

PeopleSoft PeopleTools 8.63

PeopleTools Middleware DPK Builder



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Preface

Understanding the PeopleSoft Online Help and PeopleBooks

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

Hosted PeopleSoft Online Help

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

Downloadable PeopleSoft PDF Files

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

Typographical Conventions

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

Convention	Description
Monospace	Indicates a PeopleCode program or other code, such as scripts that you run during the install. Monospace is also used for messages that you may receive during the install process.

Convention	Description
<i>Italics</i>	Indicates field values, emphasis, and book-length publication titles. Italics is also used to refer to words as words or letters as letters, as in the following example: Enter the letter <i>O</i>. Italics are also used to indicate user-supplied information. For example, the term <i>domain</i> is used as a placeholder for the actual domain name in the user's environment. When two such placeholders are used together, they may be set apart with angle brackets. For example, the path <code><PS_CFG_HOME>/appserv/<domain></code> includes two placeholders that require user-supplied information.
Initial Caps	Field names, commands, and processes are represented as they appear on the window, menu, or page.
lower case	File or directory names are represented in lower case, unless they appear otherwise on the interface.
Menu, Page	A comma (,) between menu and page references indicates that the page exists on the menu. For example, "Select Use, Process Definitions" indicates that you can select the Process Definitions page from the Use menu.
Cross-references	Cross-references that begin with <i>See</i> refer you to additional documentation that will help you implement the task at hand. We highly recommend that you reference this documentation. Cross-references under the heading <i>See Also</i> refer you to additional documentation that has more information regarding the subject.
⇒ (line-continuation arrow)	A line-continuation arrow inserted at the end of a line of code indicates that the line of code has been wrapped at the page margin. The code should be viewed or entered as a continuous line of code, without the line-continuation arrow.
" " (quotation marks)	Indicate chapter titles in cross-references and words that are used differently from their intended meaning.
Note: Note text.	Text that begins with <i>Note</i> . indicates information that you should pay particular attention to as you work with your PeopleSoft system.
Important: Important note text.	A note that begins with <i>Important!</i> is crucial and includes information about what you need to do for the system to function properly.

Convention	Description
Warning text.	A note that begins with <i>Warning!</i> contains critical configuration information or implementation considerations; for example, if there is a chance of losing or corrupting data. Pay close attention to warning messages.

Products

This documentation may refer to these products and product families:

- Oracle® Enterprise Manager
- Oracle® Tuxedo
- Oracle® WebLogic Server
- Oracle's PeopleSoft Application Designer
- Oracle's PeopleSoft Change Assistant
- Oracle's PeopleSoft Change Impact Analyzer
- Oracle's PeopleSoft Data Mover
- Oracle's PeopleSoft Process Scheduler
- Oracle's PeopleSoft Pure Internet Architecture
- Oracle's PeopleSoft Customer Relationship Management
- Oracle's PeopleSoft Enterprise Learning Management
- Oracle's PeopleSoft Enterprise Performance Management
- Oracle's PeopleSoft Financial Management
- Oracle's PeopleSoft Human Capital Management
- Oracle's PeopleSoft Interaction Hub
- Oracle's PeopleSoft Pay/Bill Management
- Oracle's PeopleSoft PeopleTools
- Oracle's PeopleSoft Staffing Front Office
- Oracle's PeopleSoft Supply Chain Management

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

Related Information

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

- PeopleSoft on the Oracle Help Center

You can access PeopleSoft Online Help, or download the PeopleBooks PDFs, from the PeopleSoft page in the Oracle Help Center. Select PeopleTools or your PeopleSoft application from the navigation list on the left. On the page for the selected product

application, select the PeopleTools release or image number at the top and go to the Online Help and PeopleBooks section.

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

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

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

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

- PeopleSoft Application Fundamentals for your PeopleSoft Application and release

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

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

- Installation guides

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

- My Oracle Support

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

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

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

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

Comments and Suggestions

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

PSOFT-Infodev_US@oracle.com

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

1

Preparing to Use the PeopleTools Middleware DPK Builder Tool

Understanding the PeopleTools Middleware DPK Builder Tool

Overview

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

After using the PeopleTools Middleware DPK Builder tool to generate the Middleware DPK (PT-MW-DPK-<OS>-<REL>-<DATE>.zip, shortened in this document to PT-MW-DPK), use the generated DPK to apply CPUs on an existing PeopleSoft PeopleTools environment.

The process to apply CPUs is similar to that used in previous releases for the PT-INFRA DPK. One change to note is that the Middleware DPK that you generate cannot be used for new installations. It can only be used to apply CPUs on existing PeopleSoft environments.

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

The Middleware DPK Builder tool was released with PeopleTools 8.63, however, it can be used also with PeopleTools 8.61 and PeopleTools 8.62. The PeopleTools 8.63 documentation for the Middleware DPK Builder tool applies also to its usage with PeopleTools 8.61 and PeopleTools 8.62. Customers on PeopleTools 8.61.23 or lower or PeopleTools 8.62.13 or lower, must apply the Middleware DPK Builder Enablement Patch to take advantage of the Middleware DPK Builder.

To download the patch:

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

After applying the patch, use the Middleware DPK Builder documentation for reference and usage.

Note

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

Reviewing Features and Usage

Here is an overview of the PeopleTools Middleware DPK Builder features and usage:

- Availability

The PeopleTools Middleware DPK Builder tool is delivered with PeopleTools patches in a zip file. You can find the PeopleTools Middleware DPK Builder tool in *PS_HOME/setup/PsMWDPKBuilder* after installing the current release of PeopleTools.

The PeopleTools Middleware DPK Builder tool zip file is also made available in My Oracle Support for each major PeopleTools release.

- Naming convention and contents

The tool is delivered in a zip file with the naming convention *PTMWDB-<REL>.zip*, where REL is the major PeopleSoft PeopleTools release; for example, *PTMWDB-8.63.zip*. The zip file includes the following files:

- *PTMWDB-<REL>-<DATE>.zip*

REL is the major PeopleTools release, and DATE is the date that the DPK was made available, in the format year-month-day-time (YYMMDDTTTTTT). For example, *PTMWDB-8.63-260718071514.zip*.

- *readme.txt* — Includes instructions in this file to use the tool.
 - *ptmwdb.sh* — Use this script when running on Linux.
 - *ptmwdb.bat* — Use this script when running on Microsoft Windows.
 - *ptmwdbmain.py* — This Python file is used by the script.

- Operating system independent

You can run the PeopleTools Middleware DPK Builder tool on either Linux or Microsoft Windows and specify the OS type for which you want to perform one of the available actions. For example, you can run *ptmsdb.sh* on Linux with the option to create a Middleware DPK to be used with a Microsoft Windows environment.

- Available actions

Use the *ptmwdb.sh/bat* scripts to perform the following actions:

- Build the Middleware DPK with CPUs for all or selective components.

You can select Oracle Java, Oracle Database Client, Tuxedo, and WebLogic.

The script creates *PT-MW-DPK-<OS>-<REL>-<DATE>.zip*, where OS is Linux or Microsoft Windows, REL is the PeopleTools major release, and DATE is the date that the DPK was made available, in the format year-month-day.

- Download CPUs only for all or selective components.
 - Generate a report only for available CPUs for all or selective components.

Prerequisites

Ensure that you fulfill these prerequisites before using the PeopleTools Middleware DPK Builder tool:

- My Oracle Support access
The PeopleTools Middleware DPK Builder tool self-updating feature requires access to My Oracle Support and an active My Oracle Support account. You should have the account ID and password.
- User permission
The user who runs the PeopleTools Middleware DPK Builder tool must have the correct permissions to execute the tool.
- Python
The PeopleTools Middleware DPK Builder tool requires Python. The readme includes instructions to source the Python from the existing PeopleTools installation.
When running the script on Linux, the script user must have read/write/execute permission to the Python directory.
- PeopleTools major release
The existing environment must be on the same PeopleTools major release as the PeopleTools Middleware DPK Builder tool.
- PeopleTools Minimum Tools (patch) release
The existing environment must be greater than or equal to the `mintoolsrelease` specified in the `ptmw-manifest` file.

2

Using the PeopleTools Middleware DPK Builder Tool

Process Overview

Here is a brief overview of the PeopleTools Middleware DPK Builder process.

1. Deploy *PS_HOME* for the current PeopleSoft PeopleTools releases, if not already deployed.
2. Copy *PS_HOME/setup/PSMWDPKBuilder/PTMWDB-<REL>.zip* to a temporary directory and extract it.
3. Run the script to generate a Middleware DPK, download CPUs only, or generate a report.
4. If you generate a Middleware DPK, follow the instructions to apply it to an existing environment.

For detailed instructions, see [Using PeopleTools Middleware DPK Builder to Build PT-MW-DPK on Linux](#) and [Using PeopleTools Middleware DPK Builder to Build PT-MW-DPK on Microsoft Windows](#).

When you run the script to generate a Middleware DPK, the generated PT-MW-DPK zip file includes:

- `cpu_archives` directory
This directory includes subdirectories with CPUs for the components that you specify when running the script. The possible archives are:
 - `jdk_patches` directory
 - `oracleclient_opatch_patches` directory
 - `oracleclient_patches` directory
 - `tuxedo_opatch_patches` directory
 - `tuxedo_patches` directory
 - `weblogic_patches` directory
- `psft_patches.yaml` — This file includes detailed patch information for the selected components.
- `ptmw-manifest` — This file lists the included software versions with the latest CPU patch number(s), along with the PeopleTools major and patch release versions.
- `readme` — This text file includes installation instructions.

Reviewing the PeopleTools Middleware DPK Builder Script Usage

Here are the requirements for using the PeopleTools Middleware DPK Builder scripts.

These scripts are located in the top level of files obtained after you extract the PTMWDB-
<REL>.zip file.

- Microsoft Windows: ptmwdb.bat
- Linux: ./ptmwdb.sh

This table describes the script parameters and options. All script parameters require double dashes (--).

Parameter	Options	Description
--os_type (Required)	Linux or Microsoft Windows	The Middleware DPK will be generated for the specified operating system.
--output_dir (Required)	Specify the full path to the directory where CPUs or DPK files will be downloaded or created.	The output directory must be created before running the script and must be empty. The user running the tool must have read/write permission to this directory.
MOS credentials (Required)	Supply your My Oracle Support user ID and password through either standard input, environment variables, or script prompts.	See the information following this table.
--get_CPU (Optional)	JV, WL, TX, OC • JV=Java • WL=WebLogic • TX=Tuxedo • OC=Oracle Database Client	Choose CPUs for all or selective components. If no value is given, it will default to ALL. Separate the CPU codes with commas.
--download_only (Optional)	None	Use this if you want to download CPUs only for the components specified for --get_CPU. This will not generate PT-MW-DPK
--preview_download (Optional)	None	Use this if you want to get the report on available CPUs for the components specified for --get_CPU. This will not download any CPUs and will not generate PT-MW-DPK.

Supplying My Oracle Support User ID and Password

The PeopleTools Middleware DPK Builder script requires input of a valid My Oracle Support (MOS) user ID and password. There are three methods for providing MOS credentials.

- Provide the MOS user ID and password in a file through standard input.
Store the MOS user ID and password in a text file. This documentation uses the sample name mos.txt for the MOS credentials file.

```
mos_user_id=<User ID>
mos_password=<password>
```

When you run the script, provide the full path to MOS credentials file via standard input using redirection or a pipe.

- Linux:


```
./ptmwdm.sh --os_type [Linux|Windows] --output_dir [output directory]
[optional parameters] < [MOS credentials file]
```
- Command prompt on Microsoft Windows:


```
ptmwdm.bat --os_type [Linux|Windows] --output_dir [output directory]
[optional parameters] < [MOS credentials file]
```
- PowerShell on Microsoft Windows:


```
Get-Content [MOS credentials file] | .\ptmwdm.bat --os_type [Linux|
Windows] --output_dir [output directory] [optional parameters]
```
- Set environment variables for the MOS user ID and password.
 - Linux:


```
export MOS_USER_ID=<User ID>
export MOS_PASSWORD=<password>
./ptmwdm.sh --os_type [Linux|Windows] --output_dir [output directory]
[optional parameters]
```
 - Command prompt on Windows:


```
set MOS_USER_ID=<User ID>
set MOS_PASSWORD=<password>
ptmwdm.bat --os_type [Linux|Windows] --output_dir [output directory]
[optional parameters]
```
 - PowerShell on Windows:


```
$env:MOS_USER_ID="<User ID>"
$env:MOS_PASSWORD="<password>"
.\ptmwdm.bat --os_type [Linux|Windows] --output_dir [output directory]
[optional parameters]
```
- Supply the MOS user ID and password in response to script prompts.

Enter MOS user ID:
Enter MOS password:

The script prompts appear only if there is no MOS credentials file, and no environment variables are set. The prompt for the password does not display characters as you type.

If the MOS credentials are supplied using more than one of these options, this table describes the expected outcome:

Standard Input	Environment Variables	Outcome
MOS user ID and MOS password in text file.	MOS user ID and MOS password set	Use MOS user ID and MOS password from standard input.

Standard Input	Environment Variables	Outcome
MOS user ID only in text file.	MOS password set	Use MOS user ID from standard input and MOS password from environment variable.
MOS password only in text file.	MOS user ID set	Use MOS password from standard input and MOS user ID from environment variable.
None	MOS user ID and MOS password set	Use MOS user ID and MOS password from environment variables
None	MOS user ID set	Use MOS user ID from environment variable and prompt for MOS password.
None	MOS password set	Use MOS password from environment variable and prompt for MOS user ID.
None	None	Prompt for MOS user ID and MOS password.

Reviewing PeopleTools Middleware DPK Builder Sample Commands

Review examples of using the PeopleTools Middleware DPK Builder script.

Before using the PeopleTools Middleware DPK Builder tool:

1. Make sure the output directory exists and is empty. If it does not exist, create it. When running the script, use the mandatory parameter `--output_dir` to specify the output directory.
2. Create the mandatory input file with the MOS credentials, or use one of the other methods to supply your user ID and password. The methods of providing MOS credentials are described in [Reviewing the PeopleTools Middleware DPK Builder Script Usage](#).

Download CPUs and Generate PT-MW-DPK

Review sample commands to download all or selected CPUs and generate PT-MW-DPK.

These sample commands use standard input, with `mos.txt` as the input file, to supply MOS credentials.

Sample 1

- Run the script on Windows
- `os_type` Windows (generate output for Windows)
- Download CPUs for all components
- Build PT-MW-DPK

Command prompt

```
ptmwdm.bat --os_type Windows --output_dir c:\output < c:\mos.txt
```

PowerShell

```
Get-Content c:\mos.txt | .\ptmwdb.bat --os_type Windows --output_dir c:\output
```

Sample 2

- Run the script on Windows
- os_type Linux (generate output for Linux)
- Selective components — WebLogic and Oracle Database Client
- Build PT-MW-DPK

Command prompt

```
ptmwdb.bat --os_type Linux --output_dir c:\output --get_CPU WL,OC < c:\mos.txt
```

PowerShell

```
Get-Content c:\mos.txt | .\ptmwdb.bat --os_type Linux --output_dir c:\output  
--get_CPU WL,OC
```

Sample 3

- Run the script on Linux
- os_type Linux (generate output for Linux)
- All components
- Build PT-MW-DPK

```
./ptmwdb.sh --os_type Linux --output_dir /scratch/output < /scratch/mos.txt
```

Sample 4

- Run the script on Linux
- os_type Windows (generate output for Windows)
- Selective components — WebLogic
- Build PT-MW-DPK

```
./ptmwdb.sh --os_type Windows --output_dir /scratch/output --get_CPU WL </  
scratch/mos.txt
```

Download CPUs Only for All or Selective Components

Review sample commands to download CPUs for all or selected components, without generating the PT-MW-DPK.

These sample commands use standard input, with mos.txt as the input file, to supply MOS credentials.

Sample 1

- Run the script on Windows

- os_type Windows (generate output for Windows)
- All components
- Download only

Command prompt

```
ptmwdm.bat --os_type Windows --output_dir c:\output --download_only <
c:\mos.txt
```

PowerShell

```
Get-Content c:\mos.txt | .\ptmwdm.bat --os_type Linux --output_dir c:\output
--download_only
```

Sample 2

- Run the script on Windows
- os_type Linux (generate output for Linux)
- Selective components — WebLogic
- Download only

Command prompt

```
ptmwdm.bat --os_type Linux --output_dir c:\output --get_CPU WL --
download_only < c:\mos.txt
```

PowerShell

```
Get-Content c:\mos.txt | .\ptmwdm.bat --os_type Linux --output_dir c:\output
--get_CPU WL --download_only
```

Sample 3

- Run the script on Linux
- os_type Linux (generate output for Linux)
- All components
- Download only

```
./ptmwdm.sh --os_type Linux --output_dir /scratch/output --download_only < /
scratch/mos.txt
```

Sample 4

- Run the script on Linux
- os_type Windows (generate output for Windows)
- Selective components — WebLogic

- Download only

```
./ptmwdb.sh --os_type Windows --output_dir /scratch/output --download_only --  
get_CPU WL < /scratch/mos.txt
```

Generate Report Only for Available CPUs for All or Selective Components

Review sample commands to generate a report listing available CPUs for all or selective components. These commands do not generate the PT-MW-DPK.

These sample commands use standard input, with mos.txt as the input file, to supply MOS credentials.

Sample 1

- Run the script on Windows
- os_type Windows (generate output for Windows)
- All components
- Generate a report only

Command prompt

```
ptmwdb.bat --os_type Windows --output_dir c:\output --preview_download <  
c:\mos.txt
```

PowerShell

```
Get-Content c:\mos.txt | .\ptmwdb.bat --os_type Linux --output_dir c:\output  
--preview_download
```

Sample 2

- Run the script on Windows
- os_type Linux (generate output for Linux)
- Selective components — WebLogic
- Generate a report only

Command prompt

```
ptmwdb.bat --os_type Linux --output_dir c:\output --preview_download --  
get_CPU WL < c:\mos.txt
```

PowerShell

```
Get-Content c:\mos.txt | .\ptmwdb.bat --os_type Linux --output_dir c:\output  
--get_CPU WL ---preview_download
```

Sample 3

- Run the script on Linux
- os_type Linux (generate output for Linux)

- All components
- Generate a report only

```
./ptmwdb.sh --os_type Linux --output_dir /scratch/output --preview_download  
< /scratch/mos.txt
```

Sample 4

- Run the script on Linux
- os_type Windows (generate output for Windows)
- Selective components — WebLogic
- Generate a report only

```
./ptmwdb.sh --os_type Windows --output_dir /scratch/output --get_CPU WL --  
preview_download < /scratch/mos.txt
```

Using PeopleTools Middleware DPK Builder to Build PT-MW-DPK on Linux

Obtain the PeopleTools Middleware DPK from PS_HOME, source Python, and build a Middleware DPK.

Obtaining the PeopleTools Middleware DPK Builder

1. If you have not already done so, obtain the latest DPK zip files for the current PeopleSoft PeopleTools release.
Use the DPK setup script to deploy *PS_HOME* only.

See *PeopleSoft PeopleTools <Release> Deployment Packages Installation*, "Deploying the PeopleSoft PeopleTools Deployment Packages."

Note

If you have already installed the current PeopleSoft PeopleTools release, you can use the existing PeopleTools Middleware DPK Builder tool.

2. Go to *PS_HOME/setup/PsMWDPKBuilder*.
3. Copy the zip file PTMWDB-<REL>.zip to a temporary directory and extract in the same temporary directory.
For example, */scratch/ptmwdb/*.

See [Reviewing Features and Usage](#) for the contents of the zip file.

Sourcing the Python Directory

Before running the script, specify the path to the Python directory in your installation:

1. Locate the Python directory under the directory where you extracted the first PeopleTools DPK zip file.
For example, *DPK_INSTALL/setup/python*.

Note

The user who will run the PeopleTools Middleware DPK Builder tool must have read/write/execute (r/w/x) access to the Python directory.

2. Open a terminal window as the user who will run the PeopleTools Middleware DPK Builder tool.
3. Go to the directory where you copied and extracted the PeopleTools Middleware DPK Builder tool.
For example, /scratch/ptmwdb/.
4. Run the following command to set the path for Python for the current session.

```
export PATH=/scratch/dpkinstall/setup/python:$PATH
```

5. Run ./ptmwdb.sh as described in the following section.
For additional commands, see the examples in [Reviewing PeopleTools Middleware DPK Builder Sample Commands](#).

Building PT-MW-DPK on Linux with CPUs for All Components

Before invoking the PeopleTools Middleware DPK Builder tool using these steps:

1. Make sure the output directory exists and it's empty. If it does not exist, create it.
2. Prepare the MOS user ID and password. Refer to the section Supplying My Oracle Support User ID and Password.

These examples use MOS credentials provided through standard input.

1. Create a text file with your MOS account ID and password.
Enter your user ID and password in plain text.

```
mos_user_id=<User ID>  
mos_password=<password>
```

2. Save the text file in a convenient directory.
For example, /scratch/mos.txt.
3. Open a terminal window or PuTTY session and run the following two commands.

Note

If your network does not require a proxy to access the internet, you can skip this step.

```
export http_proxy=<your-proxy>  
export https_proxy=<your-proxy>
```

4. To invoke the PeopleTools Middleware DPK Builder tool using the mandatory parameters, use this command from the folder where the PeopleTools Middleware DPK Builder tool is extracted (for example: /scratch/ptmwdb/):

```
./ptmwdb.sh --os_type Linux --output_dir /scratch/output < /scratch/mos.txt
```

5. Check the log file `mdb_setup.log` in the top-level folder of the extracted files. This is the same folder (for example: `/scratch/ptmwdb/`) as the `readme.txt`.
6. Go to the output directory (for example: `/scratch/output/`) to locate the generated PT-MW-DPK and also the `download_patches_report.yaml`.
7. Extract `ptmw-manifest` from the generated zip file, without extracting the rest of the contents.
You will compare the component versions in `ptmw-manifest` with those in the existing PeopleSoft environment before applying the CPUs.
8. Go to the following section for instructions on using PT-MW-DPK to apply CPUs on an existing PeopleSoft environment.
See [Applying CPUs with PT-MW-DPK on an Existing PeopleSoft Environment](#).

Using PeopleTools Middleware DPK Builder to Build PT-MW-DPK on Microsoft Windows

Obtain the PeopleTools Middleware DPK from `PS_HOME`, source Python, and build a Middleware DPK.

Obtaining the PeopleTools Middleware DPK Builder

1. If you have not already done so, obtain the latest DPK zip files for the current PeopleSoft PeopleTools release.
Use the DPK setup script to deploy `PS_HOME` only.

See *PeopleSoft PeopleTools <Release> Deployment Packages Installation*, "Deploying the PeopleSoft PeopleTools Deployment Packages."

Note

If you have already installed the current PeopleSoft PeopleTools release, you can use the existing PeopleTools Middleware DPK Builder tool.

2. Go to `PS_HOME\setup\PsmWDPKBuilder`.
3. Copy the zip file `PTMWDB-<REL>.zip` to a temporary directory and extract in the same temporary directory.
For example, `C:\ptmwdb`.

See [Reviewing Features and Usage](#) for the contents of the zip file.

Sourcing the Python Directory

Before running the script, specify the path to the Python directory in your installation:

1. Locate the Python directory under the directory where you extracted the first PeopleTools DPK zip file.
For example, `DPK_INSTALL\setup\python`.
2. Open a command prompt or PowerShell as an Administrator.
3. Go to the directory where you copied and extracted the PeopleTools Middleware DPK Builder tool.
For example, `C:\ptmwdb`.
4. Run the following command to set the path for Python for the current session.

Command prompt:

```
set PATH=C:\DPK_INSTALL\setup\python;%PATH%
```

PowerShell:

```
$env:Path = "C:\DPK_INSTALL\setup\python;$env:Path"
```

5. Run ptmwdb.bat as described in the following section.
For additional commands, see the examples in [Reviewing PeopleTools Middleware DPK Builder Sample Commands](#).

Building PT-MW-DPK on Windows with CPUs for All Components

Before invoking the PeopleTools Middleware DPK Builder tool using these steps:

1. Make sure the output directory exists and it's empty. If it does not exist, create it.
2. Prepare the MOS user ID and password. Refer to the section [Supplying My Oracle Support User ID and Password](#).

These examples use MOS credentials provided through standard input.

1. Create a text file with your MOS account ID and password.
Enter your user ID and password in plain text.

```
mos_user_id=<User ID>  
mos_password=<password>
```

2. Save the text file in a convenient directory.
For example, C:\mos.txt.
3. Run the following two commands as an administrator.

Note

If your network does not require a proxy to access the internet, you can skip this step.

Command prompt:

```
set http_proxy=<your-proxy>  
set https_proxy=<your-proxy>
```

PowerShell:

```
$env:http_proxy = "<your-proxy>"  
$env:https_proxy = "<your-proxy>"
```

4. To invoke the PeopleTools Middleware DPK Builder tool using the mandatory parameters, use one of these commands from the folder where the PeopleTools Middleware DPK Builder tool is extracted (for example: c:\PTMWDB\).

Command prompt:

```
ptmwdb.bat --os_type Windows --output_dir c:\output < c:\mos.txt
```

PowerShell:

```
Get-Content c:\mos.txt | .\ptmwdb.bat --os_type Windows --output_dir  
c:\output
```

5. Check the log file `mdb_setup.log` in the top-level folder of the extracted files. This is the same folder (for example: `c:\PTMWDB\`) as the `readme.txt`.
6. Go to the output directory (for example: `c:\output`) to locate the generated PT-MW-DPK and also the `download_patches_report.yaml`.
7. Extract `ptmw-manifest` from the generated zip file, without extracting the rest of the contents.
You will compare the component versions in `ptmw-manifest` with those in the existing PeopleSoft environment before applying the CPUs.
8. Go to the following section for instructions on using PT-MW-DPK to apply CPUs on an existing PeopleSoft environment.
See [Applying CPUs with PT-MW-DPK on an Existing PeopleSoft Environment](#).

Applying CPUs with PT-MW-DPK on an Existing PeopleSoft Environment

After you use the PeopleTools Middleware DPK Builder to create PT-MW-DPK, use the DPK setup script to apply the selected CPUs to an existing PeopleSoft environment.

Note

Running the `psft-dpk-setup.bat` script on Microsoft Windows is supported only with a command prompt.

1. Copy the generated DPK, PT-MW-DPK, into the same folder with the DPKs used for PeopleTools installation (for example: `<dpk_install_existing>`).

2. Go to `<dpk_install_existing>/setup` and run the command.
Microsoft Windows:

```
psft-dpk-setup.bat --apply_mw_cpu --psft_base_dir <psft_base_dir>
```

Linux:

```
./psft-dpk-setup.sh --apply_mw_cpu --psft_base_dir <psft_base_dir>
```

3. Check the DPK setup log and also the environment to validate that the latest CPUs are applied.