

Spotlight on

Infrastructure DPKs for
PeopleTools 8.59



Topics

1. Describing the PeopleTools 8.59 Infrastructure DPKs
2. Applying CPUs on an Existing Environment
3. Using PT-INFRA DPKs with a New Installation on VirtualBox
4. Using PT-INFRA DPKs with a New PeopleTools Client in Update Manager Mode
5. Additional Resources



In this spotlight series, we will describe the PT-INFRA DPK naming convention, summarize the contents and availability, and demonstrate locating the DPKs in My Oracle Support.

We will demonstrate using the PT-INFRA DPKs with an existing full-tier environment. We will also demonstrate using the PT-INFRA DPKs with a new VirtualBox installation, and PeopleTools Client in Update Manager mode.

We will also review documentation resources.

Describing the PeopleTools 8.59 Infrastructure DPKs

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We begin by describing the PT-INFRA DPKs.

Describing the PeopleTools 8.59 Infrastructure DPKs (PT-INFRA DPK)

Overview

The PT-INFRA DPKs are delivered with updated CPUs when they are available or required.

- Download from My Oracle Support.
- Use with installations based on PeopleTools 8.59.
- Delivered with updated CPUs for:
 - Oracle Tuxedo
 - Oracle WebLogic
 - Oracle Java JDK 11 (Microsoft Windows, Linux, and Solaris only)
 - Oracle Database Client
- Available for these operating systems:
 - Microsoft Windows
 - Linux
 - AIX
 - Solaris
 - HP-UX

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Oracle delivers the PT-INFRA DPKs, when updated Critical Patch Updates (CPUs) for one or more of the software components are available or required. They are not available on the same schedule as PeopleSoft PeopleTools or the PeopleSoft images. You will see the PT-INFRA DPKs referred to in the product documentation as “Infrastructure DPKs.”

You can download the PT-INFRA DPK zip files from the Patches and Updates area of My Oracle Support.

The PT-INFRA DPKs are specific to a given PeopleTools release. You can't use the PeopleTools 8.59 version, for example, to install the software components included on a PeopleTools 8.58 installation.

The PT-INFRA DPK set includes CPUs for Oracle Tuxedo, Oracle WebLogic, Oracle Java JDK, and Oracle Database Client, and are available for Microsoft Windows, Linux, AIX, Solaris, and HP-UX.

Oracle JDK is included only for Windows, Linux and Solaris operating systems.

Describing the PeopleTools 8.59 Infrastructure DPKs

Naming Convention

Operating System Type	PT-INFRA DPK File Name
Microsoft Windows	PT-INFRA-DPK-WIN-<PT-Version>-<yymmdd>_#of2.zip
Linux	PT-INFRA-DPK-LNX-<PT-Version>-<yymmdd>_#of2.zip
IBM AIX	PT-INFRA-DPK-AIX-<PT-Version>-<yymmdd>_#of2.zip
Solaris	PT-INFRA-DPK-SOL-<PT-Version>-<yymmdd>_#of2.zip
HP-UX	PT-INFRA-DPK-HPI-<PT-Version>-<yymmdd>_#of2.zip

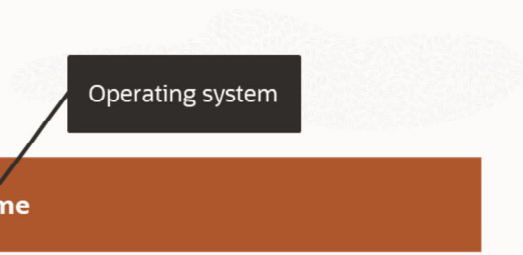
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The PT-INFRA DPKs names begin with PT-INFRA-DPK, followed by descriptive abbreviations.

Describing the PeopleTools 8.59 Infrastructure DPKs

Naming Convention



Operating System Type	PT-INFRA DPK File Name
Microsoft Windows	PT-INFRA-DPK- WIN -<PT-Version>-<yymmdd>_#of2.zip
Linux	PT-INFRA-DPK- LNx -<PT-Version>-<yymmdd>_#of2.zip
IBM AIX	PT-INFRA-DPK- AIX -<PT-Version>-<yymmdd>_#of2.zip
Solaris	PT-INFRA-DPK- SOL -<PT-Version>-<yymmdd>_#of2.zip
HP-UX	PT-INFRA-DPK- HPI -<PT-Version>-<yymmdd>_#of2.zip

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The abbreviations for the operating system types include WIN for Microsoft Windows, LNX for Linux, AIX, SOL for Solaris, and HPI for HP-UX.

Describing the PeopleTools 8.59 Infrastructure DPKs

Naming Convention

PeopleTools release, such as
8.59

Operating System Type	PT-INFRA DPK File Name
Microsoft Windows	PT-INFRA-DPK-WIN- <PT-Version> -<yymmdd>_#of2.zip
Linux	PT-INFRA-DPK-LNX- <PT-Version> -<yymmdd>_#of2.zip
IBM AIX	PT-INFRA-DPK-AIX- <PT-Version> -<yymmdd>_#of2.zip
Solaris	PT-INFRA-DPK-SOL- <PT-Version> -<yymmdd>_#of2.zip
HP-UX	PT-INFRA-DPK-HPI- <PT-Version> -<yymmdd>_#of2.zip

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Next is the PeopleTools release, currently 8.59.

Describing the PeopleTools 8.59 Infrastructure DPKs

Naming Convention

The date the DPKs were made available
(year-month-day)

Operating System Type	PT-INFRA DPK File Name
Microsoft Windows	PT-INFRA-DPK-WIN-<PT-Version>-<yymmdd>_#of2.zip
Linux	PT-INFRA-DPK-LNX-<PT-Version>-<yymmdd>_#of2.zip
IBM AIX	PT-INFRA-DPK-AIX-<PT-Version>-<yymmdd>_#of2.zip
Solaris	PT-INFRA-DPK-SOL-<PT-Version>-<yymmdd>_#of2.zip
HP-UX	PT-INFRA-DPK-HPI-<PT-Version>-<yymmdd>_#of2.zip

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Then the date that the DPKs were made available, in the format year, month, day.

Describing the PeopleTools 8.59 Infrastructure DPKs

Contents

Filename_1of2.zip

readme.txt

psft_patches.yaml

ptinfra-manifest

cpu_archives

archives

[Link to documentation](#)

Filename_2of2.zip

ptinfra-manifest

cpu_archives

archives

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The first zip file, labelled 1 of 2.zip, includes readme.txt, which points you to the documentation. Review the documentation before you continue.

Enterprise Performance Management

Interaction Hub (Portal Solutions)

Common

Other

Documentation Updates

See [Documentation Updates](#) for a cumulative list of updates to the online help and PeopleBooks through July 19, 2021.

Set Up Hosted Context-Sensitive Help

Set up your PeopleSoft applications to use this site for context-sensitive help. The hosted PeopleSoft Online Help can search multiple product families and releases and return context-sensitive help from all available resources.

Note: You can configure context-sensitive help to always display help for the latest applications image or PeopleTools patch, so you'll never have to update your help configuration again.

[Configure Context-Sensitive Help Using the Hosted Online Help Website](#)

Install and Upgrade

[PeopleSoft PeopleTools 8.59 Deployment Packages Installation](#)
[PeopleSoft Deployment Packages for Shortcircuit Installation \(PeopleSoft PeopleTools 8.59\)](#)
[PT-INFRA Deployment Package Installation \(PeopleSoft PeopleTools 8.59\)](#)
[PeopleSoft Deployment Package for Ouz z/OS Batch Setup \(PeopleSoft PeopleTools 8.59\)](#)
[PeopleTools 8.59 Upgrade](#)
[Getting Started on Your PeopleTools Upgrade](#)

PeopleSoft Application Management Plug-in

Online Help (HTML): [PeopleSoft Application Management Plug-in 13.5.11.0 for Oracle Enterprise Manager 13.5](#)
Implement: [PeopleSoft Application Management Plug-in 13.5.11.0 for Oracle Enterprise Manager 13.5](#)
Installation: [PeopleSoft Application Management Plug-in 13.5.11.0 for Oracle Enterprise Manager 13.5](#)

Other Documentation

Notices

You can access the latest version of all PeopleSoft documentation on this page. If you use links to older versions of the documentation that are no longer available, you'll be redirected to the latest version of the documentation or to this page.

The Hosted Online Help and PeopleBook PDFs are updated with every PeopleSoft Update Image. The locally installable Online Help is updated and made available with the first PeopleSoft Update Image of each calendar year.

Find regularly-posted announcements about new certifications, end-of-support or third-party retirement notices, and other platform-related information in [Tech Updates](#).

On the PeopleTools page in Oracle Help Center, scroll down to the Install and Upgrade section and select the link for PT-INFRA DPK Deployment Packages installation for PeopleSoft PeopleTools 8.59.
The installation guide includes tasks for the various use cases you will encounter.

Describing the PeopleTools 8.59 Infrastructure DPKs

Contents

Filename_1of2.zip

readme.txt

psft_patches.yaml

ptinfra-manifest

cpu_archives

archives

Patch numbers for the software and OPatch

Filename_2of2.zip

ptinfra-manifest

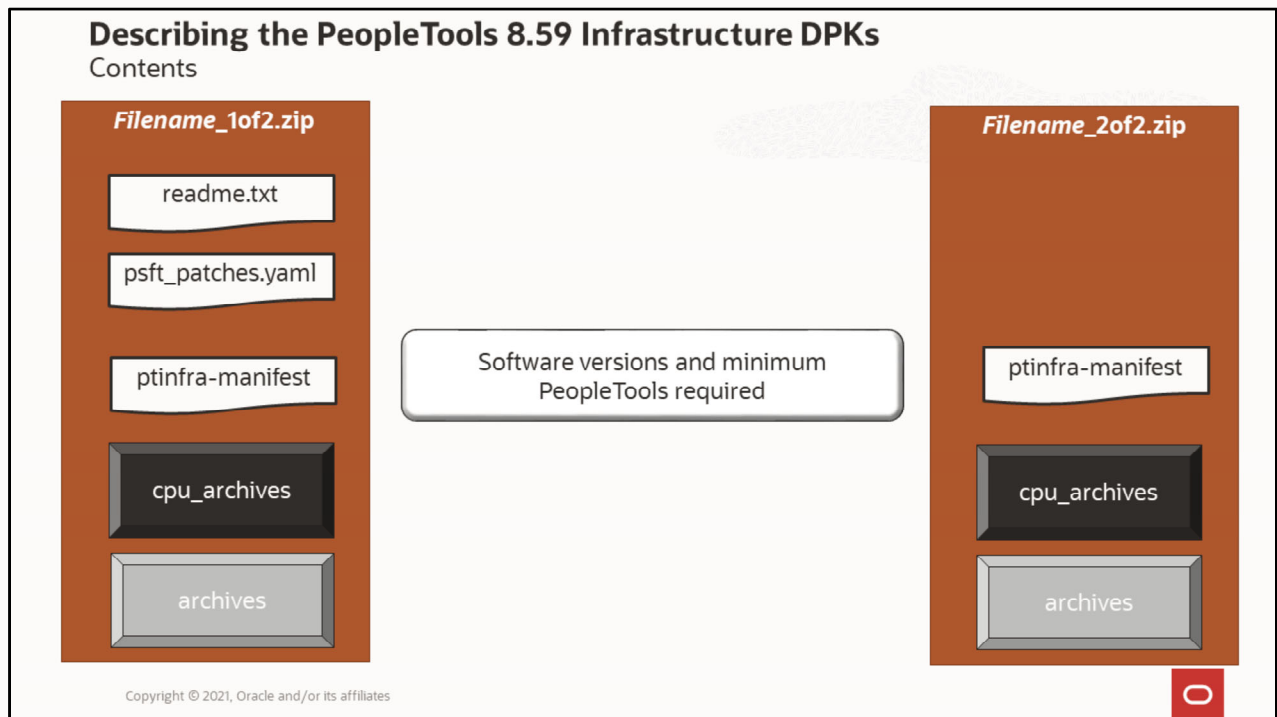
cpu_archives

archives

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The psft_patches.yaml file includes the full path and file name for each of the CPUs in the PT-INFRA DPK, and gives more details about the patch numbers.



The `ptinfra-manifest` is a text file that lists the versions and CPUs of the delivered components. Both zip files include the `ptinfra-manifest`.

The manifest also specifies a minimum PeopleTools version that the PT-INFRA DPK can be used with.

Your first step in deciding whether to use the PT-INFRA DPKs is to compare the software versions in the `ptinfra-manifest` file with the versions in the manifest for the PeopleSoft image or PeopleTools patch DPK, and check to be sure the PeopleTools minimum requirement is satisfied.

Describing the PeopleTools 8.59 Infrastructure DPKs

Contents

Filename_1of2.zip

readme.txt

psft_patches.yaml

ptinfra-manifest

cpu_archives

archives

Directory used to apply CPUs to installed software components on existing environments.

Filename_2of2.zip

ptinfra-manifest

cpu_archives

archives

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The cpu_archives directory includes the artifacts used to update CPUs on existing environments. The contents are different in each zip file, and will vary depending upon which components have updated CPUs available.

Describing the PeopleTools 8.59 Infrastructure DPKs

Contents

Filename_1of2.zip

readme.txt

psft_patches.yaml

ptinfra-manifest

cpu_archives

archives

Directory used to install software components for new installations.

Filename_2of2.zip

ptinfra-manifest

cpu_archives

archives

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The archives directory includes artifacts used to install updated software components for new installations. These contents also vary.

Describing the PeopleTools 8.59 Infrastructure DPKs

Uses

New Installations

- PeopleSoft Update Images, for performing PUM maintenance.
- PeopleSoft Update Images to install a new PeopleSoft application environment.
- PeopleSoft PeopleTools patchsets for applying a PeopleTools patch or PeopleTools-only upgrade.
- PeopleTools Client (Java and Oracle Client)
- Elasticsearch, Logstash, and Kibana DPK (Java only)

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You can use the PT-INFRA DPKs in two ways. As in the last release, use the DPK set to include updated software in a new installation,....

Describing the PeopleTools 8.59 Infrastructure DPKs

Uses

New Installations

- PeopleSoft Update Images, for performing PUM maintenance.
- PeopleSoft Update Images to install a new PeopleSoft application environment.
- PeopleSoft PeopleTools patchsets for applying a PeopleTools patch or PeopleTools-only upgrade.
- PeopleTools Client (Java and Oracle Client)
- Elasticsearch, Logstash, and Kibana DPK (Java only)

Existing Environments

- PeopleSoft Update Images, for performing PUM maintenance.
- PeopleSoft Update Images to install a new PeopleSoft application environment.
- PeopleSoft PeopleTools patchsets for applying a PeopleTools patch or PeopleTools-only upgrade.
- PeopleTools Client (Java and Oracle Client)

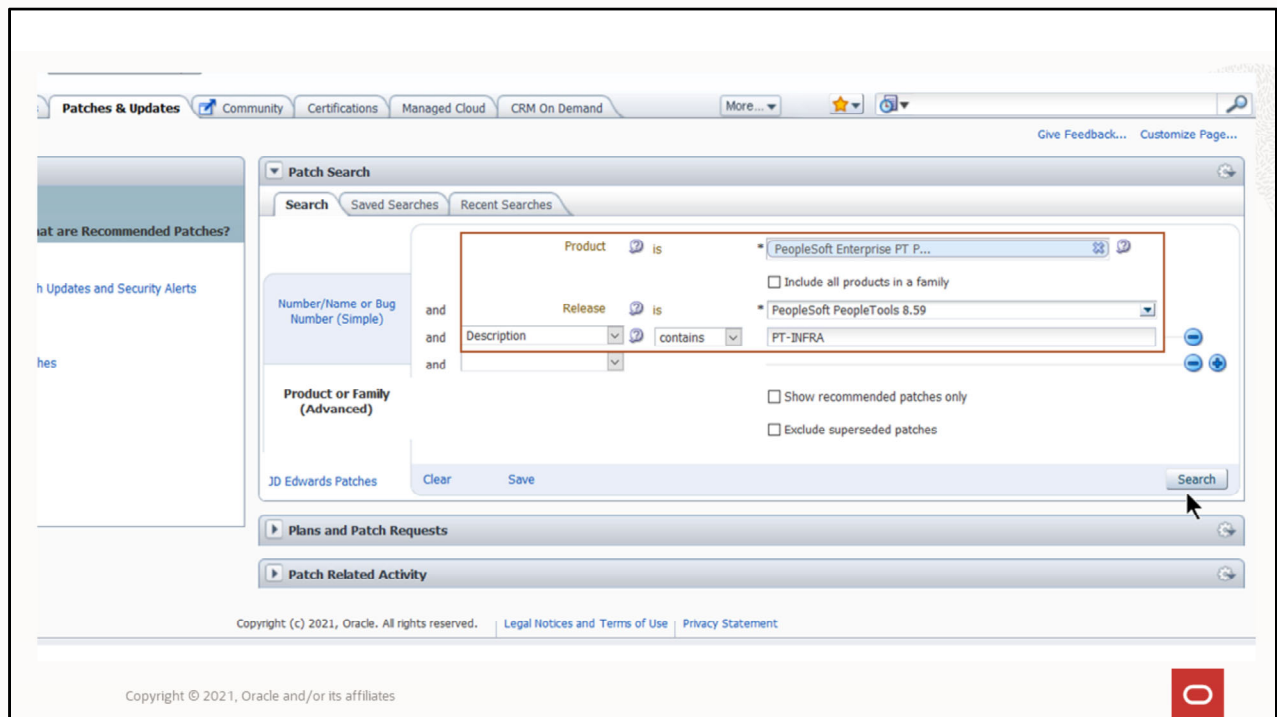
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And now, you can also apply CPUs to the software components on an existing environment, including Update Images for application environments, PeopleTools patches or PeopleTools-only upgrades, and PeopleTools Client.

When you use the PT-INFRA DPK set for a new or existing PeopleTools Client environment, it updates the Oracle Database Client and Oracle Java 11.

When you use the PT-INFRA DPK set for a new Elasticsearch installation, it updates only Oracle Java 11.



To locate the latest PT-INFRA DPKs, log in to My Oracle Support and select the Patches and Updates tab. Select the Product or Family (advanced) tab, Enter PeopleSoft Enterprise PT PeopleTools for the Product, and select the current PeopleTools release. Filter the results by including PT-INFRA in the description.

ORACLE MY ORACLE SUPPORT PowerView is Off Last Login: August 30, 2021 5:53 PM PDT Switch to Cloud Support Contact Us Help

Dashboard Knowledge Service Requests Patches & Updates Community Certifications Managed Cloud CRM On Demand More...

Patches & Updates > Patch Search Give Feedback...

Patch Advanced Search Results

Filters: Product is PeopleSoft Enterprise PT PeopleTools; Release is PeopleSoft PeopleTools 8.59; Description contains PT-INFRA; Edit Search

Patch Name	Description	Release	Platform (Language)	Classification	Product	Updated	Size	Download Access	Recommended
33137220	PT-INFRA DPK FOR PEOPLETOOLS 8.59 (Patchset)	8.59.0	Oracle Solaris on SPARC (64-bit) (American English)	General	PeopleSoft PeopleTools	1+ month ago	3.4 GB	Software	
33137220	PT-INFRA DPK FOR PEOPLETOOLS 8.59 (Patchset)	8.59.0	IBM AIX on POWER Systems (64-bit) (American English)	General	PeopleSoft PeopleTools	1+ month ago	4.2 GB	Software	
33137220	PT-INFRA DPK FOR PEOPLETOOLS 8.59 (Patchset)	8.59.0	Microsoft Windows x64 (64-bit) (American English)	General	PeopleSoft PeopleTools	1+ month ago	3.7 GB	Software	
33137220	PT-INFRA DPK FOR PEOPLETOOLS 8.59 (Patchset)	8.59.0	Linux x86-64 (American English)	General	PeopleSoft PeopleTools	1+ month ago	4.0 GB	Software	
33137220	PT-INFRA DPK FOR PEOPLETOOLS 8.59 (Patchset)	8.59.0	HP-UX Itanium (American English)	General	PeopleSoft PeopleTools	1+ month ago	4.6 GB	Software	

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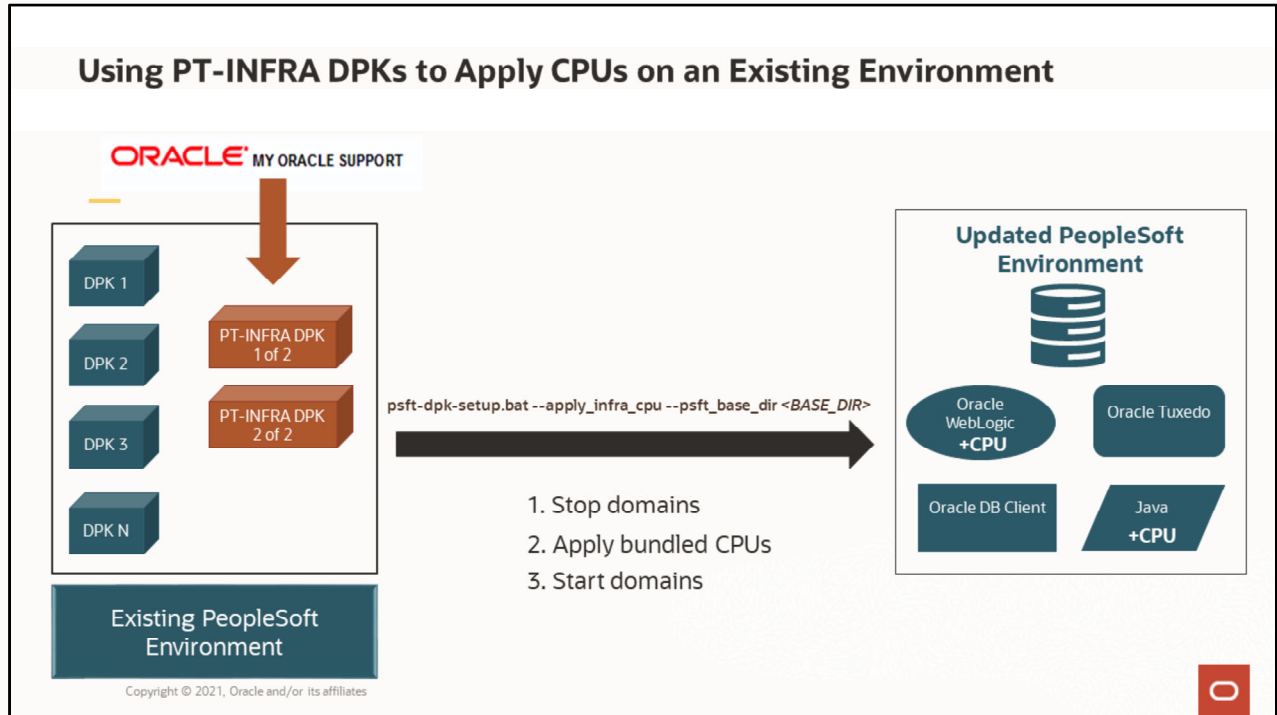
For this video we will use the Linux and Windows versions. Download both zip files to a temporary directory, and don't unzip them before beginning the deployment. The instructions tell you which files you need to extract to prepare for the deployment.

Applying CPUs on an Existing Environment

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Applying CPUs on an Existing Environment.



To apply CPUs on an existing environment, download the PT-INFRA DPKs into the directory where you saved the PeopleTools patch DPKs or PeopleSoft application images used for installation.

When you run the DPK setup script with the options `apply_infra_cpu` and `psft_base_dir`, it stops the domains, applies the bundled CPUs, and restarts the domains. The CPUs that are bundled with the PT-INFRA DPKs vary. In these demonstrations, that includes Oracle WebLogic and Java.

Oracle My Oracle Support | PowerView is Off | Last Login: September 16, 2021 2:13 PM PDT | Switch to Cloud Support | Contact Us | Help

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- Campus Solutions Update Image Home Page
- Interaction Hub Update Image Home Page

FSCM Update Image Home Page

Important Notifications

FSCM Update Image Link

FSCM Update Images | VirtualBox | **Native OS**

- Use the links in the table below to download the update image.
- Refer to the PeopleSoft Deployment Packages for Update Images installation (PeopleSoft PeopleTools 8.59) located in the Installation Documentation section on this page for instructions on how to install the update image.
- After you download and install the update image, see the online help in PeopleTools: Change Assistant and Update Manager, "Quick Start" for your release on the PeopleSoft PeopleTools Help Center for an overview of the update process with links to detailed instructions.
- See Quick Start Reference for PeopleSoft Update Images on PeopleTools 8.59, Doc ID 27737211, for quick instructions on installing your PeopleSoft Update Image and creating your change package using PeopleTools 8.59.

IMPORTANT! There may be some known issues, errors, and warnings with this PeopleSoft Update Image. You MUST review the Known Issues section for more information!

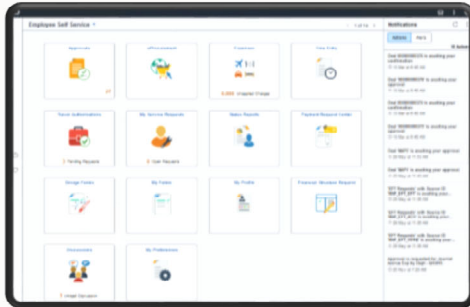
FSCM Update Image Link - Native OS						
FSCM Update Image	BUG Number	Update Image Manifest	Update Image Contents List	Platform	Date Posted	Update Image Highlight Video
PeopleSoft Update Image FSCM 9.2.041 - Linux	33085253	FSCM 9.2.041 Update Image Manifest - Linux	FSCM 9.2.041 Update Image Contents List	Linux	September 15, 2021	Image highlights PeopleSoft FSCM Update Image 41
PeopleSoft Update Image FSCM 9.2.041 - Windows		FSCM 9.2.041 Update Image Manifest - Windows		Windows		

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To find the link for the PeopleSoft Update Image, go to the PeopleSoft Update Manager home page in My Oracle Support and select the page for FSCM. On the Native OS tab, click the link for the image, and download to a convenient directory.

Using PT-INFRA DPKs to Apply CPUs on an Existing Environment



- FSCM
- Linux operating system
- Full-tier, PUM
- Default initialization
- Base directory → /scratch/psft
- Users' home directory → /scratch/psftuserhome

This demonstration installs a full-tier FSCM environment on a Linux VM, and then updates with the PT-INFRA DPKs.

This is a PUM-type installation, with a DEMO database. The base directory, /scratch/psft, contains the PeopleTools and PeopleSoft FSCM home directories, as well as Java, Tuxedo, and Oracle Database installations. The users' home directories are created under /scratch/psftuserhome

Demonstration: Install full-tier FSCM environment

```
[root ~]# cd /scratch/dpkinstall/setup  
[root ~ setup]# ./psft-dpk-setup.sh
```

```
Starting the PeopleSoft Environment Setup Process:  
Validating User Arguments: [ OK ]  
Validating PeopleSoft Supported Platform: [ OK ]  
  
Validating Oracle Central Inventory: [ OK ]  
The base directory is used to extract the PeopleSoft DPKs. It is also  
used to deploy the PeopleSoft components. This directory should be  
accessible, must have write permission and should have enough free space.  
Enter the full path for the PeopleSoft Base Directory: /scratch/psft  
Are you happy with your answer? [Y|n|q]: y  
Installing PSFT Relocatable Puppet Software in the base directory: [ OK ]  
Installing eYAML Hiera Backend on this host: [ OK ]  
Checking if PeopleSoft DPKs are Present: [ OK ]  
Checking if the Base Directory has Enough Free Space: [ OK ]  
  
Enter a directory on the Linux Host that is writable [/home]: /scratch/psftuserhome
```

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We are using PuTTY to access a Linux VM. We saved the 11 DPKs for FSCM Update Image 41 in /scratch/dpkinstall.

Running as the root user, we unzip FSCM-920-UPD-041-LNX_1of11.zip, to get the setup directory and the DPK setup script.

Change directory to /scratch/dpkinstall/setup, and enter ./psft-dpk-setup.sh, to run the DPK setup script with no options for a full-tier deployment.

Specify the full path for the base directory, /scratch/psft, and the users home directory, /scratch/psftuserhome.

After replying to the script prompts, we answer y (yes) to indicate that we want to do the default initialization.

Check Java and WebLogic Versions



When the deployment is complete, we open another PuTTY session to check the initial software versions.

Demonstration: Check Java Version

```
[root - ~]# cd /scratch/psft/pt/jdk/bin
[root - bin]# ./java -version
java version "11.0.11" 2021-04-20 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.11+9-LTS-194)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.11+9-LTS-194, mixed mode)
[root - bin]# cd /scratch/psft/pt/ps_home8.59.03/jre/bin
[root - bin]# ./java -version
java version "11.0.11" 2021-04-20 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.11+9-LTS-194)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.11+9-LTS-194, mixed mode)
[root - bin]#
```

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As the root user check the Java versions, first under the base directory, and then under PS_HOME.

Change directory to /scratch/psft/pt/jdk/bin and type ./java -version.

Change directory to /scratch/psft/pt/ps_home8.59.03/jre/bin

Type ./java -version.

In both cases, the version is Java 11.0.11 2021-04-20

Demonstration: Check Oracle WebLogic Version

```
[root ~]# su - psadm2
Last login: Mon Sep 13 13:58:00 PDT 2021 on pts/2
[psadm2@ ~]$ export ORACLE_HOME=/scratch/psft/pt/bea
[psadm2@ ~]$ cd /scratch/psft/pt/bea/OPatch
[psadm2@ ~]$ opatch lsinventory -jdk /scratch/psft/pt/jdk
```

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Use the opatch lsinventory command to get information about the WebLogic patches.

Change to the psadm2 user with su – psadm2.

To set the ORACLE_HOME environment variable for this session, enter export ORACLE_HOME=/scratch/psft/pt/bea

Change directory to /scratch/psft/pt/bea/OPatch

Enter opatch lsinventory -jdk /scratch/psft/pt/jdk.

Repeat the command, and add

> /scratch/tempfscm/weblogic_initial.txt to save the output in a text file for comparison after using the PT-INFRA DPKs.

Compare ptinfra-manifest and pt-manifest



We also want the pt-manifest file to compare with that from the PT-INFRA DPKs.

Demonstration: Compare ptinfra-manifest and pt-manifest

```
archives PT-DPK-LNX-8.59.03-1of2.zip pt-man
[root - tempfscm]# more pt-manifest
type=tools
platform=Linux
version=8.59.03
oracleclient_version=19.3.0.0 Apr2021 CPU
jdk_version=11.0.11 Apr2021 CPU
weblogic_version=14.1.1.0 Apr2021 CPU
tuxedo_version=12.2.2.0.0 RP071
[root - tempfscm]#
```

```
[root - tempptinfra]# more ptinfra-manifest
type=tools-infra
platform=Linux
tools_version=8.59
min_tools_version=8.59.03
oracleclient_version=19.3.0.0 Apr2021 CPU
jdk_version=11.0.12 Jul2021 CPU
weblogic_version=14.1.1.0 Jul2021 CPU
tuxedo_version=12.2.2.0.0 RP071
[root - tempptinfra]#
```

pt-manifest from FSCM image

ptinfra-manifest from PT-INFRA DPK

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The pt-manifest file is in the first PeopleTools DPK zip file, which is the second zip file of the image. Copy the zip file to a temporary directory and extract to view pt-manifest.

From the dpkinstall directory, copy PT-DPK-LNX-8.59.03-1of2.zip to /scratch/tempfscm

Change directory to tempfscm, and unzip the file.

Use the command more pt-manifest to see the contents.

To check the manifest provided with the PT-INFRA DPKs, we saved the first PT-INFRA DPK in a temporary directory, /scratch/tempptinfra.

Unzip PT-INFRA-DPK-LNX-8.59-210723_1of2.zip and type more ptinfra-manifest.

Looking at the two manifests, the PT-INFRA has a later version of JDK, 11.0.12 July 2021 CPU, compared to that in the FSCM image, 11.0.11 April 2021 CPU.

The WebLogic version in the PT-INFRA DPK is 14.1.1.0 July 2021 CPU, which is later than the April 2021 CPU in the FSCM image pt-manifest.

This means that we can include the PT-INFRA DPKs with our DPK set for the image and run the script to apply the CPUs for JDK and Oracle WebLogic.

The tools_version for the image is 8.59.03, which satisfies the minimum tools

version (min_tools_version) in the ptinfra-manifest.

Apply CPUs on the Environment



Now run the script to apply the available CPUs.

Demonstration: Apply CPUs on the Environment

```
[root ~ setup]# cd ..
[root ~ dpkinstall]# ls
APP-DPK-LNX-FSCM92-8.59.03-1of3.zip  ODS-DPK-LNX-19.3.0.0-210826-1of1.zip  PT-DPK-LNX-8.59.03-2of2.zip
APP-DPK-LNX-FSCM92-8.59.03-2of3.zip  PTC-DPK-WIN8.57.22-1of1.zip           PT-INFRA-DPK-LNX-8.59-210723_1of2.zip
APP-DPK-LNX-FSCM92-8.59.03-3of3.zip  PTC-DPK-WIN8.58.13-1of1.zip           PT-INFRA-DPK-LNX-8.59-210723_2of2.zip
FSCM-920-UPD-041-LNX-1of11.zip       PTC-DPK-WIN8.59.03-1of1.zip           readme.txt
ODC-DPK-WIN-19.3.0.0-210826-1of1.zip  PT-DPK-LNX-8.59.03-1of2.zip           setup
[root ~ dpkinstall]# cd setup
[root ~ setup]# ./psft-dpk-setup.sh --apply_infra_cpu --psft_base_dir /scratch/psft
```

```
Starting the PeopleSoft PeopleTools INFRA DPK process to apply
Critical Patch Updates (CPUs) on the PeopleSoft Environment:

Validating User Arguments:

Validating PeopleSoft Supported Platform: [ OK ]
Verifying if PeopleSoft Relocatable Puppet Software is installed: [ OK ]
Checking if PeopleSoft DPKs are Present: [ OK ]
Checking if the Base Directory has Enough Free Space: [ OK ]

Checking if User Home Directory /scratch/psftuserhome is Writable: [ OK ]

Validating the PeopleSoft PeopleTools INFRA DPK: [ OK ]
Extracting the PeopleSoft PeopleTools INFRA DPK: [ OK ]

Setting up System Settings: [ OK ]
Checking and Stopping PeopleSoft Services [ OK ]
Stopping PeopleSoft Domains: [ OK ]
Applying CPUs from the PeopleSoft PeopleTools INFRA DPK: [ OK ]
Checking and Starting PeopleSoft Services [ OK ]
Starting PeopleSoft Domains: [ OK ]

Ending the PeopleSoft PeopleTools INFRA DPK CPU application.

[root ~ setup]#
```

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We copied the two PT-INFRA DPK zip files into the /scratch/dpkinstall directory with the FSCM DPKs.

Go to the setup directory, and run the DPK setup script with options to apply the CPUs from the PT-INFRA DPK.

Run `./psft-dpk-setup.sh --apply_infra_cpu --psft_base_dir /scratch/psft`

The script prints progress messages as it runs a series of validations.

It stops the PeopleSoft Services and domains. Then it applies the CPUs from the PT-INFRA DPK.

It checks and starts the PeopleSoft services and domains.

Then exits and returns to the command prompt.

Verify Results

Java and WebLogic Versions, psft_patches.yaml, and Domain Status



To confirm that the script applied the CPUs for Java and WebLogic, run the verification checks again.

Demonstration: Verify Results for Java

```
[root ~]# cd /scratch/psft/pt/jdk/bin
[root ~ bin]# ./java -version
java version "11.0.12" 2021-07-20 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.12+8-LTS-237)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.12+8-LTS-237, mixed mode)
[root ~ bin]# cd /scratch/psft/pt/ps_home8.59.03/jre/bin
[root ~ bin]# ./java -version
java version "11.0.12" 2021-07-20 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.12+8-LTS-237)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.12+8-LTS-237, mixed mode)
[root ~ bin]#
```

Initial version 11.0.11 2021-04-20

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For Java, change directory to /scratch/psft/pt/jdk/bin and enter ./java -version. Then change directory to /scratch/psft/pt/ps_home8.59.03/jre/bin and enter the same command.

The Java versions have been updated from 11.0.11 to 11.0.12 2021-07-20.

Demonstration: Verify Results for Oracle WebLogic

Interim patches (2) :

```
Patch 33069656 : applied on Mon Sep 13 16:20:39 PDT 2021
Unique Patch ID: 24314582
Patch description: "WLS PATCH SET UPDATE 14.1.1.0.210701"
Created on 14 Jul 2021, 02:19:50 hrs PST8PDT
Bugs fixed:
31567049, 31047981, 32832099, 32528774, 32639821, 31157988, 30885128
32520971, 30885114, 30961904, 32054481, 30652362, 31160218, 30912052
32248716, 32371861, 32226530, 32228228, 31539237, 31995447, 32415913
31492196, 31353368, 31401659, 32883876, 31332368, 31380363, 32069620
31950565, 32235872, 32920991, 31498405, 32312961, 31142740, 32307656
31113242, 32100759, 30285053, 31770512, 32235275, 31232471, 31765567
31483821, 31011293, 32068710, 30964331, 29449188, 31525147, 31234573
31184158, 31247235, 31526201, 32064362, 32099344, 31234666, 32651810
31671559, 32697451, 32472196, 32959192, 32868847, 32244262, 31332264
32133880, 31913015, 32097062, 31657139, 31199699, 32503912, 30284059
30838007, 31316252, 32408938, 31742292, 31441174, 32497814, 31564423
30965440, 31765550, 31510290, 32214441, 32373306, 32425607, 30927469
31975788

Patch 32973306 : applied on Mon Sep 13 16:19:23 PDT 2021
Unique Patch ID: 24279607
Patch description: "Bundle patch for Oracle Coherence Version 14.1.1.0.6"
Created on 25 Jun 2021, 14:01:34 hrs PST8PDT
Bugs fixed:
31201347, 31214284, 31806281, 31944953, 32124447, 32341371, 32581868
32816973, 32973306
```

weblogic_final.txt

Interim patches (2) :

```
Patch 32581868 : applied on Thu Aug 26 14:45:06 PDT 2021
Unique Patch ID: 24146453
Patch description: "Bundle patch for Oracle Coherence Version 14.1.1.0.4"
Created on 31 Mar 2021, 12:43:46 hrs PST8PDT
Bugs fixed:
31201347, 31214284, 31806281, 31944953, 32124447, 32341371, 32581868

Patch 32697788 : applied on Thu Aug 26 14:44:53 PDT 2021
Unique Patch ID: 24150631
Patch description: "WLS PATCH SET UPDATE 14.1.1.0.210329"
Created on 9 Apr 2021, 09:06:55 hrs PST8PDT
Bugs fixed:
30927469, 32248716, 31671559, 32097062, 31316252, 30885114, 31332264
32100759, 31483821, 31950565, 31975788, 31526201, 32425607, 32069620
32214441, 30838007, 31492196, 31160218, 31234666, 30961904, 32307656
32228228, 30652362, 32415913, 31157988, 31657139, 30285053, 32373306
31247235, 32068710, 31765567, 32528774, 31913015, 31539237, 31765550
31770512, 31232471, 31401659, 31510290, 31142740, 31380363, 32244262
31564423, 32312961, 31353368, 30964331, 31047981, 32235275, 31498405
31234573, 29449188, 32472196, 32371861, 31113242, 31441174, 31332368
31567049, 31011293, 30885128, 32054481, 30284059
```

weblogic_initial.txt



Change to the psadm2 user and repeat the steps for Oracle WebLogic.

export ORACLE_HOME=/scratch/psft/pt/bea

Change directory to /scratch/psft/pt/bea/OPatch.

Enter opatch lsinventory -jdk /scratch/psft/pt/jdk.

And repeat the command to save the output in a text file.

The initial and final outputs show that the WebLogic has been updated with later patches.

The final output on the left has WLS Patch Set Update 14.1.1.0 210701, Created on 14 Jul 2021.

The initial output, on the right has WLS Patch Set Update 14.1.1.0 210329, Created on 9 April 2021.

```

Oracle Home       : /scratch/psft/pt/bea
Central Inventory : /scratch/psft/db/oraInventory
                  from   : /scratch/psft/pt/bea/orainst.loc
OPatch version    : 13.9.4.2.6
OUI version       : 13.9.4.0.0

Interim patches (2) :
Patch 33069656      : applied on Mon Sep 13 16:20:39 PDT 2
Unique Patch ID: 24314582
Patch description: "WLS PATCH SET UPDATE 14.1.1.0.210701"
Created on 14 Jul 2021, 02:19:50 hrs PST8PDT
Bugs fixed:
31567049, 31047981, 32832099, 32528774, 32639821, 311
32520971, 30885114, 30961904, 32054481, 30652362, 311
32248716, 32371861, 32226530, 32228228, 31539237, 319
31492196, 31353368, 31401659, 32883876, 31332368, 313
31950565, 32235872, 32920991, 31498405, 32312961, 311
31113242, 32108759, 30285053, 31770512, 32235275, 312
31483821, 31011293, 32068710, 30964331, 29449188, 315
31184158, 31247235, 31526201, 32064362, 32099344, 312
31671559, 32697451, 32472196, 32959192, 32868847, 322
32133880, 31913015, 32097062, 31657139, 31199699, 325
30838007, 31316252, 32408938, 31742292, 31441174, 324
30965440, 31765550, 31510290, 32214441, 32373306, 324
31975788

Patch 32973306      : applied on Mon Sep 13 16:19:23 PDT 2
Unique Patch ID: 24279607
Patch description: "Bundle patch for Oracle Coherence Ver
Created on 25 Jun 2021, 14:01:34 hrs PST8PDT
Bugs fixed:
31201347, 31214284, 31806281, 31944953, 32124447, 32341371, 32581868
32816973, 32973306

```

3.3.45.1 Oracle WebLogic Server 14.1.1.0
All of the patches listed in the table below should be applied to an Oracle WebLogic Server 14.1.1.0 installa

Product Home	Patch
	Java SE 8 Update 301 Patch 18143322 or later for Linux, Windows, and Solaris. or Java SE 11.0.12 Patch 27838191 or later for Linux, Windows, and Solaris.
Oracle WebLogic Server 14.1.1.0	Download and apply the SPB patch: WLS STACK PATCH BUNDLE 14.1.1.0.210716 Patch 33125254 or later OR download and apply the individual patches below: OPatch 13.9.4.2.6 Patch 28186730 or later WLS PATCH SET UPDATE 14.1.1.0.210701 Patch 33069656 or later Coherence 14.1.1.0 Cumulative Patch 6 Patch 32973306 or later

You can also compare the output with the My Oracle Support document that lists the critical patch updates for Fusion Middleware and other Oracle products. We are using the July 2021 Patch Availability Document. You can find later patch availability documents by searching in My Oracle Support.

To find the WebLogic updates, select the link for Oracle Fusion Middleware, Oracle WebLogic Server, and then locate the patches for Oracle WebLogic Server 14.1.1.0. Both the output from our installation and the PAD document list the same WLS Patch set Update 33069656. The OPatch version in both is 13.9.4.2.6.

Demonstration: Review psft_patches.yaml

```
[root - bin]# cd /scratch/tempptinfra
[root - tempptinfra]# ls
archives  cpu_archives  psft_patches.yaml  PT-INFRA-DPK-LNX-8.59-210723_1of2.zip  ptinfra-manifest  readme.txt
[root - tempptinfra]# more psft_patches.yaml
---
jdk_patches:
  patch1: '%{hiera("peoplesoft_base")}/dpk/cpu_archives/jdk_patches/pt-jdk-11.0.12.tgz'
jdk_patches_version:
  patch1: '11.0.12'
weblogic_opatch_patches:
  patch1: '%{hiera("peoplesoft_base")}/dpk/cpu_archives/weblogic_opatch_patches/p28186730_139426_Generic.zip'
weblogic_patches:
  patch1: '%{hiera("peoplesoft_base")}/dpk/cpu_archives/weblogic_patches/p32973306_141100_Generic.zip'
  patch2: '%{hiera("peoplesoft_base")}/dpk/cpu_archives/weblogic_patches/p33069656_141100_Generic.zip'
weblogic_patches_version:
  patch1: '32973306'
  patch2: '33069656'
[root - tempptinfra]#
```

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Another source of information is psft_patches.yaml, which is packaged with the PT-INFRA DPKs.

Change to /scratch/tempptinfra and type more psft_patches.yaml.

The file lists the names and relative paths of the archives for Java, WebLogic, and OPatch, and the patch numbers.

The java version here, 11.0.12, matches the output from the java -version command.

The WebLogic patch numbers, 32973306 and 33069656, match the output from the opatch command.

Demonstration: Verify statuses of domains with PSADMIN

```
[psadm2@s: OPatch]$ cd
[psadm2@s: ~]$ psadmin

PSADMIN -- PeopleTools Release: 8.59.03
Copyright (c) 1996, 2021, Oracle and/or its affiliates.

-----
PeopleSoft Server Administration
-----

PS_CFG_HOME           /scratch/psftuserhome/psadm2/psft/pt/8.59
PS_HOME               /scratch/psft/pt/ps_home8.59.03
PS_APP_HOME           /scratch/psft/pt/fscm_app_home

1) Application Server
2) Process Scheduler
3) Web (PIA) Server
4) Switch Config Home
5) Replicate Config Home
6) Refresh Config Home
q) Quit

Command to execute (1-6, q): █
```

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Change to the psadm2 user and run PSADMIN to verify that the PeopleSoft domains are up and running after using the PT-INFRA DPKs.

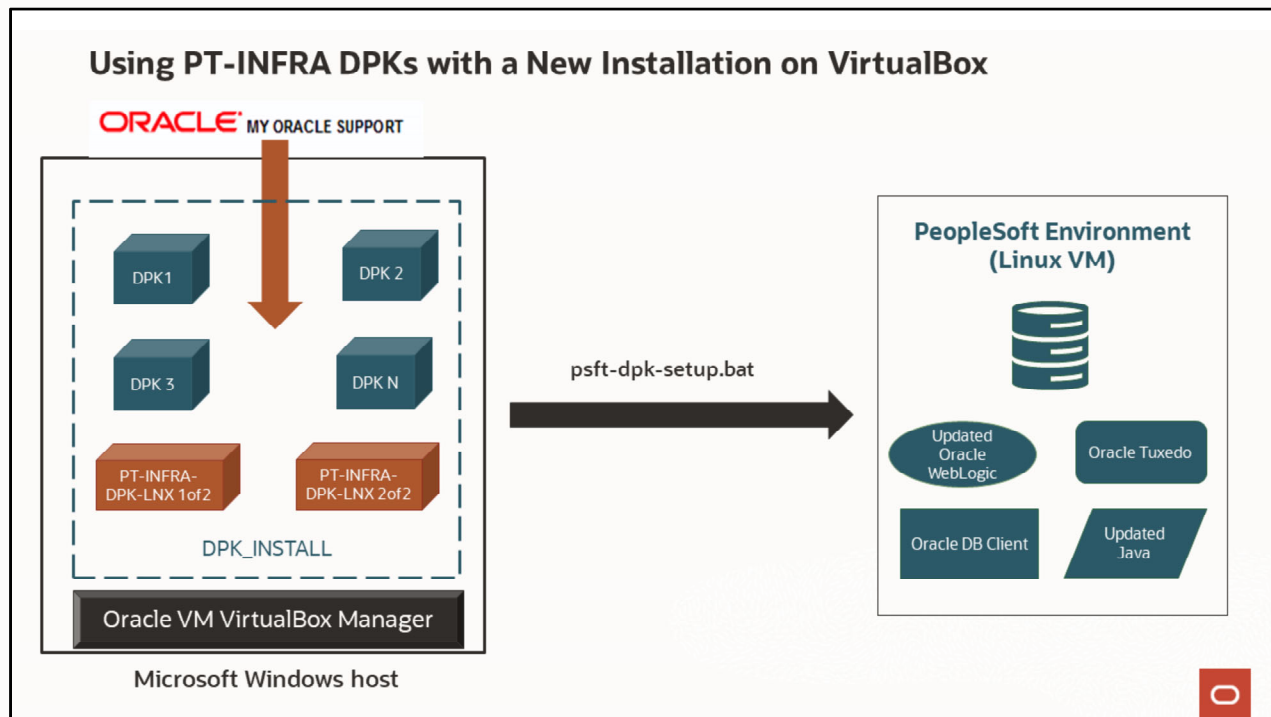
The application server processes are running, the web server domain is started, and the Process Scheduler server processes are running.

Using PT-INFRA DPKs with a New Installation on VirtualBox

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This demonstration includes the PT-INFRA DPKs with a new full-tier FSCM environment on VirtualBox.

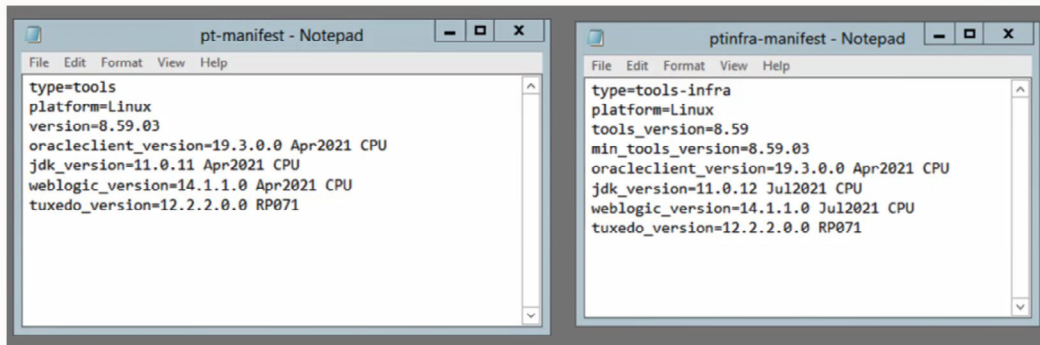


You carry out the VirtualBox deployment on a Microsoft Windows host where you have installed VirtualBox Manager.

The deployment sets up the PeopleSoft environment on a Linux virtual machine, so download the Linux version of the PT-INFRA DPKs from My Oracle Support.

Copy the two Linux PT-INFRA DPKs into the same directory as the PeopleSoft application image DPKs on the Windows computer with the VirtualBox installation. When you run the DPK setup script, it uses the updated components from the PT-INFRA DPKs for deployment. In this case that includes the Oracle WebLogic and Java components.

Demonstration: Compare pt-manifest and ptinfra-manifest



The image shows two Notepad windows side-by-side. The left window is titled 'pt-manifest - Notepad' and contains the following text:

```
type=tools
platform=Linux
version=8.59.03
oracleclient_version=19.3.0.0 Apr2021 CPU
jdk_version=11.0.11 Apr2021 CPU
weblogic_version=14.1.1.0 Apr2021 CPU
tuxedo_version=12.2.2.0.0 RP071
```

The right window is titled 'ptinfra-manifest - Notepad' and contains the following text:

```
type=tools-infra
platform=Linux
tools_version=8.59
min_tools_version=8.59.03
oracleclient_version=19.3.0.0 Apr2021 CPU
jdk_version=11.0.12 Jul2021 CPU
weblogic_version=14.1.1.0 Jul2021 CPU
tuxedo_version=12.2.2.0.0 RP071
```

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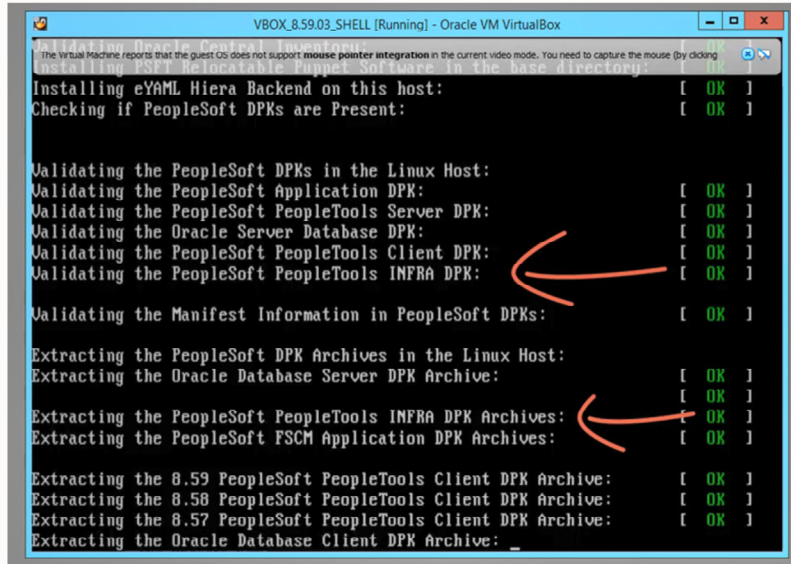
We downloaded the 12 DPKs for the FSCM image. We are running on a Windows machine where we installed Oracle VirtualBox, and these DPKs are the VirtualBox format, FSCM-920-UPD-041-OVA.

We also downloaded both the Linux and Windows versions of the PT-INFRA DPKs.

We extracted the manifest for the PT-INFRA DPK from the first zip file, and the manifest for the FSCM image from the second zip file.

As in the previous demonstration, the WebLogic and JDK versions are different, and our DPKs satisfy the minimum PeopleTools requirement.

Demonstration: Install Environment on VirtualBox with PT-INFRA DPK



```
VBOX_8.59.03_SHELL [Running] - Oracle VM VirtualBox
The Virtual Machine reports that the guest OS does not support mouse pointer integration in the current video mode. You need to capture the mouse (by clicking
Installing PSFT Relocatable Puppet Software in the base directory: [ OK ]
Installing eYAML Hierarchical Backend on this host: [ OK ]
Checking if PeopleSoft DPKs are Present: [ OK ]

Validating the PeopleSoft DPKs in the Linux Host:
Validating the PeopleSoft Application DPK: [ OK ]
Validating the PeopleSoft PeopleTools Server DPK: [ OK ]
Validating the Oracle Server Database DPK: [ OK ]
Validating the PeopleSoft PeopleTools Client DPK: [ OK ]
Validating the PeopleSoft PeopleTools INFRA DPK: [ OK ]
Validating the Manifest Information in PeopleSoft DPKs: [ OK ]

Extracting the PeopleSoft DPK Archives in the Linux Host:
Extracting the Oracle Database Server DPK Archive: [ OK ]
Extracting the PeopleSoft PeopleTools INFRA DPK Archives: [ OK ]
Extracting the PeopleSoft FSCM Application DPK Archives: [ OK ]

Extracting the 8.59 PeopleSoft PeopleTools Client DPK Archive: [ OK ]
Extracting the 8.58 PeopleSoft PeopleTools Client DPK Archive: [ OK ]
Extracting the 8.57 PeopleSoft PeopleTools Client DPK Archive: [ OK ]
Extracting the Oracle Database Client DPK Archive: _
```

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Copy the two PT-INFRA DPKs for Linux into the DPK_INSTALL directory with the zip files for the image.

Use an extraction utility to extract the files from the first zip file of the FSCM image. Open a command prompt with Run as Administrator, and go to the DPK_INSTALL\setup directory.

Run psft-dpk-setup.bat with no options to do a full-tier deployment.

The script brings up the VirtualBox Manager and a console window for the Linux VM..

As it runs in the VM, the script messages show the PT-INFRA DPK's validation and extraction.

After answering the script prompts, the script completes the deployment. Sign in to check the versions in the VM console window.

Demonstration: Verify Java Versions

```
VBOX_8.59.03_SHELL [Running] - Oracle VM VirtualBox
[root ~]# cd /opt/oracle/psft/pt/jdk/bin
[root - bin]# java -version
java version "11.0.12" 2021-07-20 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.12+8-LTS-237)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.12+8-LTS-237, mixed mode)
[root - bin]# cd /opt/oracle/psft/pt/ps_home8.59.03/jre/bin
[root - bin]# ./java -version
java version "11.0.12" 2021-07-20 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.12+8-LTS-237)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.12+8-LTS-237, mixed mode)
[root - bin]#
```

Initial Java 11.0.11 2021-04-20 LTS

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Change location to `/opt/oracle/psft/pt/jdk/bin`, and type `./java -version`.
Change to `/opt/oracle/psft/pt/ps_home8.59.03/jre/bin` and enter the same command.
When we compared the manifests, we mentioned that the Java would be updated.
The initial version was java 11.0.11 2021-04-20 LTS.
As expected, Java has been updated to a later version, Java 11.0.12 2021-07-20 LTS.

```

Oracle Interim Patch Installer version 13.9.4.2.6
Copyright (c) 2021, Oracle Corporation. All rights reserved.

Oracle Home      : /opt/oracle/psft/pt/bea
Central Inventory : /opt/oracle/psft/db/oraInventory
   from           : /opt/oracle/psft/pt/bea/oraInst.loc
OPatch version    : 13.9.4.2.6
OUI version       : 13.9.4.0.0
Log file location : /opt/oracle/psft/pt/bea/cfgtoollogs/patch/patch2021-11-05_21-23-22PM_1.log

OPatch detects the Middleware Home as "/opt/oracle/psft/pt/bea"

lsinventory Output file location :
/opt/oracle/psft/pt/bea/cfgtoollogs/patch/lsinv/lsinventory2021-11-05_21-23-22PM.txt

-----
Interim patches (2) :

Patch 33069656      : applied on Fri Jul 23 07:27:49 UTC 2021
Unique Patch ID: 24314582
Patch description: "WLS PATCH SET UPDATE 14.1.1.0.210701"
   Created on 14 Jul 2021, 02:19:50 hrs PST8PDT
   Bugs fixed:
     31567849, 31847981, 32832090, 32528774, 32639821, 31157988, 30885128
     32520971, 30885114, 30961904, 32054481, 30652362, 31160218, 30912052
     32248716, 32371861, 32226530, 32228228, 31539237, 31995447, 32415913
     31492196, 31353368, 31401659, 32883876, 31332368, 31380363, 32069620
     31950565, 32235872, 32920991, 31498405, 32312961, 31142740, 32307656
     31113242, 32108759, 30285053, 31770512, 32235275, 31232471, 31765567
     31483821, 31011293, 32068710, 30964331, 29449188, 31525147, 31234573
     31184158, 31247235, 31526201, 32064362, 32099344, 31234666, 32651810
     31671559, 32697451, 32472196, 32959192, 32868047, 32244262, 31332264
     32133880, 31913015, 32097062, 31657139, 31190690, 32503912, 30284059
     30838007, 31316252, 32408938, 31742292, 31441174, 32497814, 31564423
     30965440, 31765550, 31510290, 32214441, 32373306, 32425607, 30927469
     31975788

Patch 32973306      : applied on Fri Jul 23 07:27:03 UTC 2021
Unique Patch ID: 24279607
Patch description: "Bundle patch for Oracle Coherence Version 14.1.1.0.6"
   Created on 25 Jun 2021, 14:01:34 hrs PST8PDT
   Bugs fixed:
     31201347, 31214284, 31806281, 31944953, 32124447, 32341371, 32581868
     32816973, 32973306

-----
OPatch succeeded.

```

Demonstration: Verify Oracle WebLogic Version

3.3.45.1 Oracle WebLogic Server 14.1.1.0

All of the patches listed in the table below should be applied to an Oracle WebLogic Server 14.1.1.0 installa

Product Home	Patch
	Java SE 8 Update 301 Patch 18143322 or later for Linux, Windows, and Solaris.
	or
	Java SE 11.0.12 Patch 27838191 or later for Linux, Windows, and Solaris.
Oracle WebLogic Server 14.1.1.0	Download and apply the SPB patch: WLS STACK PATCH BUNDLE 14.1.1.0.210716 Patch 33125254 or later OR download and apply the individual patches below: OPatch 13.9.4.2.6 Patch 28186730 or later WLS PATCH SET UPDATE 14.1.1.0.210701 Patch 33069656 or later
	Coherence 14.1.1.0 Cumulative Patch 6 Patch 32973306 or later

Change to the psadm2 user and use the opatch command again to check Oracle WebLogic.

Set the environment variable with `export ORACLE_HOME=/opt/oracle/psft/pt/bea`
Change directory to `/opt/oracle/psft/pt/bea/OPatch`.
Enter `opatch lsinventory -jdk /opt/oracle/psft/pt/jdk`.

We also saved the output in a text file.

The OPatch version is 13.9.4.2.6 and the WLS Patch Set Update is 14.1.1.0 210701, Created on 14 Jul 2021.

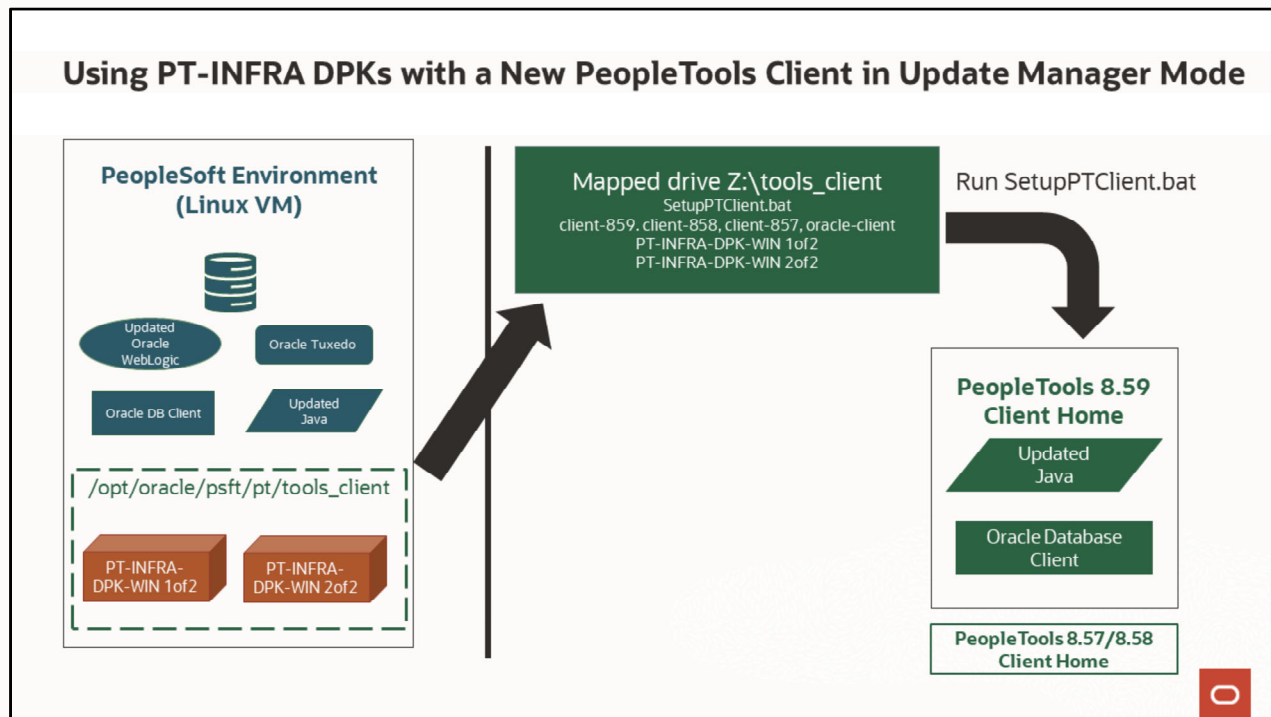
As in the previous demonstration, the OPatch and WLS patch versions match those on the July 2021 Patch Availability Document..

Using PT-INFRA DPKs with a New PeopleTools Client in Update Manager Mode

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This demonstration uses the PT-INFRA DPKs with a new PeopleTools Client installation in Update Manager mode.



The installation on VirtualBox sets up the `/opt/oracle/psft/pt/tools_client` directory, which includes PeopleTools Client files for the three most recent releases. This is a Samba shared drive directory, which you can access from a supported Windows host. Download the Windows version of the PT-INFRA DPKs, and as a root user, copy them into the `tools_client` directory on the VirtualBox VM. Then go to the Windows host where you want to install the PeopleTools Client, and map a drive to the `tools_client` directory. The mapped drive includes the setup script, PeopleTools and Oracle 19c client directories, and the Windows version of the PT-INFRA DPKs.

Run the setup script to install the PeopleTools Client in Update Manager mode for use in applying PUM maintenance.

The script installs the PeopleTools Client for 8.59, incorporating the updated versions of Java JDK and Oracle Database Client, when available, from the PT-INFRA DPK. Only the Java CPU is applied in this demonstration, because the July 2021 version of the PT-INFRA DPKs does not include the CPU for the Oracle 19c Database Client.

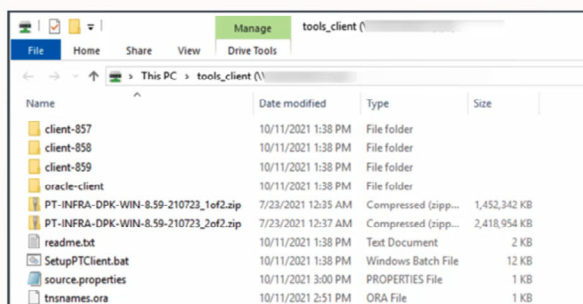
The script also installs the client for your 8.57 or 8.58 target environment.

Demonstration: tools_client on Linux VM and Windows Host

```
VBOX_8.59.03_SHELL [Running] - Oracle VM VirtualBox
[root - ~]# cd /opt/oracle/psft/pt/tools_client
[root - tools_client]# ls --color=never
client-857 PT-INFRA-DPK-WIN-8.59-210723_1of2.zip source.properties
client-858 PT-INFRA-DPK-WIN-8.59-210723_2of2.zip tnsnames.ora
client-859 readme.txt
oracle-client SetupPTClient.bat
[root - tools_client]#
```

Linux VM

Windows host



Name	Date modified	Type	Size
client-857	10/11/2021 1:38 PM	File folder	
client-858	10/11/2021 1:38 PM	File folder	
client-859	10/11/2021 1:38 PM	File folder	
oracle-client	10/11/2021 1:38 PM	File folder	
PT-INFRA-DPK-WIN-8.59-210723_1of2.zip	7/23/2021 12:35 AM	Compressed (zipp...	1,452,342 KB
PT-INFRA-DPK-WIN-8.59-210723_2of2.zip	7/23/2021 12:37 AM	Compressed (zipp...	2,418,954 KB
readme.txt	10/11/2021 1:38 PM	Text Document	2 KB
SetupPTClient.bat	10/11/2021 1:38 PM	Windows Batch File	12 KB
source.properties	10/11/2021 3:00 PM	PROPERTIES File	1 KB
tnsnames.ora	10/11/2021 2:51 PM	ORA File	1 KB

Log in to the PeopleSoft environment in the VM console, and change directory to /opt/oracle/psft/pt/tools_client. This directory is set up as a Samba shared drive. Use the command `ls --color=never` to list the contents in white for better contrast. It includes client directories for 857, 858, and 859, source.properties, readme.txt, and tnsnames.ora.

Use a method such as SCP or a program such as WinSCP to copy the two PT-INFRA-DPK-WIN- zip files into the directory. Copying the zip files into the Linux file system at this point means that they will have the correct permissions for the client installation.

Go to the Microsoft Windows computer for the PeopleTools Client installation. Map a drive, such as Z:, to the Samba shared drive folder for the tools_client directory by entering `\\IP_ADDRESS\tools_client`. The mapped drive has the two PT-INFRA DPKs for Windows in the same directory as the SetupPTClient.bat script.

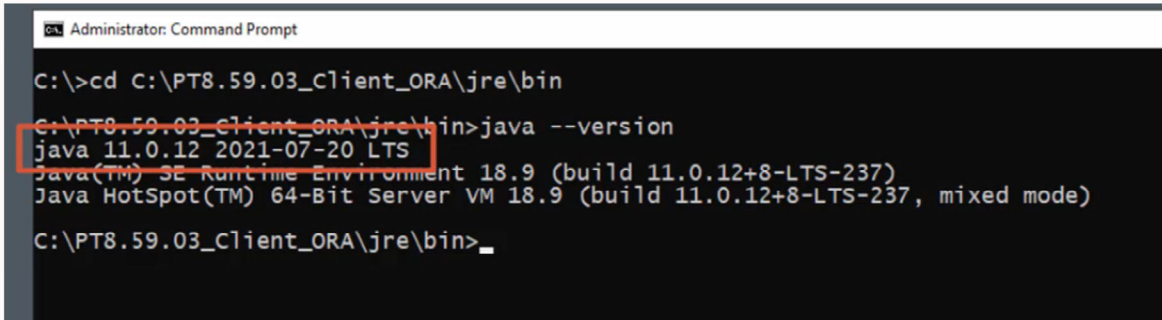
Demonstration: Run SetupPTClient.bat

```
Administrator: Command Prompt
Validating PeopleSoft PeopleTools PT-INFRA-DPK-WIN-8.59-210723_1of2.zip
Extracting PeopleSoft PeopleTools PT-INFRA-DPK-WIN-8.59-210723_1of2.zip into User temp folder
Validating PeopleSoft PeopleTools PT-INFRA-DPK-WIN-8.59-210723_2of2.zip
Extracting PeopleSoft PeopleTools PT-INFRA-DPK-WIN-8.59-210723_2of2.zip into User temp folder
Validating compatible Oracle DB Client for Target PeopleTools 8.58.13
Deploying Oracle DB Client 19.3.0.0
Launching Oracle Database Client Setup Wizard...
The response file for this session can be found at:
C:\oracle\product\19.3.0.0\client_2\install\response\client_2021-10-11_05-37-43PM.rsp
You can find the log of this install session at:
C:\Program Files\Oracle\Inventory\logs\InstallActions2021-10-11_05-37-43PM.log
PersistEnv
PersistEnv
Successfully Setup Software.
Deploying Target PeopleTools 8.58.13 Client in C:\PT8.58.13_Client_ORA
Validating compatible Oracle DB Client for Source PeopleTools 8.59.03
Deploying Source PeopleTools 8.59.03 Client in C:\PT8.59.03_Client_ORA
Installing JRE CPU from PT-INFRA-DPK to tools client home location C:\PT8.59.03_Client_ORA
Installing Change Assistant for PeopleTools 8.59.03 Client in C:\Program Files\PeopleSoft\Change Assistant
Deployment of PeopleTools Clients and installation of Change Assistant Complete.
Please launch Change Assistant to complete and validate your Source and Target environment setup.
Tools Client Deployment Ended.
***** SetupPTClient ended at 17:48:42.50 *****
Please review C:\Users\...ppData\Local\Temp\PeopleSoft\PTClientDeploy.log for additional information.
```

Open a command prompt, go to the mapped drive, and run SetupPTClient.bat. For a new installation no options are needed.
Select 8.58 as the target client.

The script validates and extracts the two PT-INFRA DPKs.
It uses the Java CPU from the PT-INFRA DPK for the PeopleTools 8.59 Client installation, which is used for the PUM source.
The script also installs Change Assistant, and one of the clients for the target.

Demonstration: Verify Java version in PeopleTools Client Installation



```
Administrator: Command Prompt
C:\>cd C:\PT8.59.03_Client_ORA\jre\bin
C:\PT8.59.03_Client_ORA\jre\bin>java --version
java 11.0.12 2021-07-20 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.12+8-LTS-237)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.12+8-LTS-237, mixed mode)
C:\PT8.59.03_Client_ORA\jre\bin>
```

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When the script ends, change directory to the client installation, C:\PT8.59.03_Client_ORA\jre\bin and type java --version.

The output demonstrates that the java version has been updated to 11.0.12 2021-04-20 LTS.

You can also apply Java and Oracle 19c Client CPUs, when available, to an existing PeopleTools client environment, as described in the documentation mentioned in the additional resources.



Additional Resources

For more information on the PeopleSoft images, PeopleTools DPKs, and using the PT-INFRA DPKs, here are some additional resources.

Additional Resources

- Companion Slides for this Spotlight Video are available from Oracle Learning Library.
- PeopleSoft Information Portal (https://docs.oracle.com/cd/E52319_01/infoportal/index.html)
- PeopleSoft on Oracle Help Center (<https://docs.oracle.com/en/applications/peoplesoft/index.html>)
- Oracle's PeopleSoft PeopleTools 8.59 Home Page, My Oracle Support, Doc ID 2753448.2
- PeopleSoft Update Manager (PUM) Home Page, My Oracle Support, Doc ID 1641843.2
- PeopleSoft PeopleTools Patches Home Page, My Oracle Support, Doc ID 2062712.2



You can download the Companion Slides, with images and notes from this video, from the Oracle Learning Library.

Go to the PeopleSoft Information Portal for all of the latest resources on Oracle PeopleSoft's products, features, and customer stories, including other spotlight videos.

The Oracle Help Center for PeopleSoft includes the most recent online help, installation and upgrade guides, and links to other PeopleSoft portals, for all PeopleSoft product lines.

The PeopleTools 8.59 home page in My Oracle Support includes links to the installation and implementation documentation for the current release.

Go to the PeopleSoft Update Manager home page for links to the latest PeopleSoft application update images, documentation, and best practices.

Go to the PeopleTools Patches home page for links to the latest PeopleSoft PeopleTools patches and documentation.

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