Add updates to a Windows image

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In this article

Add a Windows update package to an image

Notes

Like other types of packages, you can use DISM to add an update package to a Windows image.

Add a Windows update package to an image

1. Download a Windows update package. For example, get the latest cumulative update (LCU) from the Microsoft Update catalog . If the update has any prerequisite updates, get those too.

2. Add the updates to a mounted or online image. For packages with dependencies, either install the packages in order, or add them all at once using a single DISM command.

   Example: Adding a cumulative update to a mounted or offline image:

   ```cmd
   Dism /Image:"C:\mount\windows" /Add-Package /PackagePath="windows10.0-
   kb4456655-x64_fca3f0c885da48efc6f9699b0c1eaf424e779434.msu"
   /LogPath=C:\mount\dism.log
   ```

   > ⓘ **Important**
   >
   > If you add an update to an offline image after it's applied to a target device, re-run BCDBoot to ensure that any updated boot files from the update are copied to the system partition.

Example: Adding a cumulative update to a running Windows installation:

```
cmd                                                                    Copy

Dism /Online /Add-Package /PackagePath="windows10.0-kb4456655-
x64_fca3f0c885da48efc6f9699b0c1eaf424e779434.msu"  /LogPath=C:\mount
\dism.log
```

Example: Adding multiple updates:

```
cmd                                                                    Copy

Dism /Image:"C:\mount\windows" /Add-Package
/PackagePath="C:\WindowsUpdates\windows10.0-kb00001-x64.msu"
/PackagePath="C:\WindowsUpdates\windows10.0-kb00002-x64.msu"
/PackagePath="C:\WindowsUpdates\windows10.0-kb00003-x64.msu"
/LogPath=C:\mount\dism.log
```

3. Verify that the packages appear correctly:

On a mounted or offline image:

```
cmd                                                                    Copy

Dism /image:<path_to_image> /Get-Packages
```

On a running Windows installation:

```
cmd                                                                    Copy

Dism /online /Get-Packages
```

Review the resulting list of packages and verify that the list contains the package.
For example:

```
cmd                                                                    Copy

Package Identity :
Package_for_RollupFix~31bf3856ad364e35~amd64~~15063.250.1.1
State : Installed
Release Type : Security Update
Install Time : 04/29/2017 6:26 PM
```

```
The operation completed successfully.
```

4. If you're finished updating a mounted image, you can unmount it, committing changes. For running Windows installations, you may have to restart the PC.

Notes

- **Add languages before updates.** If you add a language later, you'll need to re-add the updates.
- **Add updates before apps**. These apps include universal Windows apps and desktop applications. If you add an update later, you'll need to re-add the apps.
- **For updates, update the recovery image too**: We'll show you how to update these later in Deploy Push-button reset features.
- **If a Servicing Stack Update (SSU) is available, you must install it** before applying the latest cumulative update (LCU).

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Toolkit reference - Microsoft Deployment Toolkit

Reference details for Microsoft Deployment Toolkit (MDT)

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