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PeopleSoft

PeopleSoft PeopleTools 8.61 Deployment Packages Installation on HP-UX

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About This Documentation

This preface discusses:

- Understanding This Documentation
- Audience
- Typographical Conventions
- Products
- Related Information
- Comments and Suggestions

Understanding This Documentation

This documentation is designed to direct you through a basic PeopleSoft installation. It is not a substitute for the database administration documentation provided by your relational database management system (RDBMS) vendor, the network administration documentation provided by your network vendor, or the installation and configuration documentation for additional software components that are used with PeopleSoft products.

This documentation is divided into two parts. The chapters in Part 1 include the information that is required to complete a basic PeopleSoft installation. The chapters and appendices in Part 2 include information for less common or optional tasks.

Addenda to the recent PeopleTools installation guides are periodically posted in My Oracle Support on the same page as the initial posting.

This documentation includes the instructions for installing Oracle's PeopleSoft PeopleTools and PeopleSoft applications. You also need the installation instructions that are specific to your PeopleSoft application, which are provided in a separate document for the PeopleSoft application. For instance, if you are installing Oracle's PeopleSoft Customer Relationship Management (CRM), you need both this installation guide and the additional instructions provided for installing PeopleSoft CRM.

To find the installation documentation for PeopleSoft PeopleTools or for your PeopleSoft application, go to My Oracle Support or Oracle Help Center and search for the installation guide for your product and release.

Note. Before proceeding with your installation, check My Oracle Support and Oracle Help Center to ensure that you have the latest version of this installation guide for the correct release of the PeopleSoft product that you are installing.

Audience

This documentation is written for the individuals responsible for installing and administering the PeopleSoft environment. This documentation assumes that you have a basic understanding of the PeopleSoft system. One of the most important components in the installation and maintenance of your PeopleSoft system is your on-site expertise.

You should be familiar with your environment, including operating system, hardware, and RDBMS, and have the necessary skills, permissions, and access to support that environment. You should also have a working knowledge of:

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- SQL and SQL command syntax.
- PeopleSoft system navigation.
- PeopleSoft windows, menus, and pages, and how to modify them.
- Microsoft Windows, Linux or UNIX

Oracle recommends that you complete training, particularly a PeopleSoft administration and installation course, before performing an installation.

The PeopleSoft Training Center includes various choices for training, including instructor-led training offered by Oracle partners.

See PeopleSoft Information Portal, https://docs.oracle.com/cd/E52319_01/infoportal/training.html.

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.
Italics	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 *O*. Italics are also used to indicate user-supplied information. For example, the term *domain* 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 <*PS_CFG_HOME*>/appserv/<*domain*> 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.

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Convention	Description
Cross-references	Cross-references that begin with *See* 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 *See Also* 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 *Note.* 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 *Important!* 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 *Warning!* 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

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- 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.

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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.

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Chapter 1

Prerequisites

This chapter discusses:

- Reviewing Hardware Requirements
- Reviewing Software Requirements
- Reviewing the Oracle Central Inventory File Location and Permissions
- Obtaining and Installing JDK for HP-UX

Task 1-1: Reviewing Hardware Requirements

You can install the PeopleSoft PeopleTools deployment packages (DPKs) directly on a system running an HP-UX operating system. The PeopleSoft Application Images and PeopleSoft PeopleTools DPKs are certified to run on those operating systems that are certified for the current PeopleSoft PeopleTools release. The HP-UX system can be a physical computer (sometimes called "bare-metal") or a virtual machine.

- *Host computer*: The PeopleSoft DPKs can be deployed on any supported HP-UX host, either a physical computer or virtual machine.

  If you deploy on a virtual host computer, you are responsible for provisioning the virtual machine before beginning the deployment.
- *Host operating system*: The host operating system must be a 64-bit platform that is certified by Oracle for PeopleSoft systems.

  See My Oracle Support, Certifications.

  See PeopleSoft PeopleTools Certifications, My Oracle Support, Doc ID 747587.1, for help searching PeopleSoft Certifications.
- *RAM (Memory)*: A minimum of 8 GB RAM is required to run a PeopleSoft environment.
- *Disk space*: The disk space requirements vary depending upon the type of environment you set up.
  - 25–35 GB free disk space for the downloaded zip files

    You may remove these files after you have successfully initialized your virtual machine.
  - 25 GB free disk space is required to deploy and set up a mid-tier PeopleSoft environment.

Task 1-2: Reviewing Software Requirements

Here are the software requirement for using the PeopleSoft Deployment Packages on HP-UX Itanium.

- Fulfill the requirements for HP-UX in My Oracle Support Certifications for PeopleSoft PeopleTools 8.61.
- Install the following patches for HP-UX 11.31.

  PHCO_43503, PHKL_38038, PHKL_38938, PHKL_40941, PHSS_36354, PHSS_37042, PHSS_37959,

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PHSS_38141, PHSS_39094, PHSS_39100, PHSS_39102

- Install the following for Oracle C++, Oracle C++ Call Interface, Pro*C/C++, Oracle XML Developer's Kit (XDK)

  Install Compiler Version: A.06.20 (HP C/aC++ Swlist Bundle - C.11.31.04) - Sep 2008.

  Patch for HP-UX 11i V3 (11.31) on HP-UX Itanium: PHSS_39824, PHSS_39826
- Install the following package from the Hewlett-Packard site:
  - gettext-0.19.8.1-ia64_64-11.31.depot (http://hpux.connect.org.uk/hppd/hpux/Gnu/gettext-0.19.8.1/)
  - libunistring-0.9.9-ia64_64-11.31.depot (http://hpux.connect.org.uk/hppd/hpux/Development/Libraries/libunistring-0.9.9/)
  - libiconv-1.15-ia64_64-11.31.depot (http://hpux.connect.org.uk/hppd/hpux/Development/Libraries/libiconv-1.15/)
- The user that deploys the HP-UX DPKs must be a non-root user that is part of the oinstall group.
- Verify the Oracle central inventory file.

  See Reviewing the Oracle Central Inventory File Location and Permissions.
- Utilities for extracting the DPK zip files

  Install tar and zip/unzip utilities from Hewlett Packard and add the locations to your PATH:

  1. Go to HP-UX Porting & Archiving Centre, at http://hpux.connect.org.uk.
  2. Follow the instructions on the HP-UX Porting & Archiving Centre to install tar and its runtime dependencies, gettext, libiconv, and libunistring.
  3. Install zip/unzip from the HP-UX Porting & Archiving Centre, at http://hpux.connect.org.uk.
  4. Add the installation locations for tar, zip, and unzip to PATH.

     Make sure that the installation location for tar is first in the PATH. For example, if you installed tar to /usr/local/bin:

     ```
     export PATH=/usr/local/bin:$PATH
     ```

  5. Set LD_LIBRARY_PATH. For example, if your installation location above was in /usr/local:

     ```
     export LD_LIBRARY_PATH=/usr/local/lib${LD_LIBRARY_PATH+:$LD_LIBRARY_⇒
     PATH}
     ```
- JDK 11

  See Obtaining and Installing JDK for HP-UX.

Task 1-3: Reviewing the Oracle Central Inventory File Location and Permissions

This section discusses:

- Understanding the Oracle Central Inventory File (oraInst.loc)
- Verifying oraInst.loc

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Understanding the Oracle Central Inventory File (oraInst.loc)

The installation of Oracle products on HP-UX creates a central inventory location file named oraInst.loc. If you have previously installed Oracle software on the system, the oraInst.loc file may already exist. The oraInst.loc file is installed by default under /var/opt/oracle on HP-UX.

This file identifies the name of the Oracle Inventory group, and the path of the Oracle central inventory directory. The Oracle Inventory group is an operating system group that has permission to write to the central inventory. The central inventory directory holds the Oracle inventory.xml file, which lists the installation locations for Oracle products. For a PeopleSoft installation, the Oracle 19c Database Server and Database Client will use this central inventory location. If the file is not set up correctly, or does not have the correct permissions, it may lead to problems with the installation of Oracle database software.

See *Database Installation Guide for Linux,* "Determining if an Oracle Inventory and Oracle Inventory Group Exist."

The oraInst.loc file contains only the following two lines:

```
inventory_loc=central_inventory_location
inst_group=Oracle_inventory_group
```

Task 1-3-1: Verifying oraInst.loc

Before installing, check for an existing oraInst.loc file in /var/opt/oracle. If the file exists, ensure that it fulfills these requirements.

- The existing oraInst.loc file must be accessible for reading.
- The entries for inventory_loc and inst_group are present.
- The directory defined by inventory_loc is present.
- The *Oracle_inventory_group* is oinstall.

  ```
  inst_group=oinstall
  ```

If the oraInst.loc does not fulfill all of the requirements, delete oraInst.loc.

If there is no existing oraInst.loc, or if you delete the existing one, the root user must create a new one. The recommended location for oraInst.loc is /srv/dpk/oracle. Ensure that the file, directory, and users fulfill these requirements:

- Ensure that the root user that performs these steps is part of the oinstall group.
- If the /srv/dpk/oracle directory does not exist, create it.
- Set the group ownership for the /srv/dpk/oracle directory to oinstall.
- Set the permission to 775 for the /srv/dpk/oracle directory.

  Setting the permission to 775 gives the directory owner and group read, write, and execute permission, and all others read and execute access.
- Set the ownership of the oracle directory under /srv/dpk to the non-root user that will install PeopleSoft PeopleTools.
- Give non-root users that will install PeopleSoft PeopleTools the necessary access to the *central_inventory_location*
- Ensure that the non-root users that will install PeopleSoft PeopleTools are part of the oinstall group.

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To verify that a non-root user, such as psftuser, belongs to the correct group, such as oinstall, sign in to the psftuser account as root, and run the id command. The list of groups should include oinstall; for example:

```
uid=1223 (psftuser) gid=8500 (dba) groups=8500 (dba), 56789 (oinstall)
```

To verify that the central inventory location, such as /srv/dpk/oracle, has the correct permission, and ownership, use a command to list the directory contents. The listing includes the read, write, and execute permissions (rwx), user, group, size, and file name. The oracle directory is owned by psftuser.

```
cd /srv/dpk
ls -al
total 12
drwxr-xr-x 3 root root 4096 Jul 16 18:17 .
drwxr-xr-x. 3 root root 4096 Jul 16 18:17 ..
drwxrwxr-x 4 psftuser oinstall 4096 Jul 16 19:58 oracle
```

Task 1-4: Obtaining and Installing JDK for HP-UX

JDK 11 is used by the application server, Process Scheduler, web server, and life-cycle management processes. You must manually install JDK 11 from the Hewlett Packard web site.

To install Hewlett-Packard JDK on HP-UX Itanium:

1. Go to the Hewlett-Packard software site.

   See Hewlett-Packard, Free Software, https://myenterpriselicense.hpe.com/cwp-ui/free-software/?lc=EN_US.
2. Select the link for JDK 11.0.x.
3. If necessary, provide the required information to sign in.
4. Install the JDK on the computer where you will install the Oracle WebLogic server, following the instructions in the Hewlett-Packard documentation.

   The directory where you install the JDK is referred to in this documentation as *JAVA_HOME*.

   Note. Spaces are not allowed in the *JAVA_HOME* name.
5. Make a note of the installation location, as you will use it in installing Oracle Tuxedo and Oracle WebLogic.

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Chapter 2

Reviewing Installation Processes

This chapter discusses:

- Reviewing PeopleSoft Environment Installation with the HP-UX DPKs
- Reviewing PeopleTools Patch Application Using the HP-UX DPKs
- Reviewing PeopleTools-Only Upgrade Using the HP-UX DPKs

Task 2-1: Reviewing PeopleSoft Environment Installation with the HP-UX DPKs

These are the high-level steps for using the PeopleTools HP-UX DPKs and the PeopleSoft Application Image DPKs to perform a fresh installation (that is, you are not upgrading or updating an existing environment) in which you manually create the database. Note that Oracle Database is the only supported RDBMS for this installation.

1. Locate the Native OS DPKs for Linux for your PeopleSoft 9.2 application, and download the PeopleSoft Application DPK, Part 1.

   See *PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61)*, "Obtaining the PeopleSoft Application Images and PeopleTools DPKs."
2. Use the instructions in this documentation to download the PeopleTools 8.61 HP-UX DPKs.

   See "Deploying the HP-UX Deployment Packages," Obtaining the PeopleSoft PeopleTools DPKs for HP-UX.
3. Use the instructions in this documentation to install the PeopleTools software.

   See "Deploying the HP-UX Deployment Packages," Installing PS_HOME.
4. Use the instructions in this documentation to install the PeopleSoft application software.

   See "Deploying the HP-UX Deployment Packages," Installing PS_APP_HOME.
5. Use the instructions in this documentation to install Oracle Database Client.

   See "Deploying the HP-UX Deployment Packages," Installing Oracle Database Client.
6. Use the instructions in this documentation to install Oracle WebLogic.

   See "Deploying the HP-UX Deployment Packages," Installing Oracle WebLogic.
7. Use the instructions in this documentation to install Oracle Tuxedo.

   See "Deploying the HP-UX Deployment Packages," Installing Oracle Tuxedo.
8. Create a DEMO or SYS database.

   See *PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61)*, "Creating a Database Manually on UNIX."

   See *PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61)*, "Creating a Database on UNIX."

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9. Use PSADMIN to set up the application server domain.

   See *PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61)*, "Configuring the Application Server on UNIX."

10. Use the PeopleSoft Pure Internet Architecture (PIA) silent installation process to set up the web server (PIA) domain.

    See *PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61)*, "Setting Up the PeopleSoft Pure Internet Architecture in Silent Mode."

11. Use PSADMIN to set up the Process Scheduler domain.

    See *PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61)*, "Setting Up the Process Scheduler on UNIX."

The *PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61)* guide is available on the PeopleSoft pages in Oracle Help Center.

See Oracle Help Center, https://docs.oracle.com/en/applications/peoplesoft/human-capital-management/index.html.

Task 2-2: Reviewing PeopleTools Patch Application Using the HP-UX DPKs

Follow the instructions in the appendix "Applying PeopleTools Patches Using DPKs": to use the PeopleTools HP-UX DPKs to apply PeopleTools 8.61.xx patches.

Task 2-3: Reviewing PeopleTools-Only Upgrade Using the HP-UX DPKs

Follow the instructions in the appendix "Performing a PeopleTools-Only Upgrade" to use the PeopleTools HP-UX DPKs to upgrade to PeopleSoft PeopleTools 8.61.xx.

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Chapter 3

Deploying the HP-UX Deployment Packages

This chapter discusses:

- Obtaining the PeopleSoft PeopleTools DPKs for HP-UX
- Reviewing the PeopleSoft PeopleTools DPKs for HP-UX
- Extracting the DPKs and Creating Directories
- Installing PS_HOME
- Installing Oracle Database Client
- Installing Oracle WebLogic
- Installing Oracle Tuxedo
- Installing PS_APP_HOME
- Setting Environment Variables

Task 3-1: Obtaining the PeopleSoft PeopleTools DPKs for HP-UX

Beginning with the general availability date for PeopleSoft PeopleTools 8.61 for on-premise installations, and for later patches, you can obtain the PeopleSoft PeopleTools patch DPKs from My Oracle Support. Contact Oracle if you need a user ID and password for My Oracle Support.

To locate and download the DPKs:

1. Go to the PeopleSoft PeopleTools Patches Home Page, My Oracle Support, Doc ID 2062712.2, 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.

   b. Select the Patches & Updates tab.

   c. Select Product or Family (Advanced), and search for PeopleSoft PeopleTools.

2. 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.

   This documentation typically refers to the downloaded zip files as *FILENAME_#ofn.zip*. The filename syntax is described in following section.

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Task 3-2: Reviewing the PeopleSoft PeopleTools DPKs for HP-UX

The PeopleSoft PeopleTools DPKs are delivered for each PeopleTools patch on My Oracle Support. The files are double-zipped. This table describes the downloaded zip files and the embedded zip files for HP-UX. Be sure to review the instructions in this documentation before unzipping the files.

Downloaded Zip Files*	Embedded Zip Files	Description
PEOPLETOOLS-HPI-<*Rel.Patch*>_1of4.zip	The first DPK includes the readme file.	Initial DPK
PEOPLETOOLS-HPI-<*Rel.Patch*>_2of4.zip	PT-DPK-HPI-<*Rel.Patch*>-1of2.zip	PeopleTools server, Part 1 This zip file includes PS_HOME.
PEOPLETOOLS-HPI-<*Rel.Patch*>_3of4.zip	PT-DPK-HPI-<*Rel.Patch*>-2of2.zip	PeopleTools server, Part 2 This zip file includes Oracle Tuxedo, Oracle WebLogic, and Oracle Database Client.
PEOPLETOOLS-HPI-<*Rel.Patch*>_4of4.zip	PTC-DPK-HPI-<*Rel.Patch*>-1of1.zip	PeopleTools Client for 8.61

* This refers to the name of the files downloaded from My Oracle Support.

The zip files have the following format:

PEOPLETOOLS-HPI-<*Rel.Patch*>_#of*n*.zip

For example:

PEOPLETOOLS-WIN-8.61.04_1of4.zip

The files names are comprised of the following parts:

- <*Rel.Patch*> is the release and patch number for the product, such as 8.61.04.
- *n* represents the total number of zip files.

Task 3-3: Extracting the DPKs and Creating Directories

The base directory is used to extract the PeopleSoft DPKs as well as for deploying PeopleSoft components. The documentation uses *BASE_DIR* to refer to this directory. To create the base directory and extract the DPKs:

1. Open a terminal window and create a base directory.

   In this example, *BASE_DIR* is /psftbase.

   ```
   mkdir /psftbase
   ```

2. Change the ownership of *BASE_DIR* to the non-root user that will perform the installation.

   The subdirectories created under *BASE_DIR* will also be owned by the non-root user.

3. Extract the contents of the second downloaded DPK and save in *BASE_DIR*; for example:

   ```
   unzip PEOPLETOOLS-HPI-8.61.xx-2of4.zip -d /psftbase
   ```


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The DPKs are double-zipped. The first extraction yields another zip file.

4. Extract the contents of the third downloaded DPK and save in *BASE_DIR*; for example:.

```
unzip PEOPLETOOLS-HPI-8.61.xx-3of4.zip -d /psftbase
```

The DPKs are double-zipped. The first extracted yields another zip file.

5. Go to *BASE_DIR* and extract the files again; for example:

```
cd /psftbase
unzip PT-DPK-HPI-8.61.xx-1of2.zip
unzip PT-DPK-HPI-8.61.xx-2of2.zip
```

6. Answer y (yes) to the prompt asking whether to replace pt-manifest.

The two zip files include the same pt-manifest file. You can overwrite the first one that was extracted.

```
replace /psftbase/pt-manifest? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
```

7. Review the contents of *BASE_DIR*.

The -R option lists the contents recursively. The extracted contents include readme.txt and pt-manifest files, and an archives directory with archive files for *PS_HOME*, Oracle WebLogic, Oracle Tuxedo, and Oracle Database Client. The <version> numbers may vary for the archives.

```
ls -R
archives         pt-manifest       readme.txt

./archives:
pt-oracleclient-<version>.tgz       pt-tuxedo<version>.tgz
pt-pshome8.61.xx.tgz                pt-weblogic<version>.tgz
```

8. Create a directory under *BASE_DIR* to deploy the PeopleSoft home directories, Oracle WebLogic, Oracle Tuxedo, and Oracle Database Client. This example uses pt for the subdirectory.

```
cd /psftbase
mkdir pt
```

Task 3-4: Installing PS_HOME

This section discusses:

- Installing PS_HOME for an Oracle Database, Unicode
- Installing PS_HOME for an Oracle Database, non-Unicode

Task 3-4-1: Installing PS_HOME for an Oracle Database, Unicode

The *PS_HOME* directory includes the installation files for PeopleSoft PeopleTools. The HP-UX DPKs set up *PS_HOME* for an Oracle Database. The default configuration is for Unicode.

To install *PS_HOME* for a Unicode Oracle Database:

1. Change to the *BASE_DIR/*pt directory and create a directory for *PS_HOME*; for example:

```
cd /psftbase/pt
mkdir pt-pshome8.61.xx
```

2. Change to the pt-pshome8.61.*xx* directory; for example:

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```
cd /psftbase/pt/pt-pshome8.61.xx
```

3. Extract the pt-pshome8.61.*xx*.tgz archive and save the contents in the *BASE_DIR*/pt/pt-pshome8.61.*xx* directory; for example:

   ```
   gunzip -r /psftbase/archives/pt-pshome8.61.xx.tgz -c | tar -xvf –
   ```

   The extraction creates the *PS_HOME* file system under *BASE_DIR*/pt/pt-pshome8.61.*xx*.

4. To use this *PS_HOME* for a non-Unicode environment, see the next section.

Task 3-4-2: Installing PS_HOME for an Oracle Database, non-Unicode

To use *PS_HOME* for a non-Unicode environment:

1. Install *PS_HOME* as described in the previous section.

   The example above created *PS_HOME* in *BASE_DIR*/pt/pt-pshome8.61.*xx*.

2. Open *PS_HOME*/peopletools.properties file in a text editor such as vi; for example:

   ```
   cd /psftbase/pt/pt-pshome8.61.xx
   vi peopletools.properties
   ```

3. Change the value of the `unicodedb` parameter from the default 1 (one) to 0 (zero).

   This example shows a sample peopletools.properties file with `unicodedb=1`.

   ```
   #Peopletools Install Settings
   #Tue 04/05/202216:05:46.26
   dbcodessuffix=PT
   unicodedb=1
   licensegroupname=PeopleTools
   hstplt=hpux-11-ia64
   psplatformregname=ORACLE
   psserver=App;Batch;DB;Web;File
   psdbbin=
   psenv=App;Batch;DB;Web;File
   dbtypedescr=Oracle
   dbtype=ORA
   licensegroup=06
   tuxedodir=
   productversion=8.61.xx
   psplatform=IA64
   ```

4. Save the file.
5. Remove the file unicode.cfg in *PS_HOME*/setup.

Task 3-5: Installing Oracle Database Client

To install Oracle 19c Database Client:

1. Change to the *BASE_DIR*/pt directory and create oracle-client and 19.3.0.0 subdirectories; for example:

   ```
   cd /psftbase/pt
   mkdir oracle-client
   cd oracle-client
   ```

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```
mkdir 19.3.0.0
```

2. Change to the *BASE_DIR*/pt/oracle-client/19.3.0.0 directory.

   ```
   cd /psftbase/pt/oracle-client/19.3.0.0
   ```

3. Extract the *BASE_DIR*/archives/pt-oracleclient-19.3.0.0.tgz archive and save the contents in the current *BASE_DIR*/pt/oracle-client/19.3.0.0 directory; for example:

   ```
   gunzip -r /psftbase/archives/pt-oracleclient-19.3.0.0.tgz
   -c | tar -xvf –
   ```

   Note. The command includes a line feed for readability. Enter the command as a single line.

4. Open *BASE_DIR*/pt/oracle-client/19.3.0.0/client_install.rsp for editing.

   The client_install.rsp contains parameters used by the Oracle installer.

   ```
   vi client_install.rsp
   ```

5. Specify these values for your environment, and save the file.

   - UNIX_GROUP_NAME **—** Enter oinstall.
   - INVENTORY_LOCATION **—** Enter the inventory location specified in oraInst.loc; for example, /srv/dpk/oracle.
   - ORACLE_BASE **—** Enter the full path to the directory that holds the Oracle Database Client software; for example, *BASE_DIR*/pt/oracle-client.

6. Run the following command to install:

   Note. The command includes line feeds for readability. Enter the command as a single line.

   ```
   export CV_ASSUME_DISTID=OL7 &&
   <BASE_DIR>/pt/oracle-client/19.3.0.0/runInstaller
   -silent -waitforcompletion -nowait
   -responseFile <BASE_DIR>/pt/oracle-client/19.3.0.0/client_install.rsp
   -ignorePrereq
   ```

   For example:

   ```
   export CV_ASSUME_DISTID=OL7 &&
   /psftbase/pt/oracle-client/19.3.0.0/runInstaller
   -silent -waitforcompletion -nowait
   -responseFile /psftbase/pt/oracle-client/19.3.0.0/client_install.rsp
   -ignorePrereq
   ```

   The Oracle 19c Database Client software is installed under /psftbase/pt/oracle-client/19.3.0.0.

7. Obtain the location of the inventory file from oraInst.loc.

   The default location for oraInst.loc is /var/opt/oracle. Note the value of the `inventory_loc` parameter in oraInst.loc. For example, the recommended value is /srv/dpk/oracle. The inventory file is in the ContentsXML subdirectory, such as /srv/dpk/oracle/ContentsXML/inventory.xml.

   See "Prerequisites," Reviewing the Oracle Central Inventory File Location and Permissions

8. Verify that the inventory.xml file includes an entry that specifies the installation location that you provided for Oracle Database Client; for example:

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```
<HOME NAME="OraClient19Home2" LOC="/psftbase/pt/oracle-client/19.3.0.0"⇒
 TYPE="O" IDX="4"/>
```

9. Log in to a second terminal window or PuTTY session as the root user.
10. Run the root.sh script in *BASE_DIR*/pt/oracle-client/19.3.0.0.

    This creates the oraInst.loc file if it does not exist already under /var/opt/oracle.

    ```
    /psftbase/pt/oracle-client/19.3.0.0/root.sh
    ```

Task 3-6: Installing Oracle WebLogic

Before installing Oracle WebLogic, ensure that you have fulfilled these requirements:

- You have extracted the HP-UX DPKs and set up the *BASE_DIR*.

  See Extracting the DPKs and Creating Directories.
- You have installed JDK and have the full path to *JAVA_HOME*.

  See "Prerequisites," Obtaining and Installing JDK for HP-UX.
- You have the full path to the Oracle central inventory file, oraInst.loc.

  Supply the full path for <Path_Central_Inventory_File> in this procedure.

  See "Prerequisites," Reviewing the Oracle Central Inventory File Location and Permissions
- You have an instance name for Oracle WebLogic.

  The instance name, <WebLogic_Instance_Name> in this procedure, identifies this Oracle WebLogic installation in the inventory.xml file. The name you choose should be unique in the host.

To install Oracle WebLogic:

1. Create a directory for Oracle WebLogic under *BASE_DIR*/pt; for example bea.

   ```
   cd /psftbase/pt
   mkdir bea
   ```

2. Change to *BASE_DIR* and create a temporary directory for installation, such as worktemp:

   ```
   cd /psftbase
   mkdir worktemp
   ```

3. Change to the *BASE_DIR*/worktemp directory.

   ```
   cd /psftbase/worktemp
   ```

4. Extract the *BASE_DIR*/archives/pt-weblogic<*version*>.tgz archive and save the contents in the current directory, *BASE_DIR*/worktemp.

   ```
   gunzip -r /psftbase/archives/pt-weblogic14.1.1.0.tgz -c | tar -xvf -
   ```

   The extracted files include pt-weblogic-copy.jar, which you use in the next step.

5. Run this command to install:

   Note. The command includes line feeds for readability. Enter the command as a single line.

   ```
   <JAVA_HOME>/bin/java -d64
   -jar <BASE_DIR>/worktemp/pt-weblogic-copy.jar
   ```

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```
-ignoreJavaVersion -javaHome <JAVA_HOME>
-targetOracleHomeLoc <BASE_DIR>/pt/bea
-targetOracleHomeName <WebLogic_Instance_Name>
-invPtrLoc <Path_Central_Inventory_File>/oraInst.loc
-executeSysPrereqs false -silent true -noconsole
```

For example:

```
/jdkhome/jdk11/bin/java -d64
-jar /psftbase/worktemp/pt-weblogic-copy.jar
-ignoreJavaVersion -javaHome /jdkhome/jdk11
-targetOracleHomeLoc /psftbase/pt/bea
-targetOracleHomeName OracleWLHome02012022202939
-invPtrLoc /var/opt/oracle/oraInst.loc
-executeSysPrereqs false -silent true -noconsole
```

Oracle WebLogic is installed in the directory wlserver under the location specified by the option `–targetOracleHomeLoc`. In this example, the Oracle WebLogic home is /psftbase/pt/bea/wlserver.

6. Obtain the location of the inventory file from oraInst.loc.

   The default location for oraInst.loc is /var/opt/oracle. Note the value of the `inventory_loc` parameter in oraInst.loc. For example, the recommended value is /srv/dpk/oracle. The inventory file is in the ContentsXML subdirectory, such as /srv/dpk/oracle/ContentsXML/inventory.xml.

   See "Prerequisites," Reviewing the Oracle Central Inventory File Location and Permissions

7. Verify that the inventory.xml file includes an entry that specifies the instance name and installation location that you provided for Oracle WebLogic; for example:

```
<HOME NAME="OracleWLHome02012022202939" LOC="/psftbase/pt/bea" TYPE="O"⇒
 IDX="2"/>
```

8. Delete the *BASE_DIR*/worktemp directory.

```
rm -rf /psftbase/worktemp
```

Task 3-7: Installing Oracle Tuxedo

Before installing Oracle Tuxedo, ensure that you have fulfilled these requirements:

- You have extracted the HP-UX DPKs and set up the *BASE_DIR*.

  See Extracting the DPKs and Creating Directories.

- You have created the *BASE_DIR*/pt/bea as part of the Oracle WebLogic installation
- You have installed JDK and have the full path to *JAVA_HOME*.

  See "Prerequisites," Obtaining and Installing JDK for HP-UX.

- You have the full path to the Oracle central inventory file, oraInst.loc.

  Supply the path for <Path_Central_Inventory_File> in this procedure.

  See "Prerequisites," Reviewing the Oracle Central Inventory File Location and Permissions

- You have an instance name for Oracle Tuxedo.

  The instance name, <Tuxedo_Instance_Name> in this procedure, identifies this Oracle Tuxedo installation in the inventory.xml file. The name you choose should be unique in the host.

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To install Oracle Tuxedo:

1. Change to the *BASE_DIR*/pt/bea directory and create a directory for Oracle Tuxedo; for example:

   ```
   cd /psftbase/pt/bea
   mkdir tuxedo
   ```

2. Change to the *BASE_DIR*/pt/bea/tuxedo directory; for example:

   ```
   cd /psftbase/pt/bea/tuxedo
   ```

3. Extract the *BASE_DIR*/archives/pt-tuxedo<*version*>.tgz archive and save the contents in the current directory, *BASE_DIR*/pt/bea/tuxedo; for example:

   ```
   gunzip -r /psftbase/archives/pt-tuxedo22.1.0.0.0.tgz -c | tar -xvf –
   ```

4. Run this command to install:

   Note. The command includes line feeds for readability. Enter the command as a single line.

   ```
   <BASE_DIR>/pt/bea/tuxedo/oui/bin/runInstaller -silent -clone
   -waitforcompletion -nowait -jreLoc <JAVA_HOME>
   -invPtrLoc <Path_Central_Inventory_File>/oraInst.loc
   ORACLE_HOME=<BASE_DIR>/pt/bea/tuxedo
   ORACLE_HOME_NAME=<Tuxedo_Instance_Name> TLISTEN_PASSWORD=password
   ```

   Note. The TLISTEN_PASSWORD cannot be changed here. You must enter "password".

   For example:

   ```
   /psftbase/pt/bea/tuxedo/oui/bin/runInstaller -silent -clone
   -waitforcompletion -nowait -jreLoc /jdkhome/jdk11
   -invPtrLoc /var/opt/oracle/oraInst.loc
   ORACLE_HOME=/psftbase/pt/bea/tuxedo
   ORACLE_HOME_NAME=OraTux1222Home02012022203014 TLISTEN_PASSWORD=password
   ```

   The Oracle Tuxedo installation directory is installed under the ORACLE_HOME directory. The full path to the Oracle Tuxedo installation directory in this example is /psftbase/pt/bea/tuxedo/tuxedo22.1.0.0.0.

5. Obtain the location of the inventory file from oraInst.loc.

   The default location for oraInst.loc is /var/opt/oracle. Note the value of the `inventory_loc` parameter in oraInst.loc. For example, the recommended value is /srv/dpk/oracle. The inventory file is in the ContentsXML subdirectory, such as /srv/dpk/oracle/ContentsXML/inventory.xml.

   See "Prerequisites," Reviewing the Oracle Central Inventory File Location and Permissions.

6. Verify that the inventory.xml file includes an entry that specifies the instance name and installation location that you provided for Oracle Tuxedo; for example:

   ```
   <HOME NAME="OraTux1222Home02012022203014" LOC="/psftbase/pt/bea/tuxedo"⇒
    TYPE="O" IDX="3"/>
   ```

Task 3-8: Installing PS_APP_HOME

The *PS_APP_HOME* directory includes the installation files for a PeopleSoft Application environment. This section applies when you are performing an installation of a PeopleSoft environment. This section assumes that you have set up the *BASE_DIR*.

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See Extracting the DPKs and Creating Directories.

1. Change to *BASE_DIR* and create a temporary directory for installation, such as temp:

   ```
   cd /psftbase
   mkdir temp
   ```

2. Change to the *BASE_DIR*/temp directory.

   ```
   cd /psftbase/temp
   ```

3. Unzip the ninth DPK from the PeopleSoft Update Image DPK set.

   The ninth DPK (FILENAME_9of11.zip) is the first application DPK. The DPKs that you download from MOS are double-zipped. The first extraction yields another zip file.

4. Unzip APP-DPK-LNX-<*Product_Name*>92-8.61.<*xxx*>-1of3.zip file to *BASE_DIR*/temp.

   ```
   unzip APP-DPK-LNX-<Product_Name>92-8.61.<xxx>-1of3.zip
   ```

   After extraction you see a subdirectory archives, which contains one file, <*app*>-psapphome92-<*version*>.tgz. Use this command to view the subdirectory and its contents

   ```
   pwd
   /psftbase/temp
   ls -R
   archives:
   <app>-psapphome92-<version>.tgz
   ```

5. Create a directory for *PS_APP_HOME*, for example <*BASE_DIR*>/pt/psapphome<*version*>.

   ```
   mkdir /psftbase/pt/psapphome<version>
   ```

6. Change directory to <*BASE_DIR*>/pt/psapphome<*version*>.

   ```
   cd /psftbase/pt/psapphome<version>
   ```

7. Extract the .tgz archive that you saved in the temporary directory and save it in the current directory, <*BASE_DIR*>/pt/psapphome<*version*> directory.

   ```
   gunzip < /psftbase/temp/psapphome<version>.tgz |tar -xvf -
   ```

   This creates the PS_APP_HOME file system under /scratch/pt-pshome<version>.

8. Set the PS_APP_HOME environment variable.

   ```
   export PS_HOME=/pstemp/pt/psapphome<version>/ps_app_home8.61.xx
   ```

See Also

PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61), "Obtaining the PeopleSoft Application Images and PeopleTools DPKs"

Task 3-9: Setting Environment Variables

Set the environment variables for JDK, Oracle Tuxedo, and Oracle Database Client.

Note. The environment variables for Tuxedo must be set explicitly; they are not set by running psconfig.sh. These can be also set using the .profile file in the user's home directory.

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- Set $TUXDIR to the correct Oracle Tuxedo installation directory. For example, if *BASE_DIR* is /psftbase:

  ```
  TUXDIR=/psftbase/bea/tuxedo/tuxedo22.1.0.0.0; export TUXDIR
  ```

- Add $TUXDIR/lib to the beginning of LD_LIBRARY_PATH. For example:

  ```
  LD_LIBRARY_PATH=$TUXDIR/lib:$LD_LIBRARY_PATH; export LD_LIBRARY_PATH
  ```

- Add $TUXDIR/bin to the beginning of PATH. For example:

  ```
  PATH=$TUXDIR/bin:$PATH; export PATH
  ```

One method to ensure that the following PeopleSoft environment variables are set is to source psconfig.sh. Go to the *PS_HOME* directory, and enter the following command:

```
. ./psconfig.sh
```

Note. After running psconfig.sh, you can invoke the psadmin utility from any location.

Alternatively you can make sure the following environment variables are set in the .profile file in the user's home directory:

- Set $ORACLE_HOME to the correct Oracle installation. For example, if *BASE_DIR* is /psftbase:

  ```
  ORACLE_HOME=/psftbase/db/oracle-server/19.3.0.0; export ORACLE_HOME
  ```

- Add $ORACLE_HOME/bin to PATH. For example:

  ```
  PATH=$PATH:$ORACLE_HOME/bin;export PATH
  ```

- Add $ORACLE_HOME/lib to LD_LIBRARY_PATH.
- Ensure that $ORACLE_HOME/lib is ahead of $ORACLE_HOME/lib32 in the library path.
- Set $ORACLE_SID to the correct Oracle instance. For example:

  ```
  ORACLE_SID=hdmo;export ORACLE_SID
  ```

- The TNS_ADMIN environment variable specifies the location of the tnsnames.ora file for the Oracle Database Client; for example, if *BASE_DIR* is /psftbase:

  ```
  export TNS_ADMIN=/psftbase/db/oracle-server/19.3.0.0/network/admin
  ```

- Ensure that the Java JDK environment variable specifies the location where you installed JDK 11 for HP-UX; for example:

  ```
  export JAVA_HOME=/jdkhome/jdk11
  export PATH=$JAVA_HOME/bin:$PATH
  ```

- Specify the location for the *PS_CFG_HOME* directory, which holds the configuration files for the application server, batch server, web server (PIA), and search server domains.

  Specify a location that is different from *PS_HOME* or *PS_APP_HOME*; for example:

  ```
  export PS_CFG_HOME=/opt/psftuser/pscfghome
  ```


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Chapter 4

Completing the Mid-Tier Setup

This chapter discusses:

- Installing the PeopleSoft Domains

Task 4-1: Installing the PeopleSoft Domains

After you install the *PS_HOME,* Oracle WebLogic, Oracle Tuxedo, and Oracle Database Client software as described in the previous chapter, you must set up the PeopleSoft domains.

1. Use PSADMIN to set up the application server domain.

   The PSADMIN executable is located in the *PS_HOME/*appserv directory.

   See *PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61)*, "Configuring the Application Server on UNIX."

2. Use the PeopleSoft Pure Internet Architecture (PIA) silent installation process to set up the web server (PIA) domain.

   The files needed for the PIA silent-mode installation are included as part of the PeopleTools installation, in *PS_HOME/*setup/PsMpPIAInstall/scripts.

   See *PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61)*, "Setting Up the PeopleSoft Pure Internet Architecture in Silent Mode."

3. Use PSADMIN to set up the Process Scheduler domain.

   See *PeopleSoft 9.2 Application Installation on Oracle (PeopleSoft PeopleTools 8.61)*, "Setting Up the Process Scheduler on UNIX."

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Chapter 5

Deploying the PeopleTools Client DPK

Task 5-1: Deploying the PeopleTools Client DPK

This section discusses:

- Understanding the Standalone Mode Deployment
- Preparing for the PeopleTools Client DPK Deployment
- Deploying in Standalone Mode

Task 5-1-1: Understanding the Standalone Mode Deployment

Use the standalone mode (SA mode) deployment for the PeopleTools Client DPK when deploying the DPK alone, without first deploying the PeopleSoft application or PeopleSoft PeopleTools DPKs. Use this method, for example, when carrying out a PeopleTools-only upgrade, or to install Change Assistant or one of the other utilities.

Install the PeopleTools Client DPK on a Microsoft Windows host that is certified for PeopleTools client installation.

Use SA mode deployment for the following tasks:

- PeopleTools Upgrade

  The deployment process installs a PeopleTools client *PS_HOME* that includes the directories needed for a PeopleSoft PeopleTools-only upgrade, such as data, projects, and scripts directories.

- PeopleTools Patch

  The deployment process installs a PeopleTools client *PS_HOME* that includes the directories needed for a PeopleSoft PeopleTools patch application, such as the PTP directory.

  See "Learning About the PeopleSoft Deployment Process," Reviewing the PeopleTools Patch DPKs.

- PeopleTools Client

  The deployment process installs a PeopleTools client *PS_HOME*. Choose the deployment type "None of the above" for this deployment.

- Change Assistant installation

  You can install Change Assistant as part of the PeopleTools Client deployment, or as a separate installation. The deployment process installs, but does not configure Change Assistant. To use Change Assistant for a PeopleSoft PeopleTools-only upgrade or to apply a PeopleSoft PeopleTools patch, you must configure Change Assistant manually. See the PeopleTools upgrade or patch documentation for information.

  If there is an existing Change Assistant installation, the deployment process removes or upgrades it to the current release, and saves a configuration file with the existing setup.

- Change Impact Analyzer

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You can install Change Impact Analyzer as part of the PeopleTools Client deployment, or as a separate installation.

- PeopleSoft Test Framework (PTF) installation

  You can install PeopleSoft Test Framework as part of the PeopleTools Client deployment, or as a separate installation.

- PeopleSoft Test Framework (PTF) configuration

  If you choose to configure PTF, the deployment process prompts you for setup parameters. You can configure PTF either at the same time that you install it or later. For example, you may choose to configure PTF separately if you install and configure it first, and then later the middle-tier components in your environment change. In this case, you do not need to install, but you can use the deployment process to reconfigure PTF.

- Configuration Manager

  If you accept the option to configure the PeopleTools client, the information that you supply is used to configure Configuration Manager.

- The PeopleTools Client deployment installs Microsoft Visual C++ Redistributable Packages for Visual Studio, which include required Microsoft C++ runtime libraries.

In addition to the Standalone Mode deployment described in this section, it is possible to deploy the PeopleTools Client in Update Manager mode. To deploy in Update Manager mode, you must have installed a PeopleSoft application image in full-tier mode and specified the PUM installation type. A full-tier PUM installation installs the directory *BASE_DIR*\pt\tools_client. The installation files in this directory are reserved for use in the Update Manager mode deployment.

See *PeopleSoft Deployment Packages for Update Images Installation (PeopleSoft PeopleTools 8.61).*

Task 5-1-2: Preparing for the PeopleTools Client DPK Deployment

To obtain and extract the PeopleTools Client DPK:

1. Go to the download location for the PeopleSoft PeopleTools DPKs, and download only the last zip file to a location known as *DPK_INSTALL* on a Microsoft Windows computer.

   The last zip file, for example *Filename*_4of4.zip, is the PeopleSoft PeopleTools client DPK.

   See Obtaining the PeopleSoft PeopleTools Patch DPKs, for the filename syntax of the DPK zip files.

2. Extract the downloaded zip file, which yields another zip file.
3. Extract the resulting zip file to a local or shared directory; for example C:\tools_client.

Task 5-1-3: Deploying in Standalone Mode

This section assumes that the user running the script has administrative permission. The script includes the options in the following table:

Deployment	Script Commands
Install the PeopleTools client software in standalone mode.	`SetupPTClient.bat -t`

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Deployment	Script Commands

The setup script deploys to drive C by default. To deploy to a different drive, you can use the option `-d <drive>`
This option installs all specified software (Change Assistant, Change Impact Analyzer, PeopleSoft Test Framework), installation and temporary directories, and log files to the specified drive. The drive can be any valid local or mapped shared drive.
	`SetupPTClient.bat -t -d <drive>`
	For example, to install to drive E:
	`SetupPTClient.bat -t -d E`

Install the PeopleTools client software in standalone mode and enable logging.	`SetupPTClient.bat -t -l`
Apply CPUs for JDK and the Oracle Database Client on an existing PeopleTools client environment. This usage requires the presence of the PT-INFRA DPK.	For information on using the PT-INFRA DPK, see *PT-INFRA Deployment Package Installation (PeopleSoft PeopleTools 8.61).*

To deploy the PeopleTools Client DPK in SA mode:

1. Verify that the Microsoft Windows folders options are set to show known file extensions.

   Hidden file extensions may interfere with the script. To show file extensions, for example:

   a. Open Windows Explorer and select Tools, Folder Options.

   Note. Depending upon the Microsoft Windows operating system, you may use a different method to set the folder options.

   b. On the Folder Options dialog box, select the View tab.

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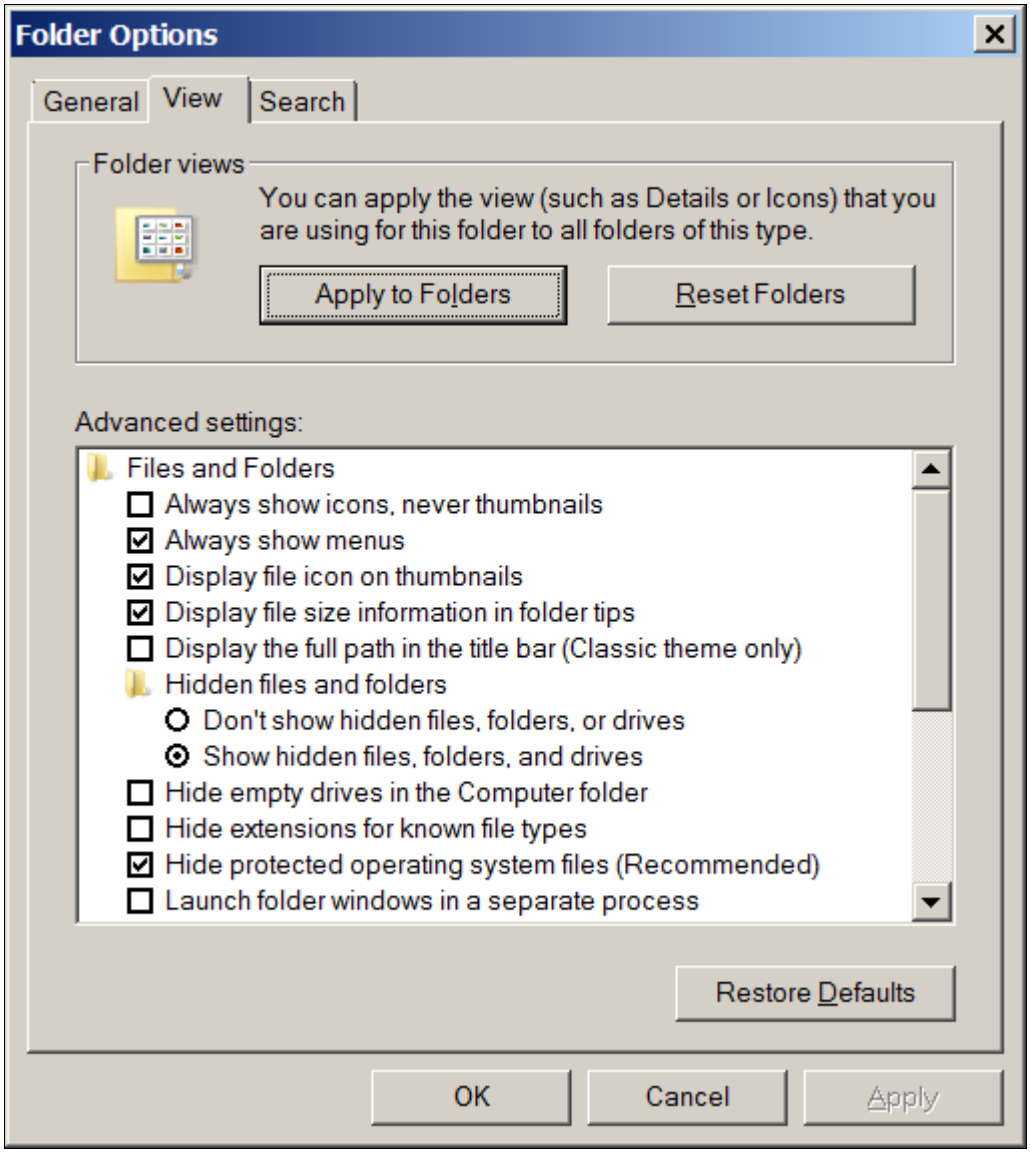
c. Verify that the check box for Hide extensions for known file types is not selected, as shown in this example:



Folder Options dialog box: View tab

d. Click OK to close the box.

2. Open a command prompt, running as administrator, and change directory to the C:\tools_client directory.

   The tools_client directory includes various sub-directories, and the following files:

   - SetupPTClient.bat

     The interactive script that installs the PeopleSoft PeopleTools components such as Application Designer, Change Assistant, Change Impact Analyzer, and PeopleSoft Test Framework.

   - readme.txt

3. Run the setup script with the following command to install to drive C.

   For other script options, see the table at the beginning of this section.

   ```
   SetupPTClient.bat -t
   ```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Note. If you see an error message similar to "The application has failed to start because its side-by-side configuration is incorrect," it indicates that your machine does not include the necessary Microsoft C++ runtime libraries. Go to the Microsoft Web site, locate the Microsoft Visual C++ redistributable package for your system, and install as directed.

4. Answer *y* (yes) at the following prompt to deploy the PeopleTools Client.

   If you are running the script after having deployed the PeopleTools Client previously, and you want to install Change Assistant, Change Impact Analyzer, or PeopleSoft Test Framework without deploying the PeopleTools Client again, answer *n* (no), and continue with step 9.

```
****** SetupPTClient started at 11:42:38.91 ******
set logger to true
 Do you want to deploy PeopleTools client? [Y/N]: y
```

5. Specify the RDBMS type for the PeopleTools Client that you want to deploy.

   In this example, the RDBMS is option *1,* Oracle.

```
 Please Select the Database Platform:
 1. Oracle
 2. Microsoft SQL Server
 3. DB2 for zOS
 Enter your choice [1-3] : 1
```

6. Specify the installation directory, referred to as PSHOME, for the PeopleTools Client, or press ENTER to accept the default directory, C:\PT<*release_number*>_Client_<*database_type*>, for example C:\PT8.61.02_Client_ORA.

```
Please specify the PSHOME for the PeopleTools Client
[C:\PT8.61.02_Client_ORA]:
```

7. Specify whether you want to supply configuration details at the following prompt.

```
Do you want to configure PeopleTools client? [Y/N]:
```

   If you answer *n* (no), you do not want to configure the PeopleTools client, continue with step 9.

   If you answer *y* (yes), specify the information for your environment at the following prompts:

```
Database Name: HCM92
Server Name: example.com
UserId: VP1
Connect ID: people
Connect Password:
Retype Connect Password:
```

Note. When you enter the password, the script does not echo the password or any masking characters as you type.

   - Specify the database name and database server to connect to.
   - The connect ID a valid database-level ID that the PeopleSoft system uses to make the initial connection to the database.
   - For User ID, specify a PeopleSoft user ID, such as VP1 or PS, that has permission to access the database from the PeopleTools client, Application Designer, and so on.

8. Select the type of deployment at the following prompt:

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See the definitions in Understanding the Standalone Mode Deployment.

```
Please make your selection for the Tools Client deployment:
 1. People Tools Full Upgrade
 2. People Tools Patch
 3. None of the above
 Enter your choice [1-3]:
```

9. Specify whether you want to install Change Assistant at the following prompt:

   ```
   Do you want to install Change Assistant? [Y/N]:
   ```

   If you answer *y* (yes), specify the installation directory, or accept the default, C:\Program Files\PeopleSoft\Change Assistant:

   ```
   Please specify the directory to install Change Assistant
   [C:\Program Files\PeopleSoft\Change Assistant]:
   ```

10. Specify whether you want to install Change Impact Analyzer at the following prompt:

    ```
    Do you want to install Change Impact Analyzer? [Y/N]:
    ```

    If you answer *y* (yes), specify the installation directory for Change Impact Analyzer, or accept the default, C:\Program Files\PeopleSoft\Change Impact Analyzer:

    ```
    Please specify the directory to install Change Impact Analyzer
    [C:\Program Files\PeopleSoft\Change Impact Analyzer]:
    ```

11. Specify whether you want to install PeopleSoft Test Framework at the following prompt:

    ```
    Do you want to install PeopleSoft Test Framework? [Y/N]:
    ```

    If you answer *y* (yes), specify the installation directory for PeopleSoft Test Framework, or accept the default, C:\Program Files\PeopleSoft\PeopleSoft Test Framework:

    ```
    Please specify the directory to install PeopleSoft Test Framework
    [C:\Program Files\PeopleSoft\PeopleSoft Test Framework]:
    ```

12. Specify whether you want to configure the PeopleSoft Test Framework at the following prompt:

    ```
    Do you want to configure PeopleSoft Test Framework? [Y/N]:
    ```

    If you answer *y* (yes), specify the information for your environment. For information on these parameters, see the PeopleTools Test Framework product documentation.

    See *PeopleTools: Test Framework*, "Installing a PTF Client."

    ```
    Database Name: HCM92
    Server:Port: example.com:443
    Node ID: node_name
    User ID: VP1
    Proxy [Y/N]: y
    Proxy Server: proxyserver.com
    Proxy Port: 5000
    Proxy User: username
    Proxy Password:*******
    Retype Proxy Password:*******
    ```

13. Review the setup steps.

    The messages you see depend upon your choices.

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```
Starting Tools Client Deployment!
Deploying PeopleTools 8.61.02 Client in C:\PT8.61.02_Client_ORA
Configuring PeopleTools 8.61.02 Client
Deployment of PeopleTools Client Complete.
Tools Client Deployment Ended.
***** SetupPTClient ended at 11:35:08.91 ******
Please review C:\PeopleSoft\PTClientDeploy.log for additional⇒
 information.
```

14. To review the log file for the setup process, go to %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.

Note. If you used the `-d <drive>` option to deploy to a drive other than drive C:\, the log file is found in <drive>:\Users\<username>\AppData\Local\Temp\PeopleSoft\PTClientDeploy.log and creates the directory if it does not exist.

The PTClientDeploy.log file includes a record of each of the steps in the PeopleTools Client deployment process. If any of the steps fail, a detailed error or warning message will be written to the same log file.

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Chapter 6

Using PT-INFRA DPK for New Installations on HP-UX

This chapter discusses:

- Understanding the PT-INFRA DPKs
- Obtaining the PT-INFRA DPK from My Oracle Support
- Reviewing the PT-INFRA DPK Manifest
- Obtaining the Manifest from the PeopleTools DPKs for HP-UX
- Using PT-INFRA DPKs for a New Oracle Database Client Installation
- Using PT-INFRA DPKs for a New Oracle WebLogic Installation
- Using PT-INFRA DPKs for a New Oracle Tuxedo Installation

Understanding the PT-INFRA DPKs

This section discusses:

- Understanding the PT-INFRA DPK Availability
- Understanding the PT-INFRA DPK File Names and Contents

Understanding the PT-INFRA DPK Availability

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 supporting software components for a PeopleSoft environment. This chapter describes how to locate and use the PT-INFRA DPKs with a new installation.

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 include archives for 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/.

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Understanding the PT-INFRA DPK File Names 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, where <*DATE*> is the date that the DPK was made available, with the format year-month-day (yymmdd).

PT-INFRA-DPK-HPI-8.61-<*DATE*>_#of2.zip.

The PT-INFRA-DPK-HPI-8.61-<*DATE*>_1of2.zip file includes the following files:

- archives directory — Use the archives in this directory to install software components with updated CPUs for a new installation.
- cpu_archives directory — Use the archives in 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-HPI-8.61-<*DATE*>_2of2.zip file includes the following files:

- archives directory — Use the archives in this directory to install software components with updated CPUs for a new installation.
- cpu_archives directory — Use the archives in 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.

Task 6-1: Obtaining the PT-INFRA DPK from My Oracle Support

To obtain the PT-INFRA DPK 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 HP-UX Itanium, and download the two zip files to a temporary directory.
6. From the first downloaded zip file, PT-INFRA-DPK-HPI-8.61-<*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.

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Task 6-2: Reviewing the PT-INFRA DPK Manifest

The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=HPI
tools_version=8.61
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, HPI
- tools_version — PeopleSoft PeopleTools release, such as 8.61
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK

  If a min_tools_version is specified, such as 8.61.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.61.02 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 HP-UX 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 HP-UX DPKs include `jdk_version=11.0.14 Jan2022 CPU`, you can use the PT-INFRA DPK to get the later JDK CPU.

Task 6-3: Obtaining the Manifest from the PeopleTools DPKs for HP-UX

Follow the instructions in this documentation to obtain the PeopleTools DPKs for HP-UX.

See "Deploying the HP-UX Deployment Packages," Obtaining the PeopleSoft PeopleTools DPKs for HP-UX.

You can extract the pt-manifest from either of the zip files. Compare the component versions with those in the ptinfra-manifest.

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Task 6-4: Using PT-INFRA DPKs for a New Oracle Database Client Installation

To use the component archives from the PT-INFRA DPK for a new Oracle 19c Database Client installation:

1. Extract the second zip file, PT-INFRA-DPK-HPI-8.61-<*DATE*>_2of2.zip, in a temporary directory.
   ```
   unzip PT-INFRA-DPK-HPI-8.61-<DATE>_2of2.zip
   ```
2. Locate the Oracle Database Client archive (pt-oracleclient-<*version*>.tgz) in the archives directory.
3. Use the archive in the installation procedure instead of the archive delivered with the PeopleTools HP-UX DPKs.

   See "Deploying the HP-UX Deployment Packages," Installing Oracle Database Client.

Task 6-5: Using PT-INFRA DPKs for a New Oracle WebLogic Installation

To use the component archives from the PT-INFRA DPK for a new Oracle WebLogic installation:

1. Extract the first zip file, PT-INFRA-DPK-HPI-8.61-<*DATE*>_1of2.zip, in a temporary directory.
   ```
   unzip PT-INFRA-DPK-HPI-8.61-<DATE>_1of2.zip
   ```
2. Locate the Oracle WebLogic archive (pt-weblogic<*version*>.tgz) in the archives directory.
3. Use the archive in the installation procedure instead of the archive delivered with the PeopleTools HP-UX DPKs.

   See "Deploying the HP-UX Deployment Packages," Installing Oracle WebLogic.

Task 6-6: Using PT-INFRA DPKs for a New Oracle Tuxedo Installation

To use the component archives from the PT-INFRA DPK for a new Oracle Tuxedo installation:

1. Extract the first zip file, PT-INFRA-DPK-HPI-8.61-<*DATE*>_1of2.zip, in a temporary directory.
   ```
   unzip PT-INFRA-DPK-HPI-8.61-<DATE>_1of2.zip
   ```
2. Locate the Oracle Tuxedo archive (pt-tuxedo<*version*>.tgz) in the archives directory.
3. Use the archive in the installation procedure instead of the archive delivered with the PeopleTools HP-UX DPKs.

   See "Deploying the HP-UX Deployment Packages," Installing Oracle Tuxedo.

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Chapter 7

Using PT-INFRA DPK for Existing Installations on HP-UX

This chapter discusses:

- Understanding the PT-INFRA DPKs
- Obtaining the PT-INFRA DPKs from My Oracle Support
- Reviewing the PT-INFRA DPK Manifest
- Obtaining the Manifest from the PeopleTools DPKs for HP-UX
- Using PT-INFRA DPKs for an Existing Oracle Database Client Installation
- Using PT-INFRA DPKs for an Existing Oracle WebLogic Installation
- Using PT-INFRA DPKs for an Existing Oracle Tuxedo Installation

Understanding the PT-INFRA DPKs

This section discusses:

- Understanding the PT-INFRA DPK Availability
- Understanding the PT-INFRA DPK File Names and Contents

Understanding the PT-INFRA DPK Availability

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 supporting software components for a PeopleSoft environment. This chapter describes how to locate and use the PT-INFRA DPKs to apply CPUs on an existing environment.

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 include archives for 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/.

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Understanding the PT-INFRA DPK File Names 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, where <*DATE*> is the date that the DPK was made available, with the format year-month-day (yymmdd).

PT-INFRA-DPK-HPI-8.61-<*DATE*>_#of2.zip.

The PT-INFRA-DPK-HPI-8.61-<*DATE*>_1of2.zip file includes the following files:

- archives directory — Use the archives in this directory to install software components with updated CPUs for a new installation.
- cpu_archives directory — Use the archives in 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-HPI-8.61-<*DATE*>_2of2.zip file includes the following files:

- archives directory — Use the archives in this directory to install software components with updated CPUs for a new installation.
- cpu_archives directory — Use the archives in 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.

Task 7-1: 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 HP-UX Itanium, and download the two zip files to a temporary directory.
6. From the first downloaded zip file, PT-INFRA-DPK-HPI-8.61-<*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.

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Task 7-2: Reviewing the PT-INFRA DPK Manifest

The ptinfra-manifest file includes the following items:

```
type=tools_infra
platform=HPI
tools_version=8.61
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, HPI
- tools_version — PeopleSoft PeopleTools release, such as 8.61
- min_tools_version — Minimum PeopleSoft PeopleTools patch release required to use this PT-INFRA DPK

  If a min_tools_version is specified, such as 8.61.02, you must use this PT-INFRA DPK only for installations with PeopleSoft PeopleTools versions 8.61.02 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 HP-UX 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 HP-UX DPKs include `jdk_version=11.0.14 Jan2022 CPU`, you can use the PT-INFRA DPK to get the later JDK CPU.

Task 7-3: Obtaining the Manifest from the PeopleTools DPKs for HP-UX

Follow the instructions in this documentation to obtain the PeopleTools DPKs for HP-UX.

See "Deploying the HP-UX Deployment Packages," Obtaining the PeopleSoft PeopleTools DPKs for HP-UX.

You can extract the pt-manifest from either of the zip files. Compare the component versions with those in the ptinfra-manifest.

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Task 7-4: Using PT-INFRA DPKs for an Existing Oracle Database Client Installation

To use the PT-INFRA DPK to manually apply CPUs on an existing Oracle 19c Database Client installation:

1. Stop all PeopleSoft Application Server, web server (PIA), and Process Scheduler domains using the PSADMIN utility.

   In addition, stop any running processes, such as standalone Application Engine programs.

   To stop and start the domains, see the topics for using the PSADMIN menus in *PeopleTools: System and Server Administration.*

   See Using the Application Server Administration Menu.

   See Using the Web (PIA) Server Menu.

   See Using the Process Scheduler Menu.
2. Ensure that the user who performs these steps is a member of the oinstall group and has the permissions described in this documentation.

   See "Prerequisites," Verifying the oraInst.loc.
3. Extract the second zip file, PT-INFRA-DPK-HPI-8.61-<*DATE*>_2of2.zip in a temporary directory.

   ```
   unzip PT-INFRA-DPK-HPI-8.61-<DATE>_2of2.zip
   ```
4. Locate the archives for OPatch and the Oracle Database Client CPU.
   - The OPatch archive, which is a zip file, is in the directory cpu_archives/oracleclient_opatch_patches.
   - The Oracle Database Client CPU archive, which is a zip file, is in the directory cpu_archives/oracleclient_patches.
5. Change directory to *ORACLE_HOME*.

   ORACLE_HOME is the full path to the location where you installed the Oracle Database Client. The example given in the installation task is /psftbase/pt/oracle-client/19.3.0.0.

   ```
   cd <BASE_DIR>/pt/oracle-client/19.3.0.0
   ```

   See "Deploying the HP-UX Deployment Packages," Installing Oracle Database Client.
6. Delete the existing OPatch directory and its contents.

   ```
   rm -rf OPatch/
   ```
7. Extract the OPatch archive into the *ORACLE_HOME* directory.

   ```
   unzip -q <patch_name>.zip -d <BASE_DIR>/pt/oracle-client/19.3.0.0
   ```
8. Check the OPatch version.

   ```
   opatch version
   ```
9. Extract the CPU archive into ORACLE_HOME, which creates a directory with the patch number.

   ```
   unzip -q <patch_name>.zip -d <BASE_DIR>/pt/oracle-client/19.3.0.0
   ```
10. Go to the patch number directory.

    ```
    cd <patch number directory>
    ```
11. Apply the patch with this command:

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```
$ORACLE_HOME/OPatch/opatch apply
```

12. Verify that the CPU was applied with this command:

```
$ORACLE_HOME/OPatch/opatch lspatches
```

13. Restart the Application Server, web server (PIA), and Process Scheduler domains, and any processes.

Task 7-5: Using PT-INFRA DPKs for an Existing Oracle WebLogic Installation

Ensure you have this information:

- The full path to the JDK installation location, *JAVA_HOME*.
- The full path to the Oracle central inventory file, oraInst.loc, *Path_Central_Inventory_File*.
- The full path to the Oracle WebLogic installation location.

To use the PT-INFRA DPK to manually apply CPUs on an existing Oracle WebLogic installation:

1. Stop all PeopleSoft Application Server, web server (PIA), and Process Scheduler domains using the PSADMIN utility.

   In addition, stop any running processes, such as standalone Application Engine programs.

   To stop and start the domains, see the topics for using the PSADMIN menus in *PeopleTools: System and Server Administration.*

   See Using the Application Server Administration Menu.

   See Using the Web (PIA) Server Menu.

   See Using the Process Scheduler Menu.

2. Set the ORACLE_HOME environment variable to the Oracle WebLogic installation location.

   This section assumes that you installed Oracle WebLogic in <*BASE_DIR*>/pt/bea as described in the installation task.

   ```
   export ORACLE_HOME=<BASE_DIR>/pt/bea
   ```

   See "Deploying the HP-UX Deployment Packages," Installing Oracle WebLogic.

3. Extract the first zip file, PT-INFRA-DPK-HPI-8.61-<*DATE*>_1of2.zip in a temporary directory.

   ```
   unzip PT-INFRA-DPK-HPI-8.61-<DATE>_1of2.zip
   ```

4. Locate the archives for OPatch and the Oracle WebLogic CPU in the extracted files.
   - The OPatch archive, which is a zip file, is in the directory cpu_archives/weblogic_opatch_patches.
   - The Oracle WebLogic CPU archives are in the directory cpu_archives/weblogic_patches. There may be several zip files.
5. Extract the OPatch archive in the same temporary directory and note the full path for the extracted directory, referred to in the next step as <path_extracted_opatch_archive>.

   ```
   unzip <patch_name>.zip
   ```

6. Run this command to apply the OPatch CPU to the existing OPatch installation:

   Note. The command includes line feeds for readability. Enter the command on a single line.

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```
<JAVA_HOME>/bin/java -d64
-jar <path_extracted_opatch_archive>/opatch_generic.jar
-silent oracle_home=<BASE_DIR>/pt/bea
-invPtrLoc <Path_Central_Inventory_File>
```

7. Extract each Oracle WebLogic archive and note the full path for the extracted directory.
8. Change directory to each unzipped archive directory and run this command to apply the Oracle WebLogic archive:

   ```
   cd <Path_unzipped_WebLogic_archive>
   $ORACLE_HOME/OPatch/opatch apply
   ```

9. Restart the Application Server, web server (PIA), and Process Scheduler domains, and any processes.

Task 7-6: Using PT-INFRA DPKs for an Existing Oracle Tuxedo Installation

To use the PT-INFRA DPK to manually apply CPUs on an existing Oracle Tuxedo installation:

1. Stop all PeopleSoft Application Server, web server (PIA), and Process Scheduler domains using the PSADMIN utility.

   In addition, stop any running processes, such as standalone Application Engine programs.

   To stop and start the domains, see the topics for using the PSADMIN menus in *PeopleTools: System and Server Administration.*

   See Using the Application Server Administration Menu.

   See Using the Web (PIA) Server Menu.

   See Using the Process Scheduler Menu.

2. Extract the first zip file, PT-INFRA-DPK-HPI-8.61-<*DATE*>_1of2.zip in a temporary directory.

   ```
   unzip PT-INFRA-DPK-HPI-8.61-<DATE>_1of2.zip
   ```

3. Locate the archive for the Oracle Tuxedo CPU.

   The Oracle Tuxedo archive, which is a zip file, is in the directory cpu_archives/tuxedo_patches.

4. Extract the README.txt file and follow the instructions to apply the CPU.
5. Restart the Application Server, web server (PIA), and Process Scheduler domains, and any processes.

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Chapter 8

Removing Installed Components

This chapter discusses:

- Removing Oracle Database Client
- Removing Oracle WebLogic
- Removing Oracle Tuxedo

Task 8-1: Removing Oracle Database Client

To remove the Oracle Database Client:

1. Change directory to <*ORACLE_HOME*>/deinstall.

   ORACLE_HOME is the full path to the location where you installed the Oracle Database Client. The example given in the installation task is /psftbase/pt/oracle-client/19.3.0.0.

   See "Deploying the HP-UX Deployment Packages," Installing Oracle Database Client.

2. Generate a response file.

   The response file contains configuration values for the *ORACLE_HOME*. Supply the full path to a directory where the response file will be saved.

   ```
   ./deinstall -checkonly -o <full_directory_path>
   ```

3. Use this command to remove the software, supplying the full path to the directory containing the response file and the response file name.

   ```
   ./deinstall -silent -paramfile <full_directory_path/filename.rsp>
   ```

See Also

Oracle Database Client Installation Guide for HP-UX Itanium, "Removing Oracle Database Software"

Task 8-2: Removing Oracle WebLogic

Use the Oracle Universal Installer (OUI) in silent mode to remove Oracle WebLogic. If you have installed OPatch as well as Oracle WebLogic, uninstall OPatch first and then WebLogic. This section assumes that you installed Oracle WebLogic in *BASE_DIR*/pt/bea as described in the installation task.

See "Deploying the HP-UX Deployment Packages," Installing Oracle WebLogic.

Note. The commands include line feeds for readability. Enter the command on a single line.

1. Set the ORACLE_HOME environment variable.

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```
export ORACLE_HOME=<BASE_DIR>/pt/bea
```

2. If you want to remove OPatch, determine the version number using this command:

   ```
   <BASE_DIR>/pt/bea/OPatch/opatch version
   ```

3. Run the command to remove OPatch and supply the version number from the previous step.

   ```
   <BASE_DIR>/pt/bea/oui/bin/deinstall.sh -silent
   -ignoreSysPrereqs -distributionName OPatch
   -distributionVersion <Opatch version>
   ```

   For example:

   ```
   /psft/pt/bea/oui/bin/deinstall.sh -silent
   -ignoreSysPrereqs -distributionName OPatch
   -distributionVersion 13.9.4.2.8
   ```

4. Determine the version number for Oracle WebLogic using one of these methods:

   - Review the file registry.xml in <*BASE_DIR*>/pt/bea/weblogic/inventory.

     The version number can be found in this line:

     ```
     <distribution status="installed" name="WebLogic Server" version=⇒
     "14.1.1.0.0">
     ```

   - Change to the directory that contains weblogic.jar, such as <*BASE_DIR*>/pt/bea/wlserver/server/lib.

     Running the command `java -cp weblogic.jar weblogic.version` returns the version, such as WebLogic Server 14.1.1.0.0.

5. Run this command to remove Oracle WebLogic:

   ```
   <BASE_DIR>/pt/bea/oui/bin/deinstall.sh -silent
   -ignoreSysPrereqs -distributionName "WebLogic Server"
   -distributionVersion <weblogic version>
   ```

   For example:

   ```
   /psft/pt/bea/oui/bin/deinstall.sh -silent
   -ignoreSysPrereqs -distributionName "WebLogic Server"
   -distributionVersion 14.1.1.0
   ```

See Also

Installing Software with the Oracle Universal Installer, "Running the Oracle Universal Installer for Silent Deinstallation"

Patching with OPatch, https://docs.oracle.com/en/middleware/fusion-middleware/12.2.1.4/opatc/patching-your-environment-using-opatch.html#GUID-56D6728D-5EDC-482B-B2E4-DDB20A64FA32

Task 8-3: Removing Oracle Tuxedo

To remove Oracle Tuxedo:

1. Ensure you have this information:

   - ORACLE_HOME_FOR_TUXEDO is the absolute path of the ORACLE_HOME containing Oracle

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Tuxedo.

For example, if the Tuxedo installation directory is /psftbase/pt/bea/tuxedo/tuxedo12.2.2.0.0, then the ORACLE_HOME containing Oracle Tuxedo is /psftbase/pt/bea/tuxedo.

See "Deploying the HP-UX Deployment Packages," Installing Oracle Tuxedo.

- JAVA_HOME is the full path to the installation location for JDK, which is /jdkhome/jdk11 in this example.

  See "Prerequisites," Obtaining and Installing JDK for HP-UX.

- Path_central_inventory_file is the full path and file name for the oraInst.loc file, which is /var/opt/oracle/oraInst.loc in this example.

  See "Prerequisites," Reviewing the Oracle Central Inventory File Location and Permissions.

2. Enter this command to remove the installation.

Note. The commands includes line feeds for readability. Enter the command as a single line.

```
<ORACLE_HOME_FOR_TUXEDO>/oui/bin/runInstaller -silent -deinstall
-waitforcompletion -jreLoc <JAVA_HOME>
-invPtrLoc <Path_central_inventory_file>
"REMOVE_HOMES={<ORACLE_HOME_FOR_TUXEDO>}"
```

For example:

```
/psftbase/pt/bea/tuxedo/oui/bin/runInstaller -silent -deinstall
-waitforcompletion -jreLoc /jdkhome/jdk11
-invPtrLoc /var/opt/oracle/oraInst.loc
"REMOVE_HOMES={/psftbase/pt/bea/tuxedo}"
```

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Appendix A

Applying PeopleTools Patches Using DPKs

This appendix discusses:

- Reviewing PeopleTools Patch Application Options
- Using Scenario 1
- Using Scenario 2
- Using Scenario 3

Reviewing PeopleTools Patch Application Options

This appendix describes various use cases you may encounter when planning to apply a PeopleSoft PeopleTools 8.61.xx patch using the PeopleSoft PeopleTools deployment packages (DPKs) for HP-UX. These use cases assume that you want to apply the patch to an existing PeopleSoft PeopleTools 8.61 installation.

Here are some general recommendations for choosing the method to apply PeopleTools patches:

- If there are any changes to one or more additional software components, such as Oracle WebLogic (WL), Oracle Tuxedo (TX), or Oracle Client (OC), then consider Scenario 3.
- If there are no changes to any of the additional software components, Oracle WebLogic, Oracle Tuxedo, or Oracle Client, then consider Scenario 2.

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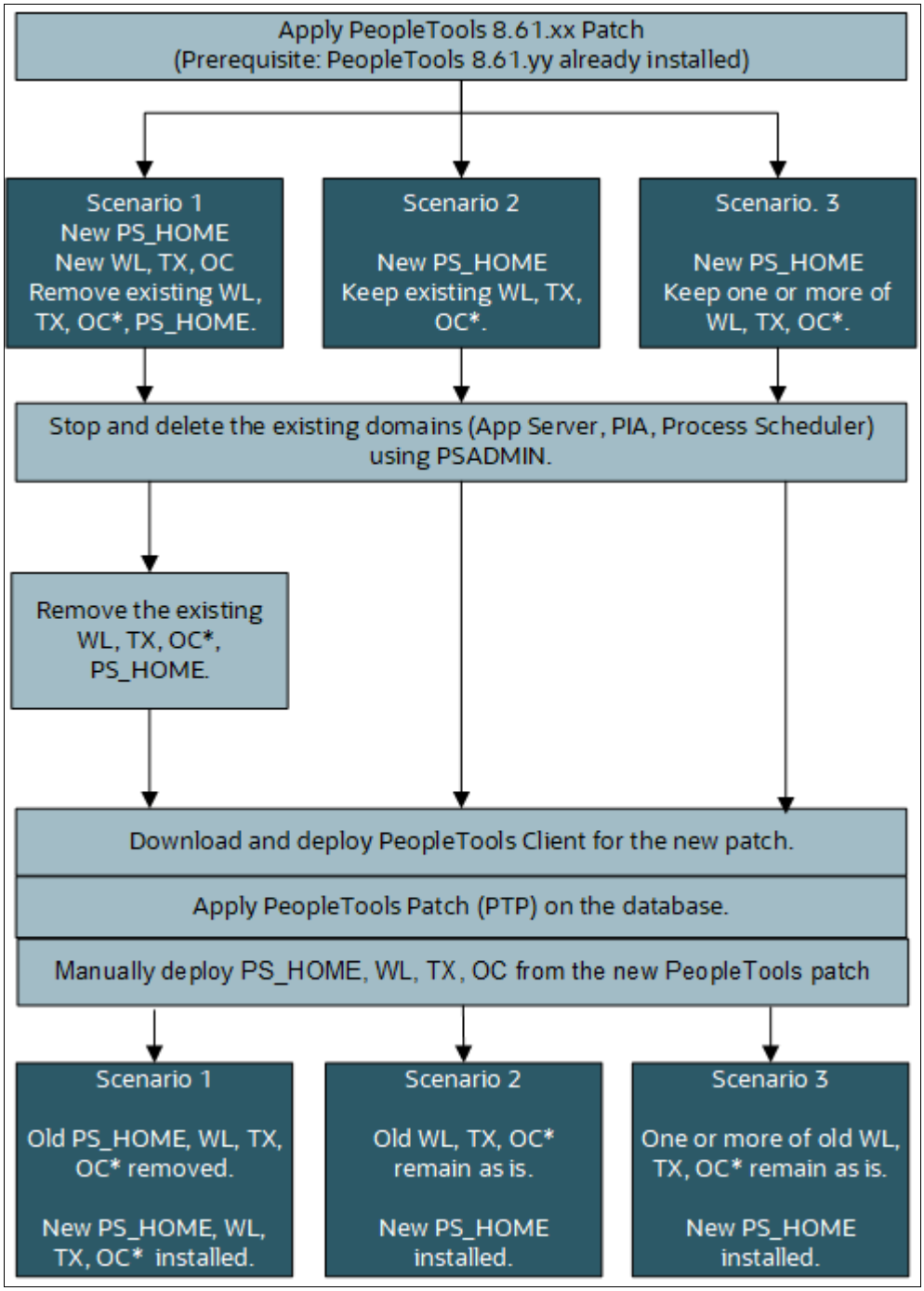
This graphic summarizes the three scenarios for applying PeopleTools Patch (8.61.xx) using DPKs.



Scenarios for applying PeopleTools patches

Task A-1: Using Scenario 1

This section discusses:

- Understanding Scenario 1

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- Stopping and Deleting the Domains on the Initial Environment
- Removing the Existing PeopleTools Components
- Downloading and Deploying the PeopleTools Client for the New Release
- Applying the PeopleTools Patch Using Change Assistant
- Deploying the Components for the New Release
- Reviewing the Results
- Verifying the Patch Application

Task A-1-1: Understanding Scenario 1

Scenario 1 assumes that:

- You need a new installation home directory, referred to here as *PS_HOME_NEW*, along with new installations of Oracle WebLogic, Oracle Tuxedo, and Oracle Client.
- You want to discard the existing installation home directory, referred to here as *PS_HOME_INIT* as well as the Oracle WebLogic, Oracle Tuxedo, and Oracle Client installations.
- You have a Microsoft Windows host to install the PeopleTools Client.
- This scenario applies to HP-UX operating systems.
- Your existing PeopleTools 8.61.<*init*> environment was installed using the PeopleSoft HP-UX DPKs.

Task A-1-2: Stopping and Deleting the Domains on the Initial Environment

Carry out these steps on the existing PeopleTools 8.61.<*init*> environment (for example, 8.61.01).

If you have not already done so, stop and delete the existing domains running on the initial, existing PeopleTools release, PeopleTools 8.61.<*init*> — Application Server, PIA, and Process Scheduler, using the PSADMIN utility.

See *PeopleTools: System and Server Administration,* "Using the Application Server Administration Menu."

See *PeopleTools: System and Server Administration,* "Using the Process Scheduler Menu."

See *PeopleTools: System and Server Administration,* "Using the Web (PIA) Server Menu."

Task A-1-3: Removing the Existing PeopleTools Components

Remove the existing WebLogic, Tuxedo, and Oracle Database Client software installations.

See "Removing Installed Components."

Task A-1-4: Downloading and Deploying the PeopleTools Client for the New Release

On the Microsoft Windows host that you have designated for the PeopleTools Client for the new PeopleTools 8.61.<*new*> patch; for example, PeopleTools 8.61.11:

1. Locate and download the PeopleTools 8.61.<*new*> DPKs for the new release to a directory with sufficient disc space, referred to here as *DPK_INSTALL_NEW*.

   See PeopleTools Patches Home Page, My Oracle Support, Doc ID 2062712.2, for links to the most recent patches. For earlier releases, search My Oracle Support, Patches and Updates.

2. In the downloaded DPKs, locate the DPK for the PeopleTools Client for the new PeopleTools 8.61.<*new*>

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patch, which is the fourth zip file *(Filename*_4of4.zip)

Copy the DPK to the Microsoft Windows Client machine.

3. To deploy the PeopleTools Client for the new 8.61.<*new*> PeopleTools patch in the Microsoft Windows Client host, use the instructions for standalone deployment described in this documentation, with the following guidelines.

   See "Deploying the PeopleTools Client DPK," Deploying the PeopleTools Client DPK for detailed steps and explanations.

   a. Run `SetupPTClient.bat -t`.

   b. Answer yes when asked if you want to deploy PeopleTools client.

   c. Specify an installation directory, the RDBMS, and other information for your environment.

      The default installation directory is C:\PT<*release_number*>_Client_<*database_type*>, for example C:\PT8.61.11_Client_ORA.

   d. Specify the PeopleTools Patch (2) option at this prompt:

```
Please make your selection for the Tools Client deployment:
1. People Tools Full Upgrade
2. People Tools Patch
3. None of the above
Enter your choice [1-3]: 2
```

   e. Answer y (yes) when asked if you want to install Change Assistant:

```
Do you want to install Change Assistant? [Y/N]: y
```

Task A-1-5: Applying the PeopleTools Patch Using Change Assistant

Use the Change Assistant (CA) you installed in the previous section to apply the new PeopleTools 8.61.<*new*> patch database changes. In the current PeopleTools release you can apply all patch database changes for the patch by installing a single PeopleTools change package (PTP) using Change Assistant. By using this new preferred method in PeopleTools 8.61, you can avoid applying the patch manually.

The database changes for the new release patch are delivered in a change package located in the *PS_HOME*/PTP directory in the Change Assistant installation; for example, C:\PT8.61.11_Client_ORA\PTP.

Here is a brief summary of the steps required to apply the change package using the Change Assistant graphical user interface. For detailed steps and explanations, see the PeopleTools product documentation.

See *PeopleTools: Change Assistant and Update Manager,* "Using Change Assistant to Apply PeopleTools Patch."

1. Start Change Assistant from the desktop icon or program menu.
2. Configure the general options and target database definitions.
3. Select Tools, Change Actions.
4. Select Update Manager and click Next.
5. Select Apply a Patch to your Current PeopleTools Release and click Finish.
6. Review the Change Package Settings page and click Next.
7. Select the target database, or if the database has not been defined yet, use the Create button to create the database.
8. Click Next.
9. Select the Change Package for the PeopleTools patch.

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10. Click Next.

    Change Assistant performs a PeopleTools patch version check. Review the messages and click Next. A warning is displayed if the selected patch is at the same or a lower level than the installed PeopleTools patch. It is not recommended to re-apply or downgrade PeopleTools patches.

11. The Apply Summary page is displayed; review the summary and click Finish.

12. Change Assistant will load the change package and run the PeopleTools patch job.

    All steps will run unattended and when the last step is complete you will receive a message that there are no more steps to run.

Alternatively, if you have configured a target environment and general options in Change Assistant, you can apply the change package via the command line. To apply the PTP on the command line, use the following command. Specify the target database name, such as HCM92U31 for <*YOUR_TARGET_DB_ENV_NAME*>, and the update ID of the change package for <*patchxxx*>:

```
Changeassistant.bat -MODE UM -ACTION PTPAPPLY -TGTENV <YOUR_TARGET_DB_ENV_⇒
NAME> -UPD <patchxxx>
```

See *PeopleTools: Change Assistant and Update Manager,* "Running Change Assistant Job from the Command Line."

Task A-1-6: Deploying the Components for the New Release

Follow the instructions in this documentation to install *PS_HOME,* Oracle WebLogic, Oracle Tuxedo, and Oracle Database Client.

See "Deploying the HP-UX Deployment Packages."

After completing the installation, set up the Application Server, web server (PIA) and Process Scheduler Domains.

See "Completing the Mid-Tier Setup."

Task A-1-7: Reviewing the Results

After completing the steps above:

- *PS_HOME,* Oracle WebLogic, Oracle Tuxedo, and the Oracle Client from the initial environment have been removed.
- There are new installations of *PS_HOME,* Oracle WebLogic, Oracle Tuxedo, and the Oracle Client.
- The Application Server, Process Scheduler, and PIA domains have been configured.

After applying the PeopleTools patch, review the patch's readme.txt for any manual configuration instructions that may be needed for your particular environment.

Task A-1-8: Verifying the Patch Application

Your host should have initialized successfully and started participating in your PeopleSoft environment.

1. Verify that you can sign in to PeopleSoft:

   Start a browser and sign on to the PeopleSoft Application with the URL http://<*hostname*>:<*pia_http_port*>/ps/signon.html.

2. If you do not see the log in page, verify that the environment can be reached from your machine using a utility such as ping.

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3. If your host can be pinged, verify that the PIA domain is running in the following step.
4. Verify that Application Server, Process Scheduler and PIA domains have started:
   a. Open a terminal windows and start the psadmin utility by typing `psadmin` at the command prompt.
   b. Use the PSADMIN menus for the Application Server, Process Scheduler, and Web server (PIA) to verify the status of each of the installed components.
   c. If one or more of the components has not started, examine the log files for the required PeopleSoft component to establish what has caused the component to not start.

      The log files are in the default locations for each of the PeopleSoft components.
5. To verify the *PS_APP_HOME* location, check the value of the PS_APP_HOME environment variable.

   The environment variable is found in the .profile file for the user. Use the following command to check the environment variable:

   ```
   export PS_APP_HOME=/home/fscm_app_home
   ```

6. You can review the psprcs.cfg file to verify that the SQR section includes a path for PS_APP_HOME.

   ```
   [SQR]
   ;=============================================================================⇒
   ==
   ; Settings for SQR Software
   ;=============================================================================⇒
   ==
   SQRBIN=%PS_HOME%/bin/sqr/ORA/bin
   PSSQRFLAGS=-ZIF%PS_HOME%/sqr/pssqr%LANGUAGECD%.unx
   Print Log=N
   Enhanced HTML=N
   PSSQR=%PS_APP_HOME%/sqr:%PS_HOME%/sqr
   ```

   See *PeopleTools: Process Scheduler,* "Using the PSADMIN for the Process Scheduler Configuration File."

Task A-2: Using Scenario 2

This section discusses:

- Understanding Scenario 2
- Stopping and Deleting Domains on the Initial Environment
- Downloading and Deploying the PeopleTools Client for the New Release
- Applying the PeopleTools Patch Using Change Assistant
- Deploying the Components for the New Release
- Reviewing the Results
- Verifying the Patch Application

Understanding Scenario 2

Scenario 2 assumes that:

- You want to install only the new patch release *PS_HOME*
- You want to retain the existing installations of Oracle WebLogic, Oracle Tuxedo, and Oracle Client.

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Task A-2-1: Stopping and Deleting Domains on the Initial Environment

Carry out these steps on the existing PeopleTools 8.61.<*init*> environment (for example, 8.61.01).

If you have not already done so, stop and delete the existing domains running on the initial, existing PeopleTools release, PeopleTools 8.61.<*init*> — Application Server, PIA, and Process Scheduler, using the PSADMIN utility.

See *PeopleTools: System and Server Administration,* "Using the Application Server Administration Menu."

See *PeopleTools: System and Server Administration,* "Using the Process Scheduler Menu."

See *PeopleTools: System and Server Administration,* "Using the Web (PIA) Server Menu."

Task A-2-2: Downloading and Deploying the PeopleTools Client for the New Release

On the Microsoft Windows host that you have designated for the PeopleTools Client for the new PeopleTools 8.61.<*new*> patch; for example, PeopleTools 8.61.11:

1. Locate and download the PeopleTools 8.61.<*new*> DPKs for the new release to a directory with sufficient disc space, referred to here as *DPK_INSTALL_NEW*.

   See PeopleTools Patches Home Page, My Oracle Support, Doc ID 2062712.2, for links to the most recent patches. For earlier releases, search My Oracle Support, Patches and Updates.

2. In the downloaded DPKs, locate the DPK for the PeopleTools Client for the new PeopleTools 8.61.<*new*> patch, which is the fourth zip file *(Filename*_4of4.zip)

   Copy the DPK to the Microsoft Windows Client machine.

3. To deploy the PeopleTools Client for the new 8.61.<*new*> PeopleTools patch in the Microsoft Windows Client host, use the instructions for standalone deployment described in this documentation, with the following guidelines.

   See "Deploying the PeopleTools Client DPK," Deploying the PeopleTools Client DPK for detailed steps and explanations.

   a. Run `SetupPTClient.bat -t`.

   b. Answer yes when asked if you want to deploy PeopleTools client.

   c. Specify an installation directory, the RDBMS, and other information for your environment.

      The default installation directory is C:\PT<*release_number*>_Client_<*database_type*>, for example C:\PT8.61.11_Client_ORA.

   d. Specify the PeopleTools Patch (2) option at this prompt:

      ```
      Please make your selection for the Tools Client deployment:
      1. People Tools Full Upgrade
      2. People Tools Patch
      3. None of the above
      Enter your choice [1-3]: 2
      ```

   e. Answer y (yes) when asked if you want to install Change Assistant:

      ```
      Do you want to install Change Assistant? [Y/N]: y
      ```

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Task A-2-3: Applying the PeopleTools Patch Using Change Assistant

Use the Change Assistant (CA) you installed in the previous section to apply the new PeopleTools 8.61.<*new*> patch database changes. In the current PeopleTools release you can apply all patch database changes for the patch by installing a single PeopleTools change package (PTP) using Change Assistant. By using this preferred method in PeopleTools 8.61, you can avoid applying the patch manually.

The database changes for the new release patch are delivered in a change package located in the *PS_HOME*/PTP directory in the Change Assistant installation; for example, C:\PT8.61.11_Client_ORA\PTP.

Here is a brief summary of the steps required to apply the change package using the Change Assistant graphical user interface. For detailed steps and explanations, see the PeopleTools product documentation.

See *PeopleTools: Change Assistant and Update Manager,* "Using Change Assistant to Apply PeopleTools Patch."

1. Start Change Assistant from the desktop icon or program menu.
2. Configure the general options and target database definitions.
3. Select Tools, Change Actions.
4. Select Update Manager and click Next.
5. Select Apply a Patch to your Current PeopleTools Release and click Finish.
6. Review the Change Package Settings page and click Next.
7. Select the target database, or if the database has not been defined yet, use the Create button to create the database.
8. Click Next.
9. Select the Change Package for the PeopleTools patch.
10. Click Next.

    Change Assistant performs a PeopleTools patch version check. Review the messages and click Next. A warning is displayed if the selected patch is at the same or a lower level than the installed PeopleTools patch. It is not recommended to re-apply or downgrade PeopleTools patches.
11. The Apply Summary page is displayed; review the summary and click Finish.
12. Change Assistant will load the change package and run the PeopleTools patch job.

    All steps will run unattended and when the last step is complete you will receive a message that there are no more steps to run.

Alternatively, if you have configured a target environment and general options in Change Assistant, you can apply the change package via the command line. To apply the PTP on the command line, use the following command, edited for your environment:

```
Changeassistant.bat -MODE UM -ACTION PTPAPPLY -TGTENV <YOUR_TARGET_DB_ENV_⇒
NAME_LIKE_PT856TST> -UPD <patchxxx>
```

See *PeopleTools: Change Assistant and Update Manager,* "Running Change Assistant Job from the Command Line."

Task A-2-4: Deploying the Components for the New Release

Follow the instructions in this documentation to install *PS_HOME,* Oracle WebLogic, Oracle Tuxedo, and Oracle Database Client.

See "Deploying the HP-UX Deployment Packages."

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After completing the installation, set up the Application Server, web server (PIA) and Process Scheduler Domains.

See "Completing the Mid-Tier Setup."

Task A-2-5: Reviewing the Results

After completing the steps above:

- *PS_HOME_INIT*, Oracle WebLogic, Oracle Tuxedo, and the Oracle Client from the initial environment remain as is.
- The Application Server, Process Scheduler, and PIA domains are configured.
- There is new installation of *PS_HOME_NEW*.

After applying the PeopleTools patch, review the patch's readme.txt for any manual configuration instructions that may be needed for your particular environment.

Task A-2-6: Verifying the Patch Application

Your host should have initialized successfully and started participating in your PeopleSoft environment.

1. Verify that you can sign in to PeopleSoft:

   Start a browser and sign on to the PeopleSoft Application with the URL http://<*hostname*>:<*pia_http_port*>/ps/signon.html.
2. If you do not see the log in page, verify that the environment can be reached from your machine using a utility such as ping.
3. If your host can be pinged, verify that the PIA domain is running in the following step.
4. Verify that Application Server, Process Scheduler and PIA domains have started:
   a. Open a terminal windows and start the psadmin utility by typing `psadmin` at the command prompt.
   b. Use the PSADMIN menus for the Application Server, Process Scheduler, and Web server (PIA) to verify the status of each of the installed components.
   c. If one or more of the components has not started, examine the log files for the required PeopleSoft component to establish what has caused the component to not start.

      The log files are in the default locations for each of the PeopleSoft components.
5. To verify the *PS_APP_HOME* location, check the value of the PS_APP_HOME environment variable.

   The environment variable is found in the .profile file for the user. Use the following command to check the environment variable:

   ```
   export PS_APP_HOME=/home/fscm_app_home
   ```
6. You can review the psprcs.cfg file to verify that the SQR section includes a path for PS_APP_HOME.

   ```
   [SQR]
   ;=============================================================================⇒
   ==
   ; Settings for SQR Software
   ;=============================================================================⇒
   ==
   SQRBIN=%PS_HOME%/bin/sqr/ORA/bin
   PSSQRFLAGS=-ZIF%PS_HOME%/sqr/pssqr%LANGUAGECD%.unx
   ```

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```
Print Log=N
Enhanced HTML=N
PSSQR=%PS_APP_HOME%/sqr:%PS_HOME%/sqr
```

See *PeopleTools: Process Scheduler,* "Using the PSADMIN for the Process Scheduler Configuration File."

Task A-3: Using Scenario 3

This section discusses:

- Understanding Scenario 3
- Stopping and Deleting the Domains on the Initial Environment
- Downloading and Deploying the PeopleTools Client for the New Release
- Applying the PeopleTools Patch Using Change Assistant
- Deploying the Components for the New Release
- Reviewing the Results
- Verifying the Patch Application

Understanding Scenario 3

Scenario 3 assumes that:

- You want to install only the new patch release *PS_HOME*
- You want to retain one or more of the existing installations of Oracle WebLogic, Oracle Tuxedo, or Oracle Client.
- This scenario applies to HP-UX operating systems.

Task A-3-1: Stopping and Deleting the Domains on the Initial Environment

Carry out these steps on the existing PeopleTools 8.61.<*init*> environment (for example, 8.61.01).

If you have not already done so, stop and delete the existing domains running on the initial, existing PeopleTools release, PeopleTools 8.61.<*init*> — Application Server, PIA, and Process Scheduler, using the PSADMIN utility.

See *PeopleTools: System and Server Administration,* "Using the Application Server Administration Menu."

See *PeopleTools: System and Server Administration,* "Using the Process Scheduler Menu."

See *PeopleTools: System and Server Administration,* "Using the Web (PIA) Server Menu."

Task A-3-2: Downloading and Deploying the PeopleTools Client for the New Release

On the Microsoft Windows host that you have designated for the PeopleTools Client for the new PeopleTools 8.61.<*new*> patch; for example, PeopleTools 8.61.11:

1. Locate and download the PeopleTools 8.61.<*new*> DPKs for the new release to a directory with sufficient disc space, referred to here as *DPK_INSTALL_NEW*.

   See PeopleTools Patches Home Page, My Oracle Support, Doc ID 2062712.2, for links to the most recent patches. For earlier releases, search My Oracle Support, Patches and Updates.

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2. In the downloaded DPKs, locate the DPK for the PeopleTools Client for the new PeopleTools 8.61.<*new*> patch, which is the fourth zip file *(Filename*_4of4.zip)

   Copy the DPK to the Microsoft Windows Client machine.

3. To deploy the PeopleTools Client for the new 8.61.<*new*> PeopleTools patch in the Microsoft Windows Client host, use the instructions for standalone deployment described in this documentation, with the following guidelines.

   See "Deploying the PeopleTools Client DPK," Deploying the PeopleTools Client DPK for detailed steps and explanations.

   a. Run `SetupPTClient.bat -t`.

   b. Answer yes when asked if you want to deploy PeopleTools client.

   c. Specify an installation directory, the RDBMS, and other information for your environment.

      The default installation directory is C:\PT<*release_number*>_Client_<*database_type*>, for example C:\PT8.61.11_Client_ORA.

   d. Specify the PeopleTools Patch (2) option at this prompt:

      ```
      Please make your selection for the Tools Client deployment:
      1. People Tools Full Upgrade
      2. People Tools Patch
      3. None of the above
      Enter your choice [1-3]: 2
      ```

   e. Answer y (yes) when asked if you want to install Change Assistant:

      ```
      Do you want to install Change Assistant? [Y/N]: y
      ```

Task A-3-3: Applying the PeopleTools Patch Using Change Assistant

Use the Change Assistant (CA) you installed in the previous section to apply the new PeopleTools 8.61.<*new*> patch database changes. In the current PeopleTools release you can apply all patch database changes for the patch by installing a single PeopleTools change package (PTP) using Change Assistant. By using this new preferred method in PeopleTools 8.61, you can avoid applying the patch manually.

The database changes for the new release patch are delivered in a change package located in the *PS_HOME*/PTP directory in the Change Assistant installation; for example, C:\PT8.61.11_Client_ORA\PTP.

Here is a brief summary of the steps required to apply the change package using the Change Assistant graphical user interface. For detailed steps and explanations, see the PeopleTools product documentation.

See *PeopleTools: Change Assistant and Update Manager,* "Using Change Assistant to Apply PeopleTools Patch."

1. Start Change Assistant from the desktop icon or program menu.
2. Configure the general options and target database definitions.
3. Select Tools, Change Actions.
4. Select Update Manager and click Next.
5. Select Apply a Patch to your Current PeopleTools Release and click Finish.
6. Review the Change Package Settings page and click Next.
7. Select the target database, or if the database has not been defined yet, use the Create button to create the database.
8. Click Next.
9. Select the Change Package for the PeopleTools patch.

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10. Click Next.

    Change Assistant performs a PeopleTools patch version check. Review the messages and click Next. A warning is displayed if the selected patch is at the same or a lower level than the installed PeopleTools patch. It is not recommended to re-apply or downgrade PeopleTools patches.

11. The Apply Summary page is displayed; review the summary and click Finish.

12. Change Assistant will load the change package and run the PeopleTools patch job.

    All steps will run unattended and when the last step is complete you will receive a message that there are no more steps to run.

Alternatively, if you have configured a target environment and general options in Change Assistant, you can apply the change package via the command line. To apply the PTP on the command line, use the following command. Specify the target database name, such as HCM92U31 for *<YOUR_TARGET_DB_ENV_NAME>,* and the update ID of the change package for *<patchxxx>*:

```
Changeassistant.bat -MODE UM -ACTION PTPAPPLY -TGTENV <YOUR_TARGET_DB_ENV_⇒
NAME> -UPD <patchxxx>
```

See *PeopleTools: Change Assistant and Update Manager,* "Running Change Assistant Job from the Command Line."

Task A-3-4: Deploying the Components for the New Release

Follow the instructions in this documentation to install *PS_HOME,* Oracle WebLogic, Oracle Tuxedo, and Oracle Database Client.

See "Deploying the HP-UX Deployment Packages."

After completing the installation, set up the Application Server, web server (PIA) and Process Scheduler Domains.

See "Completing the Mid-Tier Setup."

Task A-3-5: Reviewing the Results

After completing the steps above:

- One or more of the Oracle WebLogic, Oracle Tuxedo, and the Oracle Client installations from the initial environment have been retained.
- The Application Server, Process Scheduler, and PIA domains have been configured.
- There is new *PS_HOME_NEW* installation in the same location as the initial *PS_HOME_INIT*.

After applying the PeopleTools patch, review the patch's readme.txt for any manual configuration instructions that may be needed for your particular environment.

Task A-3-6: Verifying the Patch Application

Your host should have initialized successfully and started participating in your PeopleSoft environment.

1. Verify that you can sign in to PeopleSoft:

   Start a browser and sign on to the PeopleSoft Application with the URL http://*<hostname>*:*<pia_http_port>*/ps/signon.html.

2. If you do not see the log in page, verify that the environment can be reached from your machine using a utility such as ping.

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3. If your host can be pinged, verify that the PIA domain is running in the following step.
4. Verify that Application Server, Process Scheduler and PIA domains have started:
   a. Open a terminal windows and start the psadmin utility by typing `psadmin` at the command prompt.
   b. Use the PSADMIN menus for the Application Server, Process Scheduler, and Web server (PIA) to verify the status of each of the installed components.
   c. If one or more of the components has not started, examine the log files for the required PeopleSoft component to establish what has caused the component to not start.

      The log files are in the default locations for each of the PeopleSoft components.
5. To verify the *PS_APP_HOME* location, check the value of the PS_APP_HOME environment variable.

   The environment variable is found in the .profile file for the user. Use the following command to check the environment variable:

   ```
   export PS_APP_HOME=/home/fscm_app_home
   ```

6. You can review the psprcs.cfg file to verify that the SQR section includes a path for PS_APP_HOME.

   ```
   [SQR]
   ;=============================================================================⇒
   ==
   ; Settings for SQR Software
   ;=============================================================================⇒
   ==
   SQRBIN=%PS_HOME%/bin/sqr/ORA/bin
   PSSQRFLAGS=-ZIF%PS_HOME%/sqr/pssqr%LANGUAGECD%.unx
   Print Log=N
   Enhanced HTML=N
   PSSQR=%PS_APP_HOME%/sqr:%PS_HOME%/sqr
   ```

   See *PeopleTools: Process Scheduler,* "Using the PSADMIN for the Process Scheduler Configuration File."

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Appendix B

Performing a PeopleTools-Only Upgrade Using the PeopleSoft PeopleTools DPKs

This appendix discusses:

- Understanding the PeopleTools-Only Upgrade Using DPKs
- Performing the PeopleTools-Only Upgrade Using DPKs
- Reviewing the Results of the PeopleTools-Only Upgrade Using DPKs

Understanding the PeopleTools-Only Upgrade Using DPKs

Use these steps to perform a PeopleTools-only upgrade to PeopleSoft PeopleTools 8.61.xx, using the PeopleSoft PeopleTools Deployment Packages (DPKs). The PeopleTools Client DPK is used first to deploy the PeopleTools Client, which includes the installation of Change Assistant. Subsequently, the PeopleTools DPKs are used to install mid-tier components and the *PS_HOME* for the new release.

Task B-1: Performing the PeopleTools-Only Upgrade Using DPKs

To use the DPKs to perform a PeopleTools-only upgrade:

1. Stop and delete the domains for the existing (old) release.

   Stop and delete the existing Application Server, PeopleSoft Pure Internet Architecture (PIA), and Process Scheduler domains for the old release using the PSADMIN utility.

   See *PeopleTools System and Server Administration,* "Using PSADMIN Command-Line Interface."

2. Deploy PeopleTools Client for 8.61.xx on Microsoft Windows host using the PeopleTools Client DPK, as follows.
   a. Download the PeopleSoft PeopleTools 8.61 DPK from My Oracle Support.
   b. Install the PeopleTools 8.61.xx client using the fourth DPK zip file (PeopleTools Client DPK).

      See "Deploying the PeopleTools Client DPK."

      Note. The PeopleTools-only Upgrade change package is delivered with the PeopleTools Windows Client DPK and the PeopleTools server DPKs.

   c. During the deployment, select these options:

      Choose "PeopleTools Full Upgrade."

      Choose the option to install Change Assistant.
3. Upgrade the PeopleTools database running on the existing (old) release.

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a. Configure the database setup in Change Assistant for the database that needs to be upgraded.

   See *PeopleTools Change Assistant and Update Manager,* "Using Change Assistant to Upgrade PeopleTools."

   See the upgrade document *Getting Started on Your PeopleTools Upgrade* for your new PeopleTools release on the PeopleTools 8.61 Upgrade Home Page.

b. Follow the PeopleTools-only upgrade instructions for upgrading the database to the new PeopleTools release.

   See the PeopleTools Upgrade Documentation for your new PeopleTools release on the PeopleTools 8.61 Upgrade Home Page, My Oracle Support, Doc ID 2897539.1.

4. Follow the instructions in this documentation to install *PS_HOME,* Oracle Tuxedo, Oracle WebLogic, and Oracle Database Client.

   See "Deploying the HP-UX Deployment Packages."

   For this upgrade process, it is required that you use the component software that is installed by the PeopleTools DPK for Oracle Tuxedo, Oracle WebLogic, and Oracle Database Client. Do not use existing installations of Oracle Tuxedo, Oracle WebLogic, and Oracle Database Client.

   Note. Before deploying new domains against an existing database, review the default DPK settings, and identify anything that needs to be customized. Include parameters such as installation locations or the default local node name (gateway_local_node parameter) in your psft_customizations.yaml file.

   After completing the installation, set up the Application Server, web server (PIA) and Process Scheduler Domains.

   See "Completing the Mid-Tier Setup."

Task B-2: Reviewing the Results of the PeopleTools-Only Upgrade Using DPKs

After you complete the steps above:

- The PeopleTools database is upgraded to 8.61.xx.
- The Oracle WebLogic, Oracle Tuxedo, and Oracle Client from the PeopleTools 8.61.xx are installed.
- The *PS_HOME* from the old (existing) PeopleTools release remains as is.
- The new PeopleTools 8.61.xx *PS_HOME* is created.
- New Application Server, PIA, and Process Scheduler domains are created connecting to the database upgraded to PeopleTools 8.61.xx.

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