

Windows 11 image creation using the image deployment framework

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This guide demonstrates how to create customized Windows 11 images, using a collection of scripts that are available for download from the Microsoft Download Center.

You can use the images you create to deploy to a line of devices, complete with customizations like apps, drivers, languages, and settings.

Prepare your environment

To follow the steps in this lab, you'll need:

- A technician PC where you'll be making offline customizations to your image
- A reference PC where you'll deploy your custom image
- A 16 Gb USB drive that you'll use to deploy your image. This is required for both USB- and network-based deployments.
- Windows installation ISO and supplemental media (collateral).

Technician PC

Ensure your technician PC meets the following requirements:

- Quad core CPU
- 8 Gb RAM
- 128 Gb SSD
- Windows 11 Professional
- The Windows ADK for Windows 11 and associated WinPE add-on installed.


When you install the ADK, at minimum, install:

- Deployment Tools
- User State Migration Tool (USMT)
- Network connection if you're going to deploy your image over a network

Collateral

Download the following collateral onto your technician PC:

 Expand table

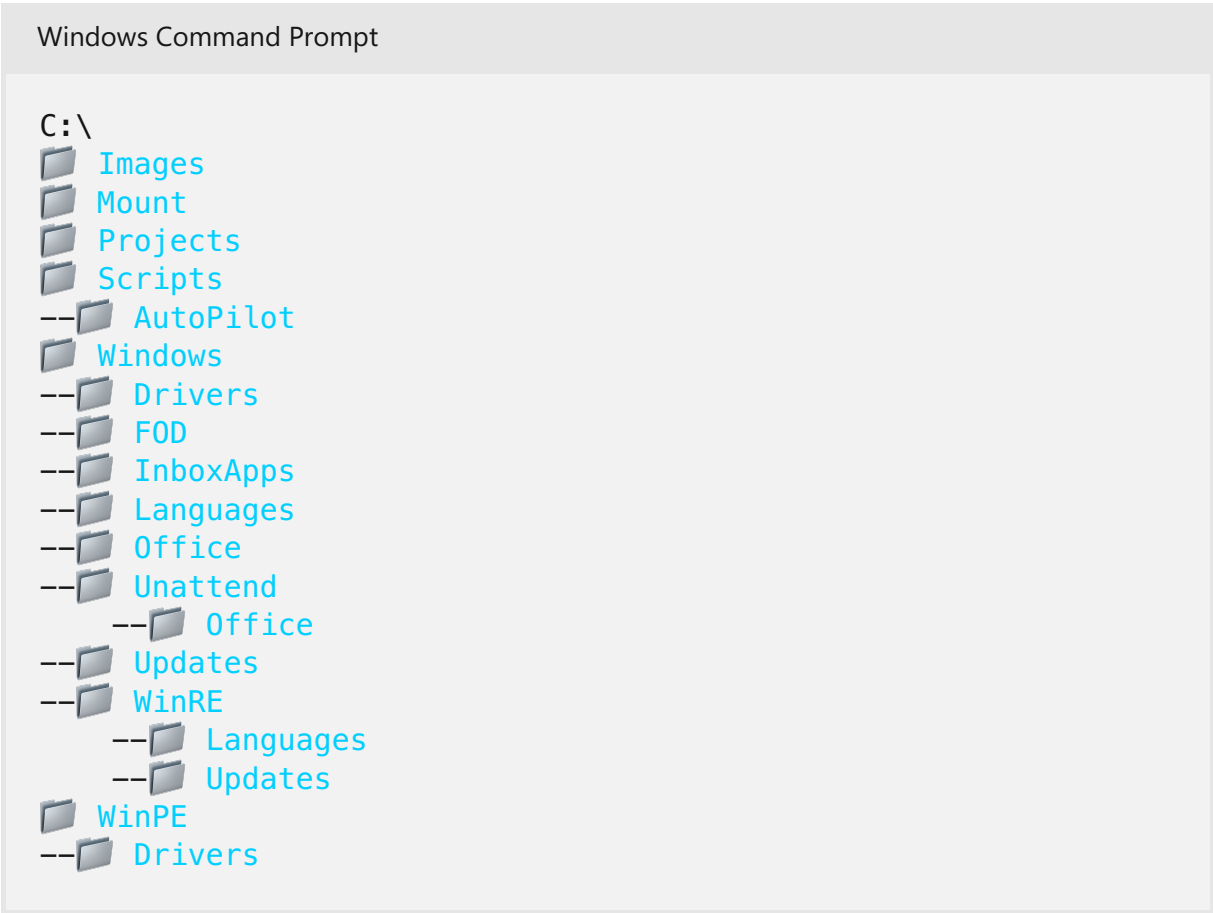
| Collateral | Part number |
|---|----------------|
| Windows installation media | X22-77379 |
| Languages and Optional Features ISO | X22-62160 |
| RDX ISO | X22-62162 |
| Inbox apps ISO | X22-79194 |
| The latest LCU for Windows 11 | X22-89545 |
| Office 2106 OPK | X22-61138 |
| Office C2R Scripts for OPK v 2106 | X22-61128 |
| The Images.zip download  | No part number |

Prepare the Images folder

Now that you've gathered your collateral, you can configure your technician PC to start creating images. The image creation process described in this lab is based on the Images.zip download, which you'll extract onto your PC and then populate it with contents from the other collateral.

Extract Images.zip

Extract the contents of Images.zip to the root of your hard drive. once extracted, you should have this folder structure:



Here's a description of what each folder is for. Many of these folders will be empty when you extract images.zip, and you'll copy packages into them:

[Expand table](#)

| Folder | Description |
|----------|---|
| Images | This is where custom project images are stored. |
| Mount | Used for mounting wim files during the customization process. This folder must be empty before starting a new custom image. Never store files here. |
| Projects | Projects are stored here and inherit the file system and |

| | |
|-------------------------|--|
| | files from \Windows folder when <code>CreateProject.cmd</code> is run |
| Scripts | contains scripts required for WinPE environment including <code>WinPEMenu.cmd</code> . |
| Windows\Drivers | Drivers placed here will be injected into the Windows and WinRE images. |
| Windows\FOD | Retail Demo Experience and Language Features on Demand packages. |
| Windows\InboxApps | Inbox UWP Apps Updates and other UWP apps. Apps in this folder are managed with <code>UpdateInboxApps.cmd</code> . |
| Windows\Language | Language files for multi-language Windows images. |
| Windows\Unattend | OEM customization files and other scripts required for automated processing. |
| Windows\Updates | .msu update packages, including the ZDP and LCUs. |
| Windows\WinRE\Languages | WinRE language files from the ADK for multi language Windows images. |
| Windows\WinRE\Updates | WinRE update packages. |
| WinPE\Drivers | Drivers required for WinPE. |

Script usage

The scripts in Images.zip make it easy to build and deploy images. The steps in this lab use the scripts for each of the image creation and deployment phases.

When you run the scripts, you'll see the following colors, each with a different meaning:

 Expand table

| Color | Description |
|-------|------------------------|
| Green | Waiting for user input |
| Blue | The script is running |
| Red | Warning |

Copy collateral

Now that you have the folder structure and scripts on your hard drive, add packages from your collateral into the Images folder.

Copy drivers

Add drivers to the `Images\Windows\Drivers` and `Images\WinPE\Drivers` folders.

- If you are preparing a system specific image you can place Windows drivers in this folder that will be added to the image
- If you are preparing a generic Windows image and do not want to include system specific driver then you'll have the opportunity to add drivers on the Reference PC during image customization.
- Only .inf based drivers can be added. Drivers that use an installer (Setup.exe) cannot be added using DISM
- Only install applicable driver architecture. Some IHVs may deliver the driver package that includes both x86 and x64 binaries, but only install the applicable architecture.

Copy RDX packages

Copy the packages from the RDX FOD ISO into the `Images\Windows\FOD` folder.

Copy at least the `Microsoft-Windows-RetailDemo-OfflineContent-Content-`

Package~31bf3856ad364e35~amd64~~.cab and Microsoft-Windows-RetailDemo-OfflineContent-Content-en-us-Package~31bf3856ad364e35~amd64~~.cab files

Also copy the Microsoft-Windows-RetailDemo-OfflineContent-Content-xx-yy-Package~31bf3856ad364e35~amd64~~.cab files of all the languages you are adding.

Copy Language packages

If you're planning to include additional languages into your image:

1. Copy language FOD packages from the Languages and Optional Features ISO into the Images\Windows\FOD folder. These files are:

- Microsoft-Windows-LanguageFeatures-TextToSpeech-xx-yy-Package~31bf3856ad364e35~amd64~~.cab
- Microsoft-Windows-LanguageFeatures-Basic-xx-yy-Package~31bf3856ad364e35~amd64~~.cab
- Microsoft-Windows-LanguageFeatures-Handwriting-xx-yy-Package~31bf3856ad364e35~amd64~~.cab
- Microsoft-Windows-LanguageFeatures-OCR-xx-yy-Package~31bf3856ad364e35~amd64~~.cab
- Microsoft-Windows-LanguageFeatures-Speech-xx-yy-Package~31bf3856ad364e35~amd64~~.cab

ⓘ Note

Only some Languages have the Microsoft-Windows-LanguageFeatures-Speech package. Some Languages require the optional fonts package e.g. Japanese (Microsoft-Windows-LanguageFeatures-Fonts-Jpan-

Package~31bf3856ad364e35~amd64~~.cab).

2. Copy the contents of the the LanguagesAndFeatures folder of Languages and Optional Features ISO into the `Images\Windows\Languages` folder. After copying, delete the `Microsoft-Windows-Client-Language-Pack_x64_xx-yy.cab` main language files of the languages you do not want to add.

To save disk space, you can also delete the `Microsoft-Windows-Client-Language-Pack_x64_en-us.cab` file since it's already in the image.

Important

Don't remove the rest 3,000+ files as they are needed for the correct configuration of satellite packages.

If you are building an English only image, you can leave the folder empty

Copy inbox apps

1. Copy the contents of the amd64fre folder of the Inbox Apps ISO into the `Images\Windows\InboxApps` folder.
2. Copy the contents (4 files) of the `x64\Microsoft.SecHealthUI_8wekyb3d8bbwe` folder of the X22-79194 Win 11 21H2 x64 MltLng OPK Inbox Apps (Win Security AppX) JuneRTM\SW ELCTRNC Win 11 21H2 x64 MltLng InboxAppsOEM (WinSecurityAppX) JuneRTM\Layer\X22-79198.zip archive - overwriting the two existing files: `Microsoft.SecHealthUI_8wekyb3d8bbwe.appx` and `Microsoft.SecHealthUI_8wekyb3d8bbwe.xml`.

Copy Office packages

1. Copy the contents of the 2106ODT folder of the X22-61128 Office C2RScriptsConfigDeployment Tool for OEM OPK v2106 in the `Windows\Office` folder.
2. Copy the contents of the X22-61138 Office 2106 English OPK in the `Images\Windows\Office` folder.
3. **Optional:** Copy the contents of additional Office 2106 OPKs of the Office languages that you intend to preinstall

Notes:

- The top folder of each Office 2106 OPK is Office. This is the folder that must be copied in the `Windows\Office` folder so you'll end up with an `Images\Windows\Office\Office\Data\..` folder structure.
- Office 2106 OPKs have different language resource files but the base files are the same. If you're copying multiple Office OPKs then you'll get a **file-overwrite** prompt. It's OK to skip overwriting files to speed up the copying process.
- The Office languages you add will not all be preinstalled by default. You'll be prompted to select which Office languages will be preinstalled later in the project creation process.
- If you don't want to add multiple languages in a multilanguage Windows image, then you must preinstall Office in the default Windows language.

Unattend

The `Images\Unattend` folder contains the file `Unattend.xml` which is used to add OEM information to the Windows image. This file will be customized with the information you will be asked to provide during `CreateImage.cmd` process in the image creation process.

All the files and scripts in this folder are required for successful image creation.

Wallpaper

If you're using a custom desktop background (wallpaper) image, copy it into the `Images\Unattend` folder `wallpaper.jpg` overwriting the existing file. If you don't plan to use a custom wallpaper, then please delete the existing `wallpaper.jpg` file

Updates

Place all .msu update packages in the `Images\Windows\Updates` and `Images\Windows\WinRE\Updates` folder. Updates in these folders will programmatically update the `Install.wim` file during the `CreateImage.cmd` process.

Place the following into the update folders:

- The `Windows10.0-KB5005027-x64.msu` package from the Windows installation media OPK.
- The `Windows10.0-KB5005635-x64.msu` from the LCU media.

Recovery

Place all the WinPE language packs you want to be applied to WinRE into the `Images\Windows\WinRE\Languages` folder. Copy the language packs from `C:\Program Files (x86)\Windows Kits\10\Assessment and Deployment Kit\Windows Preinstallation Environment\amd64\WinPE_Ocs\xx-yy`.

You'll also need the following files for each language; if adding multiple languages you may preserve the folder structure from `C:\Program Files (x86)\Windows Kits\10\Assessment and Deployment Kit\Windows Preinstallation Environment\amd64\WinPE_OCs`

- `lp.cab`
- `WinPE-Rejuv_xx-yy.cab`

- WinPE-EnhancedStorage_xx-yy.cab
- WinPE-Scripting_xx-yy.cab
- WinPE-SecureStartup_xx-yy.cab
- WinPE-SRT_xx-yy.cab
- WinPE-WDS-Tools_xx-yy.cab
- WinPE-WMI_xx-yy.cab
- WinPE-StorageWMI_xx-yy.cab
- WinPE-HTA_xx-yy.cab

Important

You must match the WinRE languages with the preinstalled Windows languages. If you're building an English only image, you can leave the folder empty. Some Languages require the optional fonts package e.g. Japanese.

For network based deployment - Share the Images folder

If you'll be deploying your image over a network, you'll need to make your **Images** folder available over the network.

1. In File explorer on your technician PC, right-click on the **C:\Images** folder and select **Properties**.
2. Click on the **Sharing** tab.
3. Under **Advanced Sharing**, click the **Advanced Sharing...** button.
4. Check the box next to **Share this folder**.
5. Click on **Permissions**.
6. Configure permissions:
 - **Full control**: Allow
 - **Change**: Allow
 - **Read**: Allow

7. Click **OK** on the Permissions and Advanced Sharing windows.
8. Close the Image Properties window. Your Images folder is now available over the network.

⚠ Note

Ensure that your network is set as Private, and your firewall rules allow for sharing a folder over a network.

Create a USB drive that can boot to WinPE

Now that you have your environment setup, you can start using the Images.zip scripts. We'll first use `CreateWinPE.cmd` to create a bootable USB drive with a customized version of WinPE that you'll use to boot the reference PC with WinPE and store Images, or create a network mapping back to the technician PC.

`CreateWinPE.cmd` uses the following syntax:

Windows Command Prompt

```
CreateWinPE {/DualPart | /OnePart | /Network <NetworkName>  
<UserName> <Password>}
```

[Expand table](#)

| Command | Description |
|-----------------------------|--|
| Partition option (required) | |
| /DualPart | Dual partitioned bootable WinPE with NTFS partition for Images to be stored. |

| | |
|----------|--|
| /OnePart | Single partitioned bootable WinPE drive, formatted as FAT32. |
| /Network | Single partitioned bootable WinPE with network mapping capabilities. You'll need to supply the Computer Name, User Account name and the Password for that account. |

1. Open the **Deployment and Imaging tools** as an administrator
2. Run `CreateWinPE.cmd`:

Windows Command Prompt

```
CreateWinPE.cmd /dualpart
```

to create a dual-partitioned USB drive, or:

Windows Command Prompt

```
CreateWinPE.cmd /network
```

to create WinPE media that will connect over a network to a share that contains your image.

```
Administrator: Command Prompt - CreateWinPE.cmd /network ComputerName UserName Password - CreateWinPE.cmd /network ComputerName UserNam...
WARNING: This process will clean and format the selected Disk
Select the Disk number of your USB from the list above: 4
WARNING, ALL DATA ON NON-REMOVABLE DISK
DISK 4 WILL BE LOST
Proceed with Format or Ctrl-C to break

Waiting for 6 seconds, press a key to continue ...

Microsoft DiskPart version 10.0.22454.1000

Copyright (C) Microsoft Corporation.
On computer: MURPHYSRV

Disk 4 is now the selected disk.

DiskPart succeeded in cleaning the disk.

DiskPart succeeded in creating the specified partition.

    100 percent completed

DiskPart successfully formatted the volume.

DiskPart successfully assigned the drive letter or mount point.

DiskPart marked the current partition as active.

Leaving DiskPart...
Proceeding...

Deployment Image Servicing and Management tool
Version: 10.0.22454.1000

Mounting image
[=====] 18.0% ]
```

Start a new project

Before you can start creating a custom Windows image, create a new project. A project is a design for one image.

1. Mount the Windows installation ISO image. In Windows Explorer, double click on the ISO file and the ISO will appear as an optical drive and be assigned a drive letter. Notice the drive letter, e.g. `D:\`.

💡 Tip

You can copy the `\Sources\install.wim` file from the Windows installation ISO into the `C:\Images` folder for easier access.

2. If it's not already open, run the **Deployment and Imaging Tools Environment** as an administrator.
3. Navigate to the `C:\Images` folder:

Windows Command Prompt

```
cd c:\Images
```

4. Run the `CreateProject.cmd` script to create a new project:

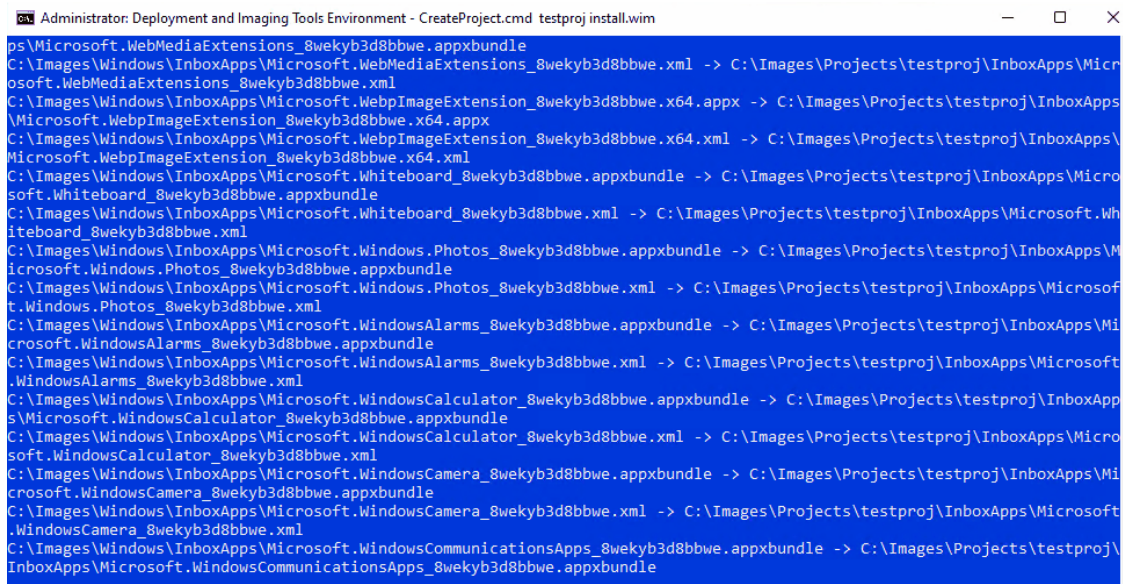
Windows Command Prompt

```
CreateProject.cmd <projectname> D:\Sources\install.wim
```

Where `<projectname>` is a name for your project, e.g. "testproj", and `D:\Sources\install.wim` is the path to the `install.wim` file on the mounted ISO file or your hard disk.

When this script runs, all files and folders from the `Images\Windows` folder will be copied to `Images\Projects\<projectname>`.

The `Images\Projects\<projectname>` folder is now presented for verification, additions and removals of files. The `Images\Windows` folder is left intact for future use with additional projects.



```
Administrator: Deployment and Imaging Tools Environment - CreateProject.cmd testproj install.wim
C:\Images\Windows\InboxApps\Microsoft.WebMediaExtensions_8wekyb3d8bbwe.appxbundle -> C:\Images\Projects\testproj\InboxApps\Microsoft.WebMediaExtensions_8wekyb3d8bbwe.xml
C:\Images\Windows\InboxApps\Microsoft.WebMediaExtensions_8wekyb3d8bbwe.xml -> C:\Images\Projects\testproj\InboxApps\Microsoft.WebMediaExtensions_8wekyb3d8bbwe.appxbundle
C:\Images\Windows\InboxApps\Microsoft.WebpImageExtension_8wekyb3d8bbwe.x64.appx -> C:\Images\Projects\testproj\InboxApps\Microsoft.WebpImageExtension_8wekyb3d8bbwe.x64.xml
C:\Images\Windows\InboxApps\Microsoft.WebpImageExtension_8wekyb3d8bbwe.x64.xml -> C:\Images\Projects\testproj\InboxApps\Microsoft.WebpImageExtension_8wekyb3d8bbwe.appx
C:\Images\Windows\InboxApps\Microsoft.Whiteboard_8wekyb3d8bbwe.appxbundle -> C:\Images\Projects\testproj\InboxApps\Microsoft.Whiteboard_8wekyb3d8bbwe.xml
C:\Images\Windows\InboxApps\Microsoft.Whiteboard_8wekyb3d8bbwe.xml -> C:\Images\Projects\testproj\InboxApps\Microsoft.Whiteboard_8wekyb3d8bbwe.appxbundle
C:\Images\Windows\InboxApps\Microsoft.Windows.Photos_8wekyb3d8bbwe.appxbundle -> C:\Images\Projects\testproj\InboxApps\Microsoft.Windows.Photos_8wekyb3d8bbwe.xml
C:\Images\Windows\InboxApps\Microsoft.Windows.Photos_8wekyb3d8bbwe.xml -> C:\Images\Projects\testproj\InboxApps\Microsoft.Windows.Photos_8wekyb3d8bbwe.appxbundle
C:\Images\Windows\InboxApps\Microsoft.Windows.Alarms_8wekyb3d8bbwe.appxbundle -> C:\Images\Projects\testproj\InboxApps\Microsoft.Windows.Alarms_8wekyb3d8bbwe.xml
C:\Images\Windows\InboxApps\Microsoft.Windows.Alarms_8wekyb3d8bbwe.xml -> C:\Images\Projects\testproj\InboxApps\Microsoft.Windows.Alarms_8wekyb3d8bbwe.appxbundle
C:\Images\Windows\InboxApps\Microsoft.Windows.Calculator_8wekyb3d8bbwe.appxbundle -> C:\Images\Projects\testproj\InboxApps\Microsoft.Windows.Calculator_8wekyb3d8bbwe.xml
C:\Images\Windows\InboxApps\Microsoft.Windows.Calculator_8wekyb3d8bbwe.xml -> C:\Images\Projects\testproj\InboxApps\Microsoft.Windows.Calculator_8wekyb3d8bbwe.appxbundle
C:\Images\Windows\InboxApps\Microsoft.Windows.Camera_8wekyb3d8bbwe.appxbundle -> C:\Images\Projects\testproj\InboxApps\Microsoft.Windows.Camera_8wekyb3d8bbwe.xml
C:\Images\Windows\InboxApps\Microsoft.Windows.Camera_8wekyb3d8bbwe.xml -> C:\Images\Projects\testproj\InboxApps\Microsoft.Windows.Camera_8wekyb3d8bbwe.appxbundle
C:\Images\Windows\InboxApps\Microsoft.Windows.CommunicationsApps_8wekyb3d8bbwe.appxbundle -> C:\Images\Projects\testproj\InboxApps\Microsoft.Windows.CommunicationsApps_8wekyb3d8bbwe.xml
C:\Images\Windows\InboxApps\Microsoft.Windows.CommunicationsApps_8wekyb3d8bbwe.xml -> C:\Images\Projects\testproj\InboxApps\Microsoft.Windows.CommunicationsApps_8wekyb3d8bbwe.appxbundle
```

Create a new image

Now that you've created a project, you can start creating a new image. We'll use `CreateImage.cmd` to create our image.

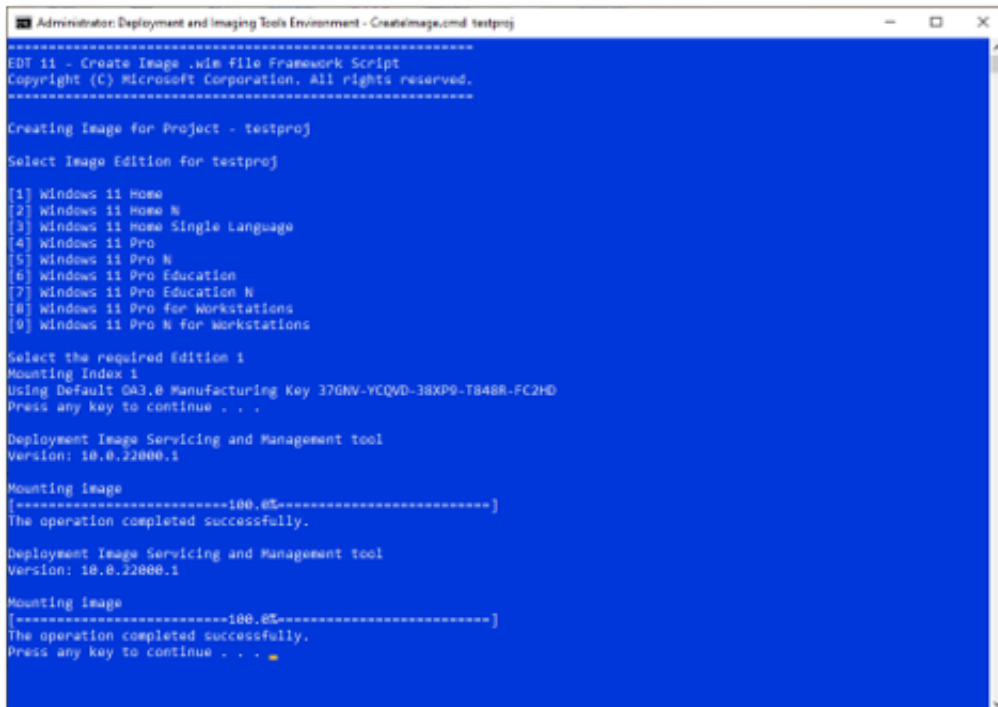
1. From the **Deployment and Imaging Tools** running as an administrator, run `CreateImage.cmd`:

Windows Command Prompt

```
CreateImage.cmd NewProject
```

Where `NewImage` is the name you're giving the image.

2. You'll be prompted to select a Windows 11 edition. The default OA 3.0 Manufacturing Key will be automatically applied to the image and the `unattend.xml` updated:



```
Administrator: Deployment and Imaging Tools Environment - CreateImage.cmd testproj
EDT 11 - Create Image .wim file Framework Script
Copyright (C) Microsoft Corporation. All rights reserved.

Creating Image for Project - testproj
Select Image Edition for testproj

[1] Windows 11 Home
[2] Windows 11 Home N
[3] Windows 11 Home Single Language
[4] Windows 11 Pro
[5] Windows 11 Pro N
[6] Windows 11 Pro Education
[7] Windows 11 Pro Education N
[8] Windows 11 Pro for Workstations
[9] Windows 11 Pro N for Workstations

Select the required edition :
Mounting Index 1
Using Default OA3.0 Manufacturing Key 37GNV-YCQVD-38XP9-T848R-FC2HD
Press any key to continue . . .

Deployment Image Servicing and Management tool
Version: 10.0.22000.1

Mounting image
[=====100.0%=====]
The operation completed successfully.

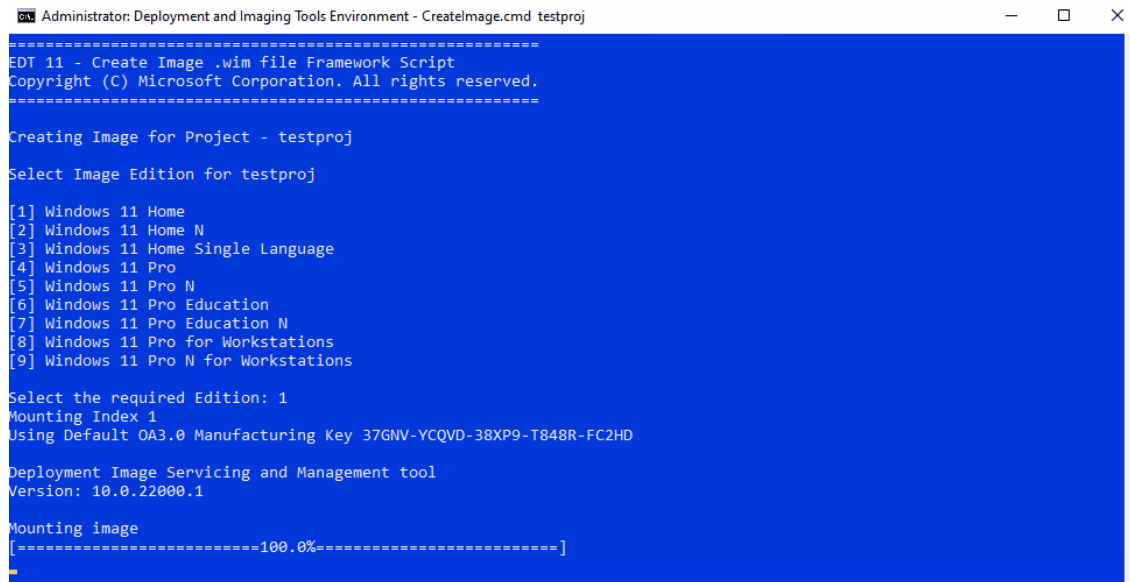
Deployment Image Servicing and Management tool
Version: 10.0.22000.1

Mounting image
[=====100.0%=====]
The operation completed successfully.
Press any key to continue . . .
```

Once you choose an edition, the image will be mounted and your drivers,

languages, FOD, and Updates will be applied programmatically.

All the drivers in your `Images\Projects\<projectname>\Drivers` folder will be applied to both Windows and WinRE.



```
Administrator: Deployment and Imaging Tools Environment - CreateImage.cmd testproj
=====
EDT 11 - Create Image .wim file Framework Script
Copyright (C) Microsoft Corporation. All rights reserved.
=====

Creating Image for Project - testproj

Select Image Edition for testproj

[1] Windows 11 Home
[2] Windows 11 Home N
[3] Windows 11 Home Single Language
[4] Windows 11 Pro
[5] Windows 11 Pro N
[6] Windows 11 Pro Education
[7] Windows 11 Pro Education N
[8] Windows 11 Pro for Workstations
[9] Windows 11 Pro N for Workstations

Select the required Edition: 1
Mounting Index 1
Using Default OA3.0 Manufacturing Key 37GNV-YCQVD-38XP9-T848R-FC2HD

Deployment Image Servicing and Management tool
Version: 10.0.22000.1

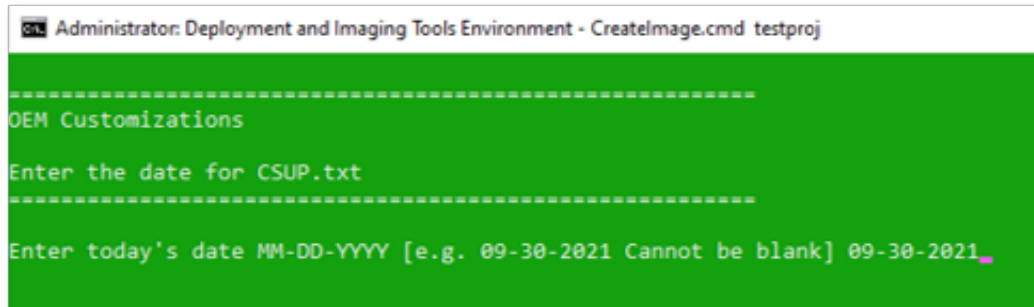
Mounting image
[=====100.0%=====]
```

The script pauses at the end of this process for your review of applied packages and drivers.

OEM Customizations

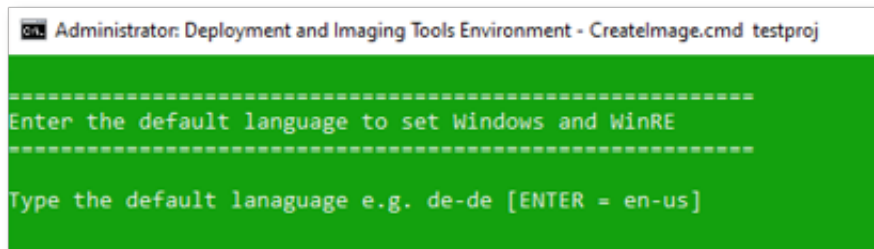
After you've reviewed the list of applied packages and drivers, `NewImage.cmd` will prompt for additional information.

1. Enter the date. This date will be used to create a `csup.txt` file that includes the date, in the MM-DD-YYYY format.



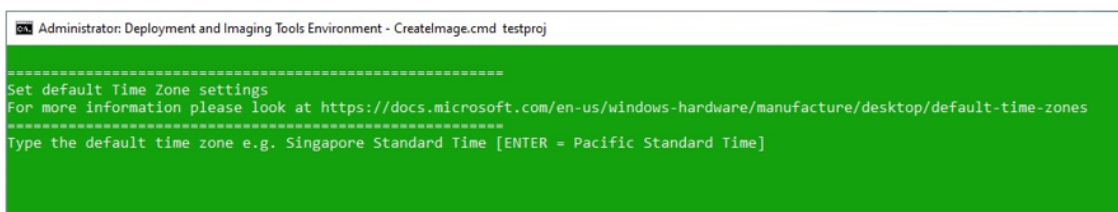
2. Enter the default language of the image. This will also be applied as the default language for WinRE. Note that a corresponding Language Pack must have been included in your \Images\Windows\Languages folder when you initially ran `CreateImage.cmd`.

The default value is **en-US**.

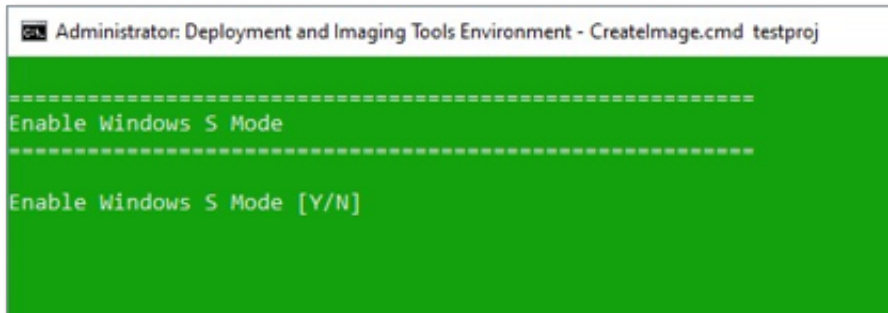


3. Type the name of your time zone.

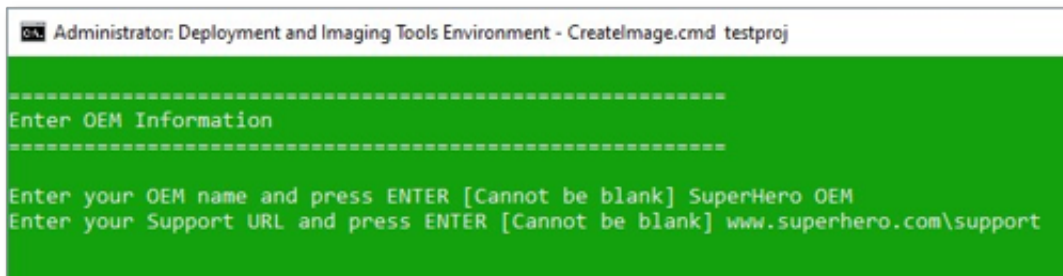
The default value is **Pacific Standard Time**.



4. Enter whether you want to enable S Mode (Y/N).



5. Enter your OEM name and support URL. Entering this information is required and will be used in the Get Help app.



6. If you've included Office in your image you will prompted to select the Office languages, you want to include in your image from the file which is presented in Notepad. Completely remove the lines with languages you do not want to include, select **File** and **Save**, then close Notepad when done.

Save your image

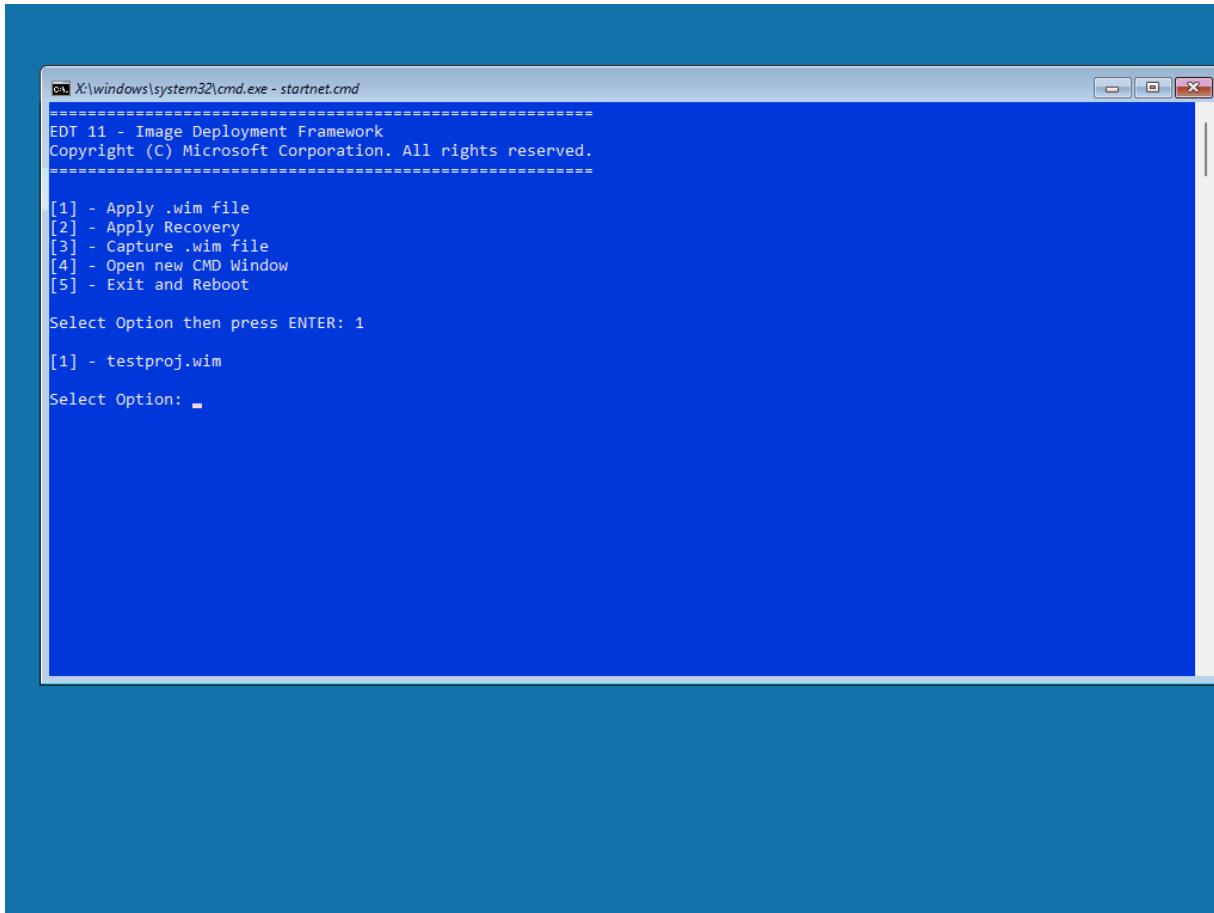
Image customization is now complete, and the custom image is saved in the `Images\Images\<projectname>.wim` folder.

- If you'll be deploying your image from a USB, copy the `<projectname>.wim` file to your USB drive.
- If you'll be deploying your image over a network, you can leave the image where it is.

Apply your image to a reference PC

Now that you have a customized image, you can deploy it to your reference PC.
You can:

- Deploy it over a network, or
- Deploy it using a USB key

A screenshot of a Windows command prompt window titled "X:\windows\system32\cmd.exe - startnet.cmd". The window has a blue background and displays the following text:

```
=====
EDT 11 - Image Deployment Framework
Copyright (C) Microsoft Corporation. All rights reserved.
=====

[1] - Apply .wim file
[2] - Apply Recovery
[3] - Capture .wim file
[4] - Open new CMD Window
[5] - Exit and Reboot

Select Option then press ENTER: 1

[1] - testproj.wim

Select Option: _
```

USB Deployment Method

- Copy the `C:\Images\Images` and `C:\Images\Scripts` folders to the NTFS USB drive/partition

USB and Network Method

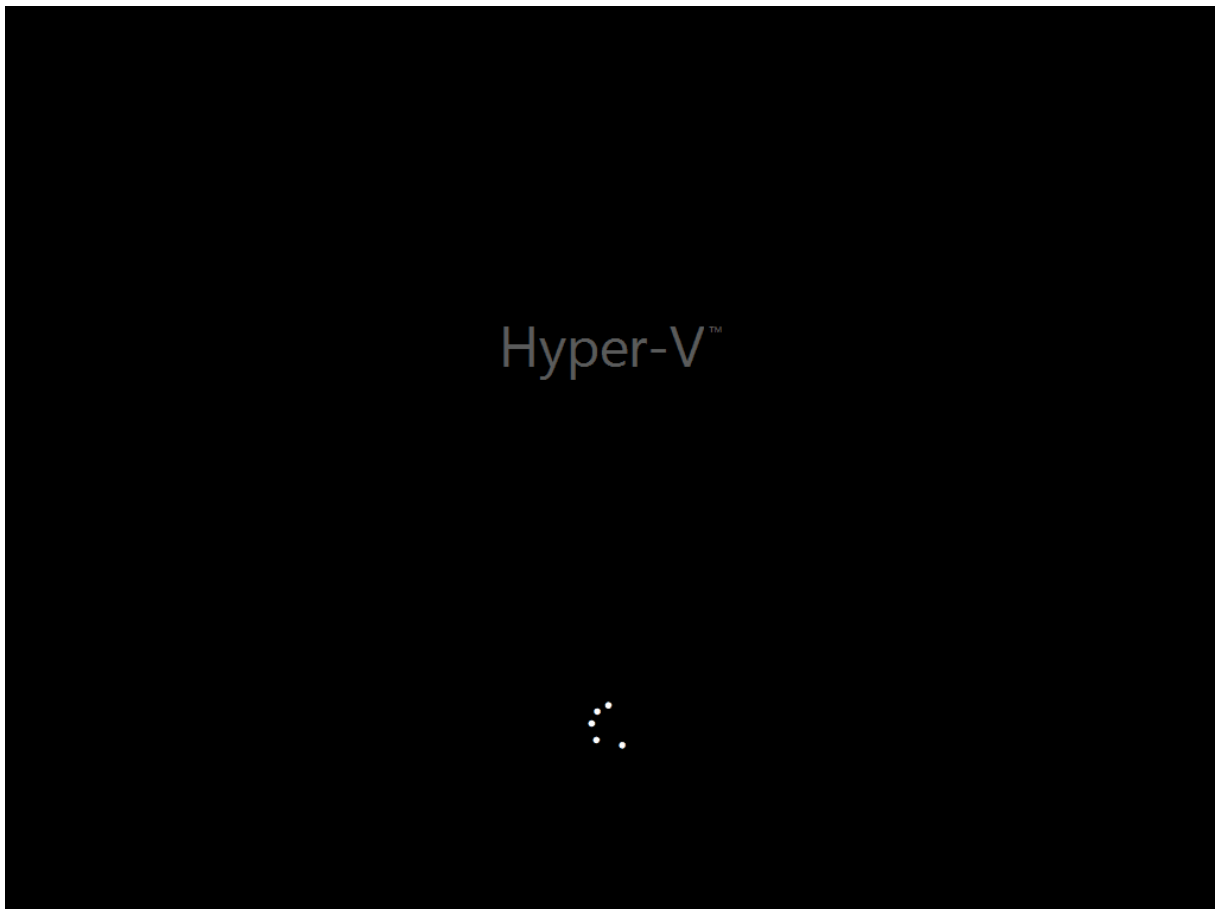
1. Boot the reference device from the WinPE USB drive.

2. After the device boots, you'll be prompted to choose an option. Select Enter **1** to Apply a .wim file. You'll be shown a list of available wim files.
3. Select the image you want to apply (but don't press Enter).
4. On the selection screen, enter **2** to Apply Recovery.
5. Once the image is applied, enter **5** to Exit and reboot the reference PC into Audit mode.

Audit mode customizations

The reference PC will boot Windows 11 in Audit mode and an automated process will start in a paused state, and the Sysprep window will be closed.

1. When you're ready to start Audit mode customizations, press any key in the script window to start Office configuration and installation.
2. When Office the installation finishes, close the Office window.
3. If you have additional drivers or applications to add to your image, add them.
4. Once you're finished installing additional apps and drivers, click any key in the paused script window to configure recovery, finalize the image, and shut down the PC.



Capture your image

Next you'll boot the reference PC from the WinPE USB drive to capture the customized image. Make sure that the USB with the Images and Scripts folder is in the reference PC when you turn it on.

Important

Make sure you're booting to the USB drive, and not into Windows. If you boot into Windows, you may have to manually enter Audit mode and run Sysprep again.

USB Deployment Method

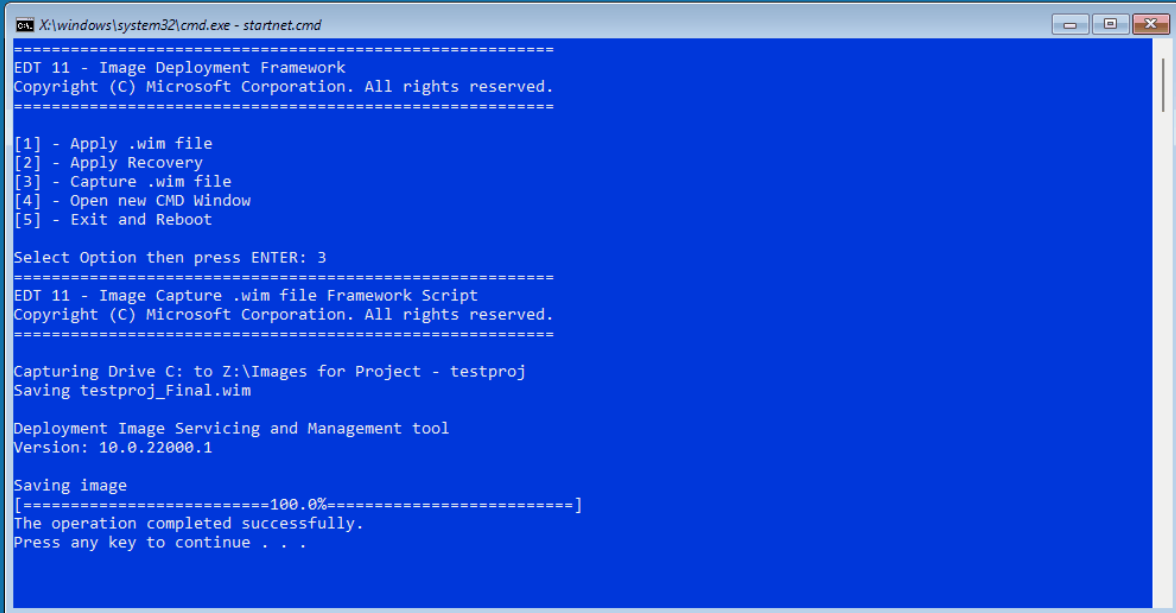
Once booted to the USB drive, you'll be prompted with a list of options:

1. Enter **3** to capture a .wim file. The Windows image will be captured on the USB drive in the `\Images` folder as `<projectname_Final>.wim`
2. When the image capture is finished enter **5** to Exit and Reboot.

Network Deployment Method

Once booted to the USB drive, you'll be prompted with a list of options:

1. Enter **3** to capture a .wim file. The Windows image will be captured on the network share in the `\Images` folder as `<projectname>_Final.wim`
2. When the image capture is finished enter **5** to Exit and Reboot.



```
X:\windows\system32\cmd.exe - startnet.cmd
=====
EDT 11 - Image Deployment Framework
Copyright (C) Microsoft Corporation. All rights reserved.
=====

[1] - Apply .wim file
[2] - Apply Recovery
[3] - Capture .wim file
[4] - Open new CMD Window
[5] - Exit and Reboot

Select Option then press ENTER: 3
=====
EDT 11 - Image Capture .wim file Framework Script
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=====

Capturing Drive C: to Z:\Images for Project - testproj
Saving testproj_Final.wim

Deployment Image Servicing and Management tool
Version: 10.0.22000.1

Saving image
[=====100.0%=====]
The operation completed successfully.
Press any key to continue . . .
```

Deploy your image

Boot the reference PC from the WinPE USB

USB Deployment Method

To deploy your image, you'll boot the reference PC from the WinPE USB drive and then choose the Apply wim option. Make sure that the USB with the Images and Scripts folder is in the reference PC when you turn it on.

1. Once you've booted to the USB drive, you'll be shown a list of options. Enter **1** to Apply .wim file.
2. Select your finalized image (<projectname>_Final.wim).
3. Once the image is finished being deployed, enter **5** to Exit and Reboot to reboot the destination PC to Audit mode
4. When the device reboots into Audit mode, you can run quality checks and OA 3.0 DPK injection, and then use the Sysprep pane to seal the PC to OOBE mode, shutdown and ship.
5. **For images shipping with S Mode enabled:** Run the `Sysprep S Mode.cmd` file on the desktop. This script configures the registry for final shipment and runs `Sysprep /OOBE /Shutdown`.

Important

Don't manually run Sysprep, use this script instead.

