRA DPK with the PeopleTools Client in Update Manager Mode (PeopleSoft Environment on Linux or VirtualBox).
- If you install the PeopleSoft Update Image on Microsoft Windows using the Native OS Windows version of the image, follow the instructions in Installing the PT-INFRA DPK with the PeopleTools Client in Update Manager Mode (PeopleSoft Environment on Microsoft Windows).

Task 4-2-2: Obtaining the PT-INFRA DPKs from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.

2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for Microsoft Windows, and download the two zip files to a temporary directory.
6. From the first downloaded zip file, PT-INFRA-DPK-WIN-8.60-<DATE>_1of2.zip, extract readme.txt and ptinfra-manifest.
Do not extract the remaining contents. You will use the intact zip files to perform the installation.
7. Review the details of the software components in ptinfra-manifest, as described in the next section.

Task 4-2-3: Reviewing the PT-INFRA DPK Manifest

To view the list of software version and patch numbers in the PT-INFRA DPK, copy the DPK to a temporary folder, extract, and locate the ptinfra-manifest file. The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=Windows
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — the operating system platform for the PeopleTools Client is Microsoft Windows
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK
If a min_tools_version is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.
- jdk_version — Java JDK patch version and CPU version, if any
- weblogic_version — Oracle WebLogic patch version and CPU version, if any
- tuxedo_version — Oracle Tuxedo patch version and CPU version, if any

Compare the software versions and patch numbers in the PT-INFRA DPK (ptinfra-manifest) with those in the PeopleTools Client DPK (ptc-manifest) and Oracle Database Client DPK (odc-manifest) to decide whether to use the PT-INFRA DPK.

For example, if the PT-INFRA DPK includes `jdk_version=11.0.15 Apr2022 CPU`, and the PeopleTools Client DPK includes `jdk_version=11.0.14 Jan2022 CPU`, you can use the PT-INFRA DPK to get the later Java JDK version. The next section describes how to use the PT-INFRA DPK.

Task 4-2-4: Installing the PT-INFRA DPKs with the PeopleTools Client in Update Manager Mode (PeopleSoft Environment on Microsoft Windows)

When you deploy the PeopleSoft Update Image on Microsoft Windows, the installation process creates the *BASE_DIR\pt\tools_client* directory, which contains the script *SetupPTClient.bat*. The *BASE_DIR\pt\tools_client* directory also includes subdirectories for the current PeopleTools Client version, and two previous versions, and a subdirectory for Oracle Database Client.

1. Copy the PT-INFRA-DPK-WIN-8.60-*<DATE>*_1of2.zip and PT-INFRA-DPK-WIN-8.60-*<DATE>*_2of2.zip into the *BASE_DIR\pt\tools_client* directory.
2. Run the *SetupPTClient.bat* script as described in the documentation.

The script uses the archives with the latest CPUs for the Java JDK and Oracle Database Client from the PT-INFRA DPKs for the PeopleTools Client installation.

The log file is saved in %USERPROFILE%\AppData\Local\Temp\PeopleSoft\PTClientDeploy.log. For example, if the USERPROFILE environment variable is C:\Users\username, the log file location is C:\Users\username\AppData\Local\Temp\PeopleSoft\PTClientDeploy.log.

Task 4-2-5: Installing the PT-INFRA DPKs with the PeopleTools Client in Update Manager Mode (PeopleSoft Environment on Linux or VirtualBox)

When you deploy the PeopleSoft Update Image with the Native OS for Linux or VirtualBox versions of the image, the DPK setup script creates the *BASE_DIR/pt/tools_client* directory, which contains the script *SetupPTClient.bat*.

Note. When using the VirtualBox version, the PeopleSoft environment is set up on a Linux VM. You can find *SetupPTClient.bat* in /opt/oracle/psft/pt/tools_client.

The DPK setup script creates a Samba Shared Drive folder system to make the Linux directory *BASE_DIR/pt/tools_client* accessible to a Microsoft Windows host.

1. On the Linux host or the VirtualBox VM, copy the PT-INFRA-DPK-WIN-8.60-*<DATE>*_1of2.zip and PT-INFRA-DPK-WIN-8.60-*<DATE>*_2of2.zip into the *BASE_DIR/pt/tools_client* directory.
2. On a Microsoft Windows host, map a drive to the Samba Shared Drive folder.

The mapped drive contains the PT-INFRA DPKs with the correct permissions to allow the script to use them from the mapped drive.

See *PeopleSoft Deployment Packages for Update Images Installation (PeopleSoft PeopleTools 8.60)*, "Using the Samba Shared Drive Folders (Linux)."

3. Run the *SetupPTClient.bat* script as described in the documentation.

The script uses the archives with the latest CPUs for the Java JDK and Oracle Database Client from the PT-INFRA DPKs for the PeopleTools Client installation.

The log file is saved in %USERPROFILE%\AppData\Local\Temp\PeopleSoft\PTClientDeploy.log. For example, if the USERPROFILE environment variable is C:\Users\username, the log file location is C:\Users\username\AppData\Local\Temp\PeopleSoft\PTClientDeploy.log.

Task 4-3: Using the PT-INFRA DPKs with an Existing PeopleTools Client Environment in Standalone Mode

This section discusses:

- Locating the Manifest in the PeopleTools Client DPK
- Obtaining the PT-INFRA DPKs from My Oracle Support
- Reviewing the PT-INFRA DPK Manifest
- Applying the PT-INFRA DPK CPUs to the PeopleTools Client Standalone Mode Environment

Task 4-3-1: Locating the Manifest in the PeopleTools Client DPK

Use the PeopleTools Client DPK on a supported Microsoft Windows computer to install utilities such as Change Assistant, PeopleSoft Test Framework, Application Designer, and so on. The PeopleTools Client DPK is one of the DPKs provided with PeopleSoft PeopleTools patches.

This section assumes that you have installed the PeopleTools Client in Standalone mode. To prepare to apply the latest PT-INFRA DPK, gather this information.

- The `ptc-manifest` file from the PeopleTools Client DPK that you originally installed with.

This assumes that the PeopleTools Client DPK that you used for the installation is available in `DPK_INSTALL`. The PeopleTools Client DPK is the fourth zip file (*filename_4of4.zip*) in the set of PeopleTools patch DPKs.

If you have not yet obtained the `ptc-manifest` file, go to `DPK_INSTALL` and extract the `ptc-manifest` from the PeopleTools Client DPK for software and CPU version information. You will compare these versions with those in the PT-INFRA DPK. Do not destroy the original zip file.

- The location where you extracted the PeopleTools Client DPK.

The directory, for example, `C:\tools_client`, contains the `SetupPTClient.bat` script.

- The installation location for the PeopleTools Client, referred to here as `PTCLIENT_HOME`.

You supply this location when running the script.

Task 4-3-2: Obtaining the PT-INFRA DPKs from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for Microsoft Windows, and download the two zip files to a temporary directory.
6. From the first downloaded zip file, PT-INFRA-DPK-WIN-8.60-*<DATE>*_1of2.zip, extract `readme.txt` and `ptinfra-manifest`.

Do not extract the remaining contents. You will use the intact zip files to perform the installation.

7. Review the details of the software components in `ptinfra-manifest`, as described in the next section.

Task 4-3-3: Reviewing the PT-INFRA DPK Manifest

The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=Windows
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK
If a min_tools_version is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.
- jdk_version — Java JDK patch version and CPU version, if any
- weblogic_version — Oracle WebLogic patch version and CPU version, if any
- tuxedo_version — Oracle Tuxedo patch version and CPU version, if any

Compare the software versions, patch numbers, and CPUs in the PT-INFRA DPK (ptinfra-manifest) with those in the PeopleTools Client DPK (ptc-manifest) to decide whether to use the PT-INFRA DPK.

For example, if the PT-INFRA DPK includes `jdk_version=11.0.15 Apr2022 CPU`, and the PeopleTools Client DPK includes `jdk_version=11.0.14 Jan2022 CPU`, you can use the PT-INFRA DPK to get the later JDK version. The next section describes how to use the PT-INFRA DPK.

Note. When you use the `--apply_infra_cpu` option, only the CPUs listed in the ptinfra-manifest are applied to existing environments.

Task 4-3-4: Applying the PT-INFRA DPK CPUs to the PeopleTools Client Standalone Mode Environment

After comparing the software components:

1. Copy the two zip files, PT-INFRA-DPK-WIN-8.60-<DATE>_1of2.zip and PT-INFRA-DPK-WIN-8.60-<DATE>_2of2.zip, from the temporary directory into the directory where you extracted the PeopleTools Client DPK, such as C:\tools_client.

Note. This is the directory containing the SetupPTClient.bat script.

2. Open a new command prompt.
3. Run the script with this command, and supply the full path to the existing installation location for the PeopleTools Client, *PTCLIENT_HOME*.

```
SetupPTClient.bat -t -apply_infra_cpu -ptclient_home PTCLIENT_HOME
```

For example:

```
SetupPTClient.bat -t -apply_infra_cpu -ptclient_home C:\PT8.60_Client_→  
ORA
```

The script applies the CPUs for the Java JDK from the PT-INFRA DPK.

Follow the procedure in *PeopleTools 8.60 Deployment Packages Installation*, "Deploying the PeopleTools Client DPK," Deploying the PeopleTools Client DPK.

The log file is saved in

%USERPROFILE%\AppData\Local\Temp\PeopleSoft\psft_dpk_setup_apply_infra_cpu.log. For example, if the USERPROFILE environment variable is C:\Users\username, the log file location is C:\Users\username\AppData\Local\Temp\PeopleSoft\psft_dpk_setup_apply_infra_cpu.log.

Task 4-4: Using the PT-INFRA DPKs with an Existing PeopleTools Client Environment in Update Manager Mode

This section discusses:

- Locating the Manifests for the PeopleTools Client in Update Manager Mode
- Obtaining the PT-INFRA DPKs from My Oracle Support
- Reviewing the PT-INFRA DPK Manifest
- Reviewing the SetupPTClient.bat Script Options
- Applying the PT-INFRA DPK CPUs to the PeopleTools Client Update Manager Mode Environment (Microsoft Windows)
- Applying the PT-INFRA DPK CPUs to the PeopleTools Client Update Manager Mode Environment (Linux or VirtualBox)

Task 4-4-1: Locating the Manifests for the PeopleTools Client in Update Manager Mode

The PeopleSoft Update Image environment includes the SetupPTClient.bat script for setting up PeopleTools client tools such as Change Assistant, Configuration Manager, and Application Designer, as well as an Oracle Database Client. You install the PeopleTools Client in Update Manager mode to use in applying PUM maintenance. When you use the PT-INFRA DPK with an existing PeopleTools Client installation, it applies CPUs, if available, for the Oracle Database Client and Java JDK.

This section assumes that you have installed the PeopleTools Client in Update Manager mode.

See *PeopleSoft Deployment Packages for Update Images Installation (PeopleSoft PeopleTools 8.60)*, PeopleSoft Update Image (PUM) Home Page, My Oracle Support, Doc ID 1641843.2.

To prepare to apply the latest PT-INFRA DPK, gather this information:

- Locate the PeopleTools Client DPK and the ptc-manifest.

The DPK zip files that you downloaded for the PeopleSoft Update Image include PeopleTools Client installations for all supported PeopleSoft PeopleTools versions. You need the PeopleTools Client DPK for the current release, which is the sixth zip file in the set.

Extract the ptc-manifest from the sixth zip file of the DPKs you downloaded for the image, to review the

software and CPU version information. For the Native OS for Linux and Windows versions, the sixth zip file is *filename_6of11.zip*. For the VirtualBox version, it is *filename_6of12.zip*. You will compare these software versions with those in the PT-INFRA DPK. Do not destroy the original zip file.

- Locate the Oracle Database Client DPK and the odc-manifest.

The DPK zip files that you downloaded for the PeopleSoft Update Image include a DPK for the Oracle Database Client, which is the seventh zip file in the set.

Extract the odc-manifest from the seventh zip file of the DPKs you downloaded for the image, to review the software and CPU version information. For the Native OS for Linux and Windows versions, the seventh zip file is *filename_7of11.zip*. For the VirtualBox version, it is *filename_7of12.zip*. You will compare these software versions with those in the PT-INFRA DPK. Do not destroy the original zip file.

- Locate the directory containing the SetupPTClient.bat script and subdirectories for the PeopleTools Clients and Oracle Database Client.
 - If you installed the PeopleSoft Update Image on Microsoft Windows or Linux, *BASE_DIR\pt\tools_client* contains the SetupPTClient.bat script.
 - If you installed the PeopleSoft Update Image on VirtualBox, */opt/oracle/psft/pt/tools_client* contains the SetupPTClient.bat script.
 - If you installed on Linux or VirtualBox, you mapped a drive on a Microsoft Windows host to the Samba Shared Drive folder for the *tools_client* directory.
- Locate the installation directory for the PeopleTools Client for the current release, referred to here as *PTCLIENT_HOME*.

You supply this location when running the script.

- Locate the installation directory for the Oracle Database Client, referred to here as *ORACLE_CLIENT_HOME*.

You supply this location when running the script.

The process that you follow to use the PT-INFRA DPKs to apply CPUs depends upon the operating system where you deployed the PeopleSoft Update Image.

- If you installed the PeopleSoft Update Image on Microsoft Windows using the Native OS Windows version of the image, follow the instructions in Applying the PT-INFRA DPK CPUs to the PeopleTools Client Update Manager Mode Environment (Microsoft Windows).
- If you installed the PeopleSoft Update Image using the Native OS Linux to install on a Linux host, follow the instructions in Applying the PT-INFRA DPK CPUs to the PeopleTools Client Update Manager Mode Environment (Linux or VirtualBox).
- If you installed the PeopleSoft Update Image using VirtualBox, to install a Linux guest VM on a Microsoft Windows host, follow the instructions in Applying the PT-INFRA DPK CPUs to the PeopleTools Client Update Manager Mode Environment (Linux or VirtualBox).

Task 4-4-2: Obtaining the PT-INFRA DPKs from My Oracle Support

To obtain the PT-INFRA DPKs and the manifest:

1. Sign in to My Oracle Support.
2. Select the Patches & Updates tab.
3. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.
4. To filter the results, add a search criteria for Description, and enter PT-INFRA.
5. In the list of results, locate the PT-INFRA DPK entry for Microsoft Windows, and download the two zip files to a temporary directory.

6. From the first downloaded zip file, PT-INFRA-DPK-WIN-8.60-<DATE>_1of2.zip, extract readme.txt and ptinfra-manifest.

Do not extract the remaining contents. You will use the intact zip files to perform the installation.

7. Review the details of the software components in ptinfra-manifest, as described in the next section.

Task 4-4-3: Reviewing the PT-INFRA DPK Manifest

The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=Windows
tools_version=8.60
min_tools_version=
oracleclient_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.60
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK
If a min_tools_version is specified, such as 8.60.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.60.02 or later.
- jdk_version — Java JDK patch version and CPU version, if any
- weblogic_version — Oracle WebLogic patch version and CPU version, if any
- tuxedo_version — Oracle Tuxedo patch version and CPU version, if any

Compare the software versions, patch numbers, and CPUs in the PT-INFRA DPK (ptinfra-manifest) with those in the PeopleTools Client DPK (ptc-manifest) and Oracle Database Client DPK (odc-manifest) to decide whether to use the PT-INFRA DPK. If there are CPUs that are later than those on your existing environment, you can use it.

For example, if the PT-INFRA DPK includes `jdk_version=11.0.15 Apr2022 CPU`, and the PeopleTools Client DPK includes `jdk_version=11.0.14 Jan2022 CPU`, you can use the PT-INFRA DPK to get the later JDK CPU. The following sections describe how to use the PT-INFRA DPK.

Note. When you use the `--apply_infra_cpu` option, only the CPUs listed in the ptinfra-manifest are applied to existing environments.

Task 4-4-4: Reviewing the SetupPTClient.bat Script Options

The script to use the PT-INFRA DPK to apply CPUs for an existing PeopleTools Client and Oracle Database Client installation includes the following options.

Note. Line feeds have been added to the script commands for readability.

Deployment	Script Command
Apply CPUs for Java JDK.	SetupPTClient.bat -apply_infra_cpu -ptclient_home <PTCLIENT_HOME>
Apply CPUs for both Java JDK and Oracle Database Client.	SetupPTClient.bat -apply_infra_cpu -ptclient_home <PTCLIENT_HOME> -oracleclient_home <ORACLE_CLIENT_HOME>

Task 4-4-5: Applying the PT-INFRA DPK CPUs to the PeopleTools Client Update Manager Mode Environment (Microsoft Windows)

Use these steps to apply the PT-INFRA DPKs if you installed the PeopleSoft Update Image on Microsoft Windows:

1. Locate the directory, such as C:\tools_client, set up for the PeopleTools Clients and Oracle Database Client.
The directory contains the SetupPTClient.bat script.
2. Copy the PT-INFRA-DPK-WIN-8.60-<DATE>_1of2.zip and PT-INFRA-DPK-WIN-8.60-<DATE>_2of2.zip from the temporary directory into the C:\tools_client directory.
3. Open a new command prompt and change directory to C:\tools_client.
4. Run the DPK setup script with this command to apply CPUs for Java JDK.

See the table in the Reviewing the SetupPTClient.bat Script Options section for other options.

```
SetupPTClient.bat -apply_infra_cpu -ptclient_home PTCLIENT_HOME
```

For example:

```
SetupPTClient.bat -apply_infra_cpu -ptclient_home C:\PT8.60_Client
```

The log file is saved in

%USERPROFILE%\AppData\Local\Temp\PeopleSoft\psft_dpk_setup_apply_infra_cpu.log. For example, if the USERPROFILE environment variable is C:\Users\username, the log file location is C:\Users\username\AppData\Local\Temp\PeopleSoft\psft_dpk_setup_apply_infra_cpu.log.

Task 4-4-6: Applying the PT-INFRA DPK CPUs to the PeopleTools Client Update Manager Mode Environment (Linux or VirtualBox)

Use these steps to apply the PT-INFRA DPKs if you installed the PeopleSoft Update Image on Linux or VirtualBox:

1. On the Linux host or VirtualBox VM, locate the directory set up for the PeopleTools Clients and Oracle Database Client.
On a Linux host, the directory is *BASE_DIR*/pt/tools_client. On a VirtualBox VM, the directory is /opt/oracle/psft/pt/tools_client. This directory contains the SetupPTClient.bat script.
2. On the Linux host or VirtualBox VM, copy PT-INFRA-DPK-WIN-8.60-<DATE>_1of2.zip and PT-INFRA-DPK-WIN-8.60-<DATE>_2of2.zip from the temporary directory into the tools_client directory.
3. On a Microsoft Windows host, map a drive to the Samba Shared drive folder for the tools_client directory, if you have not done so already.

4. On the Microsoft Windows host, open a new command prompt and go to the tools_client directory you mapped.
5. Run the DPK setup script with this command to apply CPUs for Java JDK.

See the table in the Reviewing the SetupPTClient.bat Script Options section for other options.

```
SetupPTClient.bat -apply_infra_cpu -ptclient_home PTCLIENT_HOME
```

For example:

```
SetupPTClient.bat -apply_infra_cpu -ptclient_home C:\PT8.60_Client
```

The log file is saved in

%USERPROFILE%\AppData\Local\Temp\PeopleSoft\psft_dpk_setup_apply_infra_cpu.log. For example, if the USERPROFILE environment variable is C:\Users\username, the log file location is C:\Users\username\AppData\Local\Temp\PeopleSoft\psft_dpk_setup_apply_infra_cpu.log.

