

PeopleSoft PeopleTools 8.63

PeopleTools Middleware Deployment Package Installation



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About This Documentation

Understanding the PeopleSoft Online Help and PeopleBooks

The PeopleSoft Online Help is a website that enables you to view all help content for PeopleSoft applications and PeopleTools. The help provides standard navigation and full-text searching, as well as context-sensitive online help for PeopleSoft users.

Hosted PeopleSoft Online Help

You can access the hosted PeopleSoft Online Help on the Oracle Help Center. The hosted PeopleSoft Online Help is updated on a regular schedule, ensuring that you have access to the most current documentation. This reduces the need to view separate documentation posts for application maintenance on My Oracle Support. The hosted PeopleSoft Online Help is available in English only. To configure the context-sensitive help for your PeopleSoft applications to use the Oracle Help Center, see *Configuring Context-Sensitive Help Using the Hosted Online Help*.

Downloadable PeopleSoft PDF Files

You can access downloadable PDF versions of the help content in the traditional PeopleBook format on the Oracle Help Center. The content in the PeopleBook PDFs is the same as the content in the PeopleSoft Online Help, but it has a different structure and it does not include the interactive navigation features that are available in the online help.

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.

Convention	Description
<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.
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 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>

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.

1

Preparing to Deploy

Understanding the PeopleTools Middleware DPKs

Overview

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 <Release> Deployment Packages Installation*, “Learning About the PeopleSoft Deployment Package,” Reviewing the Deployment Packages.

You can build or obtain separate PeopleTools Middleware DPKs (PT-MW-DPKs) 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 for an existing environment. This documentation describes how to use the PT-MW-DPKs.

Note

Prior to PeopleTools 8.63, the PeopleTools Middleware DPKs were called PeopleTools Infrastructure DPKs (PT-INFRA-DPKs). Another change in this release is that the PeopleTools Middleware DPKs cannot be used for new installations. They can only be used to apply CPUs on existing PeopleSoft environments.

Oracle mandates critical patch update (CPU) releases from Oracle products at regular intervals. The PT-MW-DPKs install the supporting software components listed in this section, which include CPUs and CSPUs (critical security patch updates). Keep in mind that Oracle may provide security fixes after the PT-MW-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-MW-DPKs posting, you are responsible for obtaining and applying those manually.

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

Using PeopleTools Middleware DPK Builder Tool in PeopleTools 8.61 and PeopleTools 8.62

The Middleware DPK Builder tool was released with PeopleTools 8.63, however, it can be used also with PeopleTools 8.61 and PeopleTools 8.62. The PeopleTools 8.63 documentation for the

Middleware DPK Builder tool applies also to its usage with PeopleTools 8.61 and PeopleTools 8.62. Customers on PeopleTools 8.61.23 or lower or PeopleTools 8.62.13 or lower, must apply the Middleware DPK Builder Enablement Patch to take advantage of the Middleware DPK Builder.

To download the patch:

1. To access the patch search functionality, select Patches at the top of the My Oracle Support home page to display the Patch Search frame.
2. Enter *PeopleSoft PeopleTools* in the **Product** field.
3. Select *PeopleSoft PeopleTools 8.61* or *PeopleSoft PeopleTools 8.62* in the **Release** field.
4. Locate the Middleware DPK Builder Enablement Patch named *PTMWDPK-ENABLEMENT-861-[DATE].zip* or *PTMWDPK-ENABLEMENT-862-[DATE].zip*.
5. Download and extract the patch and use the instructions in the readme file to apply the package.

After applying the patch, use the Middleware DPK Builder documentation for reference and usage. For more information, see *Understanding the PeopleTools Middleware DPK Builder Tool*.

 Note

The PeopleTools 8.63 Middleware DPK Builder documentation applies to PeopleTools 8.63, PeopleTools 8.62, and PeopleTools 8.61 Middleware DPK Builder usage.

Understanding the PeopleTools Middleware DPK Sources

You can choose to build or download the PeopleTools Middleware DPK.

Building the PeopleTools Middleware DPK

Use the PeopleTools Middleware DPK Builder tool to generate a Middleware DPK when needed. The PeopleTools Middleware DPK Builder tool increases your control over when to download and apply CPUs from My Oracle Support. Use the PeopleTools Middleware DPK Builder tool to automate the download of the CPUs for all or selective Middleware components (WebLogic, Tuxedo, Java, and Oracle Database Client) as close to the time that they are publicly available as your business requires. The PeopleTools Middleware DPK Builder tool can also build a Middleware DPK with just the CPUs you specify, which can be used to apply the CPUs to an existing PeopleSoft environment.

See *PeopleTools Middleware DPK Builder*.

Obtaining the PeopleTools Middleware DPK from My Oracle Support

The PT-MW-DPKs are posted on My Oracle Support in the Patches area. There is no published schedule or notification. Follow the instructions in this documentation to find the latest version.

To obtain the PT-MW-DPK and the manifest:

1. Sign in to My Oracle Support.
2. Select Patches at the top of the My Oracle Support home page.
3. On the Patch Search page that appears, enter PeopleSoft Enterprise PT PeopleTools for the Product.

4. Select the current PeopleSoft PeopleTools release from the Release drop-down list.
5. Click Apply.
6. In the list of results, locate the PT-MW-DPK entry for your operating system, and download the zip file to a temporary directory.
7. Extract readme.txt and ptmw-manifest from the downloaded zip file, but do not extract the remaining contents.
You will use the intact zip files to perform the installation.
8. Review the details of the software components in ptmw-manifest, as described later in this documentation.

Understanding the PeopleTools Middleware DPK Name and Contents

The PT-MW-DPKs that you build or download from My Oracle Support are zip files. Be sure to read these instructions before you unzip.

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

PT-MW-DPK-<OS>-8.63-<DATE>.zip.

- <OS> is one of these operating systems:
 - LNX for Linux
 - WIN for Microsoft Windows
 - <DATE> is the date that the DPK was made available, with the format year-month-day (yymmdd).
1. Download from My Oracle Support and ensure there is sufficient disk space before extracting.
 2. Extract the downloaded package PT-MW-DPK-<OS>-8.63-<DATE>.zip using the native archive extraction utility for your operating system.
 3. The extraction produces the following files:
 - cpu_archives directory — The script uses this directory to apply CPUs to installed software components (third-party) on a deployed environment.
 - PatchTuxedoInPSHOME.py
 - psft_patches.yaml
 - ptmw-manifest file — This file lists the included software versions.
 - readme.txt

Understanding the PeopleTools Middleware DPK Deployment with Existing Environments

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

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

- The PT-MW-DPKs, as well as the PeopleTools patch DPKs, PeopleSoft Client DPK, PeopleSoft Update Images, or the OSK DPK, must be based on PeopleSoft PeopleTools 8.63.
- You have retained the DPKs used to install the existing environment.

To use the PT-MW-DPKs to apply the CPUs, you use the DPK setup script from the original set of DPKs.

- Use the PT-MW-DPKs for these environment types:
 - PeopleSoft Update Images, for performing PUM maintenance
 - PeopleSoft Update Images used for a 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 OpenSearch, OpenSearch Dashboards, and Logstash (OSK) DPK
- You deployed the environment using the DPK setup script.

The PT-MW-DPK depends upon information generated by the DPK deployment, based upon your input. If that information is not available, the PT-MW-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-MW-DPK process will use that location to apply CPUs. If you install mid-tier components manually, (without using the DPK setup process), the PT-MW-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 can compare the included software component versions in the manifest delivered in the PT-MW-DPKs. Note that the PT-MW-DPKs are not delivered on the same schedule as the PeopleSoft product DPKs discussed here. The PT-MW-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-MW-DPKs with Existing Installations” to review the manifest and perform the deployment.

To apply the CPUs, you will include the PT-MW-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-MW-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-MW-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-MW-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-MW-DPK process.

Prerequisites

Reviewing Hardware Prerequisites

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

Reviewing Software Prerequisites

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

2

Using the PT-MW-DPKs with Existing Environments

Using the PT-MW-DPKs with an Existing PeopleSoft PeopleTools Patch Environment

This section includes these topics:

- Locating the Manifest in the PeopleTools Patch DPKs
- Building or Obtaining the PT-MW-DPKs
- Reviewing the PT-MW-DPK Manifest
- Applying the PT-MW-DPKs to the PeopleTools Patches Environment

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-MW-DPK. Do not destroy the original zip file.

See [Reviewing the PT-MW-DPK Manifest](#).

See Also

PeopleTools <Release> Deployment Packages Installation

Building or Obtaining the PT-MW-DPK

You can build the PT-MW-DPK using the PeopleTools Middleware DPK Builder, or download it from My Oracle Support.

Refer to [Understanding the PeopleTools Middleware DPK Sources](#) for details.

Reviewing the PT-MW-DPK Manifest

The ptmw-manifest file includes the following items:

```
type=mw
platform=<OS>
tools_version=8.63
min_tools_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
oracleclient_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.63
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-MW-DPK

If a min_tools_version is specified, such as 8.63.03, you must use this PT-MW-DPK only for installations with PeopleSoft PeopleTools versions 8.63.03 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
- oracleclient_version — Oracle Database Client version, if any.

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

For example, if the PT-MW-DPK includes jdk_version=21.0.12, and the PeopleSoft Update Image DPKs include jdk_version=21.0.09, you can use the PT-MW-DPK to get the later JDK CPU.

Note

When you use the `--apply_mw_cpu` option, only the CPUs listed in the ptmw-manifest are applied to existing environments.

Applying the PT-MW-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-MW-DPK-<OS>-8.63-<DATE>.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_mw_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-MW-DPK on an existing environment is named *psft_dpk_setup_apply_mw_cpu.log*, and is saved in *DPK_INSTALL/setup*.

Using the PT-MW-DPKs with an Existing PeopleSoft Update Image Environment

This section includes the following topics:

- Locating the Manifest in the PeopleSoft Update Images
- Building or Obtaining the PT-MW-DPKs
- Reviewing the PT-MW-DPK Manifest
- Applying the PT-MW-DPKs to the PeopleSoft Update Image Environment

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-MW-DPK. Do not destroy the original zip file.

See [Reviewing the PT-MW-DPK Manifest](#).

See Also

[PeopleSoft Update Manager \(PUM\) Home Page \(My Oracle Support, Article ID KA615\)](#)

Building or Obtaining the PT-MW-DPK

You can build the PT-MW-DPK using the PeopleTools Middleware DPK Builder, or download it from [My Oracle Support](#).

Refer to [Understanding the PeopleTools Middleware DPK Sources](#) for details.

Reviewing the PT-MW-DPK Manifest

The ptmw-manifest file includes the following items:

```
type=mw
platform=<OS>
tools_version=8.63
min_tools_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
oracleclient_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.63
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-MW-DPK

If a min_tools_version is specified, such as 8.63.03, you must use this PT-MW-DPK only for installations with PeopleSoft PeopleTools versions 8.63.03 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
- oracleclient_version — Oracle Database Client version, if any.

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

For example, if the PT-MW-DPK includes jdk_version=21.0.12, and the PeopleSoft Update Image DPKs include jdk_version=21.0.09, you can use the PT-MW-DPK to get the later JDK CPU.

Note

When you use the `--apply_mw_cpu` option, only the CPUs listed in the `ptmw-manifest` are applied to existing environments.

Applying the PT-MW-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 zip file, `PT-MW-DPK-<OS>-8.63-<DATE>.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_mw_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-MW-DPK on an existing environment is named `psft_dpk_setup_apply_mw_cpu.log`, and is saved in *DPK_INSTALL/setup*.

Using the PT-MW-DPKs When Upgrading OpenSearch

This section includes the following topics:

- Building or Obtaining the PT-MW-DPK
- Reviewing the PT-MW-DPK Manifest
- Upgrading OpenSearch

Note

You can use the PT-MW-DPKs to obtain the latest JDK when upgrading an OpenSearch installation. The JDK will be included in the upgraded OpenSearch. This is the only supported process for using the PT-MW-DPKs with an existing OpenSearch installation. See *PeopleSoft Deployment Packages Installation for Search Components (PeopleSoft PeopleTools 8.63)*, "Upgrading OpenSearch and OpenSearch Dashboards."

Building or Obtaining the PT-MW-DPK

You can build the PT-MW-DPK using the PeopleTools Middleware DPK Builder, or download it from My Oracle Support.

Refer to [Understanding the PeopleTools Middleware DPK Sources](#) for details.

Reviewing the PT-MW-DPK Manifest

The ptmw-manifest file includes the following items:

```
type=mw
platform=<OS>
tools_version=8.63
min_tools_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
oracleclient_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.63
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-MW-DPK

If a min_tools_version is specified, such as 8.63.03, you must use this PT-MW-DPK only for installations with PeopleSoft PeopleTools versions 8.63.03 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
- oracleclient_version — Oracle Database Client version, if any.

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

For example, if the PT-MW-DPK includes `jdk_version=21.0.12`, and the PeopleSoft Update Image DPKs include `jdk_version=21.0.09`, you can use the PT-MW-DPK to get the later JDK CPU.

Note

When you use the `--apply_mw_cpu` option, only the CPUs listed in the `ptmw-manifest` are applied to existing environments.

Upgrading OpenSearch

After comparing the software components, follow the procedure in *PeopleSoft Deployment Packages Installation for Search Components (PeopleSoft PeopleTools 8.63)*, “Upgrading OpenSearch and OpenSearch Dashboards.”

Note

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

3

Using the PT-MW-DPKs with the PeopleTools Client DPK

Using the PT-MW-DPKs with an Existing PeopleTools Client Environment in Standalone Mode

This section includes the following topics:

- Locating the Manifest in the PeopleTools Client DPK
- Building or Obtaining the PT-MW-DPKs
- Reviewing the PT-MW-DPK Manifest
- Applying the PT-MW-DPK CPUs to the PeopleTools Client Standalone Mode Environment

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-MW-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-MW-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.

Building or Obtaining the PT-MW-DPK

You can build the PT-MW-DPK using the PeopleTools Middleware DPK Builder, or download it from My Oracle Support.

Refer to [Understanding the PeopleTools Middleware DPK Sources](#) for details.

Reviewing the PT-MW-DPK Manifest

The ptmw-manifest file includes the following items:

```
type=mw
platform=<OS>
tools_version=8.63
min_tools_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
oracleclient_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.63
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-MW-DPK

If a min_tools_version is specified, such as 8.63.03, you must use this PT-MW-DPK only for installations with PeopleSoft PeopleTools versions 8.63.03 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
- oracleclient_version — Oracle Database Client version, if any.

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

For example, if the PT-MW-DPK includes jdk_version=21.0.12, and the PeopleSoft Update Image DPKs include jdk_version=21.0.09, you can use the PT-MW-DPK to get the later JDK CPU.

Note

When you use the --apply_mw_cpu option, only the CPUs listed in the ptmw-manifest are applied to existing environments.

Applying the PT-MW-DPK CPUs to the PeopleTools Client Standalone Mode Environment

After comparing the software components:

1. Copy the zip files, PT-MW-DPK-WIN-8.63-<DATE>.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_mw_cpu -ptclient_home PTCLIENT_HOME
```

For example:

```
SetupPTClient.bat -t -apply_mw_cpu -ptclient_home C:\PT8.63_Client_ORA
```

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

Follow the procedure in *PeopleTools <Release> 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_mw_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_mw_cpu.log.

Using the PT-MW-DPKs with an Existing PeopleTools Client Environment in Update Manager Mode

This section includes the following topics:

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

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-MW-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 8.63)* on Oracle Help Center for your PeopleSoft application.

To prepare to apply the latest PT-MW-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-MW-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-MW-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 NFS share 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-MW-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-MW-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-MW-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-MW-DPK CPUs to the PeopleTools Client Update Manager Mode Environment (Linux or VirtualBox)*.

Building or Obtaining the PT-MW-DPK

You can build the PT-MW-DPK using the PeopleTools Middleware DPK Builder, or download it from My Oracle Support.

Refer to [Understanding the PeopleTools Middleware DPK Sources](#) for details.

Reviewing the PT-MW-DPK Manifest

The ptmw-manifest file includes the following items:

```
type=mw
platform=<OS>
tools_version=8.63
min_tools_version=<version>
jdk_version=<version>
weblogic_version=<version>
tuxedo_version=<version>
oracleclient_version=<version>
```

The manifest entries are:

- type — DPK type
- platform — operating system platform
- tools_version — PeopleSoft PeopleTools release, such as 8.63
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-MW-DPK

If a min_tools_version is specified, such as 8.63.03, you must use this PT-MW-DPK only for installations with PeopleSoft PeopleTools versions 8.63.03 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
- oracleclient_version — Oracle Database Client version, if any.

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

For example, if the PT-MW-DPK includes jdk_version=21.0.12, and the PeopleSoft Update Image DPKs include jdk_version=21.0.09, you can use the PT-MW-DPK to get the later JDK CPU.

Note

When you use the --apply_mw_cpu option, only the CPUs listed in the ptmw-manifest are applied to existing environments.

Reviewing the SetupPTClient.bat Script Options

The script to use the PT-MW-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_mw_cpu -ptclient_home <PTCLIENT_HOME>
Apply CPUs for both Java JDK and Oracle Database Client.	SetupPTClient.bat -apply_mw_cpu -ptclient_home <PTCLIENT_HOME> -oracleclient_home <ORACLE_CLIENT_HOME>

Applying the PT-MW-DPK CPUs to the PeopleTools Client Update Manager Mode Environment (Microsoft Windows)

Use these steps to apply the PT-MW-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-MW-DPK-WIN-8.63-<DATE>.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_mw_cpu -ptclient_home PTCLIENT_HOME
```

For example:

```
SetupPTClient.bat -apply_mw_cpu -ptclient_home C:\PT8.63_Client
```

The log file is saved in %USERPROFILE%\AppData\Local\Temp\PeopleSoft\psft_dpk_setup_apply_mw_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_mw_cpu.log.

Applying the PT-MW-DPK CPUs to the PeopleTools Client Update Manager Mode Environment (Linux or VirtualBox)

Use these steps to apply the PT-MW-DPK 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-MW-DPK-WIN-8.63-<DATE>.zip from the temporary directory into the *tools_client* directory.
3. On a Microsoft Windows host, map a drive to the NFS share 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_mw_cpu -ptclient_home PTCLIENT_HOME
```

For example:

```
SetupPTClient.bat -apply_mw_cpu -ptclient_home C:\PT8.63_Client
```

The log file is saved in %USERPROFILE%\AppData\Local\Temp\PeopleSoft\psft_dpk_setup_apply_mw_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_mw_cpu.log.