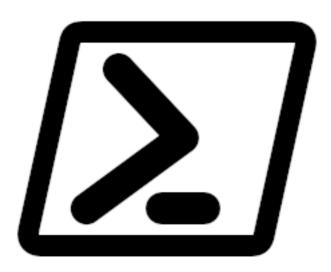
The Powershell Book Generator



PowerShell with Dism

The PowerShell Book Genrator - Andreas Nick 2019

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Cmdlet: Add-AppxProvisionedPackage

Synops

Adds an app package (.appx) that will install for each new user to a Windows image.

Syntax

```
Add-AppxProvisionedPackage [-CustomDataPath <String>]
    [-DependencyPackagePath <String[]>] [-FolderPath <String>] [-
LicensePath
    <String>] [-LogLevel {Errors | Warnings | WarningsInfo}] [-
    <String>] [-PackagePath <String>] [-ScratchDirectory
<String>]
    [-SkipLicense] [-SystemDrive <String>] [-WindowsDirectory
<String>]
    -Online [<CommonParameters>]
Add-AppxProvisionedPackage [-CustomDataPath <String>]
    [-DependencyPackagePath <String[]>] [-FolderPath <String>] [-
LicensePath
    <String>] [-LogLevel {Errors | Warnings | WarningsInfo}] [-
LogPath
    <String>] [-PackagePath <String>] [-ScratchDirectory
<String>]
    [-SkipLicense] [-SystemDrive <String>] [-WindowsDirectory
<String>] -Path
    <String> [<CommonParameters>]
```

Description

The Add-AppxProvisionedPackage cmdlet adds an app package (.appx) that will install for each new user to a Windows image. If the package has dependencies that are architecture-specific, you must install the applicable architectures for the dependency on the target image. For example, you must install the x86 dependency on the x86 image.

You cannot install an app package (.appx) on an operating system that does not support Windows® 8 apps. Apps are not supported on Server Core installations of Windows Server® 2012, Windows® Preinstallation Environment (Windows PE) 4.0, or on any

versions of Windows older than Windows 8 and Windows Server 2012.

To install and run apps on Windows Server 2012, you must install the Desktop Experience.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows image.

Use the PackagePath, DependencyPackagePath, and LicensePath parameters to specify the location of all the files that are needed to add the provisioned app package (.appx). Use these parameters to provision line-of-business apps.

Use the FolderPath parameter to specify the location of a folder of unpacked app package (.appx) files that includes any dependency packages and a license file.

To add an app package (.appx) for a particular user, or to test a package while developing your app, use the Add-AppxPackage cmdlet instead.

For more information, including requirements for app package provisioning, see Sideload Apps with DISM (http://go.microsoft.com/fwlink/?LinkID=231020) and How to develop an OEM app that uses a custom file (http://go.microsoft.com/fwlink/?LinkID=279989) in the TechNet Library..

Parameters

Parameter: Custom Data Path

Description: Specifies the location of a custom data file. The custom data file will be renamed custom. data and saved in the app data store.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: DependencyPackagePath

Description: Specifies the location of a dependency package.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: FolderPath

Description: Specifies a folder of unpacked app package files containing a main package and any dependency packages. This folder must also contain your application license.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LicensePath

Description: Specifies the location of the .xml file containing your application license.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description: Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low

as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: PackagePath

Description: Specifies the location of the app package (.appx) to add to the Windows image. This package will be added for every new user account. To add an app package (.appx) for a particular user or to test a package while developing your app, use the Add-AppxPackage cmdlet instead.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root

directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: SkipLicense

Description :Adds an app package without a license file.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.AppxPackageObject

Outputs

Type: Microsoft.Dism.Commands.ImageObject

Examples

Example 1: Add an app package to the running operating system

This command adds the app package, dependency packages, and license file from the c:\Appx folder to the running Windows operating system. The package will be installed for the current user and any new user account created on the computer.

PS C:\>Add-AppxProvisionedPackage -Online -FolderPath "c:\Appx"

Example 2: Add an app package an operating system image

This command adds the app package, myPackage.appx, to the Windows image mounted

to c:\offline.

PS C:\>Add-AppxProvisionedPackage -Path c:\offline -PackagePath c:\Appx\myPackage.appx -DependencyPath c:\Appx\dependency1\dependencyPackage.appx -LicensePath c:\Appx\myLicense.xml

Cmdlet: Add-AppxProvisionedPackage

Synops

Adds an app package (.appx) that will install for each new user to a Windows image.

Syntax

```
Add-AppxProvisionedPackage [-CustomDataPath <String>]
    [-DependencyPackagePath <String[]>] [-FolderPath <String>] [-
LicensePath
    <String>] [-LogLevel {Errors | Warnings | WarningsInfo}] [-
LogPath
    <String>] [-PackagePath <String>] [-ScratchDirectory
<String>]
    [-SkipLicense] [-SystemDrive <String>] [-WindowsDirectory
<String>]
    -Online [<CommonParameters>]
   Add-AppxProvisionedPackage [-CustomDataPath <String>]
    [-DependencyPackagePath <String[]>] [-FolderPath <String>] [-
LicensePath
    <String>] [-LogLevel {Errors | Warnings | WarningsInfo}] [-
LogPath
    <String>] [-PackagePath <String>] [-ScratchDirectory
<String>]
    [-SkipLicense] [-SystemDrive <String>] [-WindowsDirectory
<String>] -Path
    <String> [<CommonParameters>]
```

Description

The Add-AppxProvisionedPackage cmdlet adds an app package (.appx) that will install for each new user to a Windows image. If the package has dependencies that are architecture-specific, you must install the applicable architectures for the dependency on the target image. For example, you must install the x86 dependency on the x86 image.

You cannot install an app package (.appx) on an operating system that does not support Windows® 8 apps. Apps are not supported on Server Core installations of Windows Server® 2012, Windows® Preinstallation Environment (Windows PE) 4.0, or on any versions of Windows older than Windows 8 and Windows Server 2012.

To install and run apps on Windows Server 2012, you must install the Desktop

Experience.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows image.

Use the PackagePath, DependencyPackagePath, and LicensePath parameters to specify the location of all the files that are needed to add the provisioned app package (.appx). Use these parameters to provision line-of-business apps.

Use the FolderPath parameter to specify the location of a folder of unpacked app package (.appx) files that includes any dependency packages and a license file.

To add an app package (.appx) for a particular user, or to test a package while developing your app, use the Add-AppxPackage cmdlet instead.

For more information, including requirements for app package provisioning, see Sideload Apps with DISM (http://go.microsoft.com/fwlink/?LinkID=231020) and How to develop an OEM app that uses a custom file (http://go.microsoft.com/fwlink/?LinkID=279989) in the TechNet Library..

Parameters

Parameter: Custom Data Path

Description: Specifies the location of a custom data file. The custom data file will be renamed custom. data and saved in the app data store.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: DependencyPackagePath

Description: Specifies the location of a dependency package.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: FolderPath

Description: Specifies a folder of unpacked app package files containing a main package and any dependency packages. This folder must also contain your application license.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LicensePath

Description: Specifies the location of the .xml file containing your application license.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the

log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: PackagePath

Description: Specifies the location of the app package (.appx) to add to the Windows image. This package will be added for every new user account. To add an app package (.appx) for a particular user or to test a package while developing your app, use the Add-AppxPackage cmdlet instead.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: SkipLicense

Description :Adds an app package without a license file.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false	
Integalied	lidioc	l

Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Microsoft.Dism.Commands.AppxPackageObject

Outputs

Type: Microsoft.Dism.Commands.ImageObject

Examples

Example 1: Add an app package to the running operating system

This command adds the app package, dependency packages, and license file from the c:\Appx folder to the running Windows operating system. The package will be installed for the current user and any new user account created on the computer.

PS C:\>Add-AppxProvisionedPackage -Online -FolderPath "c:\Appx"

Example 2: Add an app package an operating system image

This command adds the app package, myPackage.appx, to the Windows image mounted to c:\offline.

PS C:\>Add-AppxProvisionedPackage -Path c:\offline -PackagePath c:\Appx\myPackage.appx -DependencyPath c:\Appx\dependency1\dependencyPackage.appx -LicensePath c:\Appx\myLicense.xml

Cmdlet: Add-WindowsCapability

Synops

Installs a Windows capability package on the specified operating system image.

Syntax

```
Add-WindowsCapability [-LimitAccess] [-LogLevel {Errors |
Warnings |
    WarningsInfo}] [-LogPath <String>] [-ScratchDirectory
<String>] [-Source
    <String[]>] [-SystemDrive <String>] [-WindowsDirectory
<String>] -Name
    <String> -Online [<CommonParameters>]

Add-WindowsCapability [-LimitAccess] [-LogLevel {Errors |
Warnings |
    WarningsInfo}] [-LogPath <String>] [-ScratchDirectory
<String>] [-Source
    <String[]>] [-SystemDrive <String>] [-WindowsDirectory
<String>] -Name
    <String> -Path <String> [<CommonParameters>]
```

Description

The Add-WindowsCapability cmdlet acquires a Windows capability package from a priority-ordered list of source locations, and then installs the package on the specified operating system image.

Parameters

Parameter: LimitAccess

Description: Indicates that this cmdlet does not access Windows Update for the source package.

Required	false
Position	named
Default value	none

Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter :LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Name

Description: Specifies the identity of the capability to add to an operating system image.

Required	true
----------	------

Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Indicates that the cmdlet operates on a running operating system on the local host.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named

Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Source

Description: Specifies the location of the files that are required to add a Windows capability package to an image. You can specify the Windows directory of a mounted image or a running Windows installation that is shared on the network.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type:

Outputs

Type: Microsoft.Dism.Commands.ImageObject

Examples

Example 1: Add a Windows capability package to an image

This command adds a Windows capability package to the operating system image specified by the Name parameter at the path C:\offline. The Source parameter specifies the location of required files.

```
PS C:\>Add-WindowsCapability -Name
"Language.TextToSpeech~~~fr-FR~0.0.1.0" -Path "C:\offline" -
Source "C:\Windows\winsxs"
```

Example 2: Add a Windows capability package to the local host

This command adds a windows capabilities package the local host while the operating system continues to run.

```
PS C:\>Add-WindowsCapability -Name
"Language.TextToSpeech~~~fr-FR~0.0.1.0" -Online -LimitAccess -
Source "C:\Windows\winsxs"
```

Cmdlet: Add-WindowsDriver

Synops

Adds a driver to an offline Windows image.

Syntax

Description

The Add-WindowsDriver cmdlet adds third-party driver packages to an offline Windows image.

Use the Path parameter to specify the location of a mounted Windows image.

Use the Driver parameter to specify the location of an .inf driver file or a folder containing one or more .inf driver files.

Use the ForceUnsigned parameter to add unsigned .inf files to an x64-based image.

Parameters

Parameter: Advanced Driver Object

Description: Specifies an object containing detailed information about the driver you want to add. This can be piped from the output of Export-WindowsDriver or Get-WindowsDriver.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

Parameter: Basic Driver Object

Description: Provides an object containing basic information about the driver you want to add. This can be piped from the output of Export-WindowsDriver or Get-WindowsDriver.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

Parameter: Driver

Description: Specifies the .inf file or folder containing the .inf files of the drivers you want to add. When you specify a folder, .inf files that are not valid driver packages are ignored. These files are reported on the console when the command runs, and a warning is included in the log file. You will not receive an error message.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ForceUnsigned

Description :Adds unsigned drivers to an x64 image. The ForceUnsigned parameter overrides the requirement that drivers that are installed on X64-based computers must have a digital signature. For more information about driver signing requirements, see Windows Deployment Options (http://go.microsoft.com/fwlink/?LinkId=214574) in the TechNet Library.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

- 1 = Errors only
- 2 = Errors and warnings
- 3 = Errors, warnings, and information
- 4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Recurse

Description :Includes all subfolders when searching for drivers to add.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject
Microsoft.Dism.Commands.BasicDriverObject

Microsoft. Dism. Commands. Advanced Driver Object

Outputs

Type: Microsoft.Dism.Commands.BasicDriverObject

Microsoft.Dism.Commands.ImageObject

Examples

Example 1: Add drivers to an image

This command adds any drivers in the c:\test\drivers folder or any of its subdirectories to the Windows operating system image that is mounted to c:\offline.

```
PS C:\>Add-WindowsDriver -Path "c:\offline" -Driver "c:\test\drivers" -Recurse
```

Example 2: Add an unsigned driver package

This command adds the unsigned driver package, Usb.inf, to the Windows image that is mounted to c:\offline.

```
PS C:\>Add-WindowsDriver -Path "c:\offline" -Driver "c:\test\drivers\Usb\inf" -ForceUnsigned
```

Cmdlet: Add-WindowsImage

Synops

Adds an additional image to an existing image (.wim) file.

Syntax

Description

The Add-WindowsImage cmdlet adds an additional image to an existing image (.wim) file. Add-WindowsImage compares new files to the resources in the existing .wim file, specified by the Name parameter and the ImagePath parameter, and stores only a single copy of each unique file so that each file is only captured once. The .wim file can have only one assigned compression type. Therefore, you can only append files with the same compression type.

The Add-WindowsImage cmdlet does not apply to virtual hard disk (VHD) files.

It's important to note that you'll need to ensure you have enough disk space before you run Add-WindowsImage. If you run out of disk space while the image is being appended, you might corrupt the .wim file.

Parameters

Parameter: CapturePath

Description: Specifies the path to the location of the new files that will be compared to the resources in the existing .wim file.

Required	true
Position	named

Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: CheckIntegrity

Description: Detects and tracks. wim file corruption when used with the Add—WindowsImage, Dismount-WindowsImage or Save-WindowsImage cmdlet. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Expand-WindowsImage or Mount-WindowsImage cmdlet.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ConfigFilePath

Description: Specifies the location of a configuration file that lists exclusions for image capture and compress commands. For more information, see DISM Configuration List and WimScrit.ini Files, http://go.microsoft.com/fwlink/?LinkID=313768.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Description

Description :Specifies the description of the image to be captured.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ImagePath

Description :Specifies the location of the WIM file containing the Windows image you want to compare against the new files.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Name

Description : Specifies the name of an image in a WIM file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : NoRpFix

Description: Disables the reparse point tag fix. A reparse point is a file that contains a link to another file on the file system. If the parameter is not specified, reparse points that resolve to paths outside of the value specified by the ImagePath parameter will not be captured.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Setbootable

Description: Marks a volume image as being a bootable image. This argument is available only for Windows PE images. Only one volume image can be marked as bootable in a .wim file.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Verify

Description: Checks for errors and file duplication.

During an apply operation, for example, using the Add-WindowsImage cmdlet, the size and the hash of the file being applied are checked against the image file to verify they are both equal.

During a capture operation, for example, when using the New-WindowsImage cmdlet, after the files is captured into a Windows image, the file is written to a temporary file and compared on a bit-by-bit basis with the original file.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: WIMBoot

Description: Specifies that the offline image to be added will be formatted to install on a Windows Image Format Boot (WIMBoot) system.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

 $\label{thm:commands:mageObject} Type: System. String[] \ Microsoft. Dism. Commands. ImageObject With State$

Outputs

Type: Microsoft. Dism. Commands. Offline Image Object

Cmdlet: Add-WindowsPackage

Synops

Adds a single .cab or .msu file to a Windows image.

Syntax

```
Add-WindowsPackage [-IgnoreCheck] [-LogLevel {Errors | Warnings |

WarningsInfo}] [-LogPath <String>] [-NoRestart] [-

PreventPending]

[-ScratchDirectory <String>] [-SystemDrive <String>] [-

WindowsDirectory

<String>] -Online -PackagePath <String> [<CommonParameters>]

Add-WindowsPackage [-IgnoreCheck] [-LogLevel {Errors | Warnings |

WarningsInfo}] [-LogPath <String>] [-NoRestart] [-

PreventPending]

[-ScratchDirectory <String>] [-SystemDrive <String>] [-

WindowsDirectory

<String>] -PackagePath <String> -Path <String>
[<CommonParameters>]
```

Description

The Add-WindowsPackage cmdlet installs a specified .cab or .msu package in the image.

Parameters

Parameter: IgnoreCheck

Description: Skips the applicability check for each package.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

- 1 = Errors only
- 2 = Errors and warnings
- 3 = Errors, warnings, and information
- 4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description: Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: NoRestart

Description: Suppresses reboot. If a reboot is not required, this command does nothing. This option will keep the application from prompting for a restart or keep it from restarting automatically.

Required	false
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Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: PackagePath

Description: Specifies the location of the package to add to the image.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: PreventPending

Description :Skips the installation of the package if the package or Windows image has

pending online actions.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This

cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.BasicPackageObject

Microsoft.Dism.Commands.AdvancedPackageObject

Examples

Example 1: Add a package to an online image

This command adds a .cab package to an online image.

```
PS C:\>Add-WindowsPackage -Online -PackagePath
"c:\packages\package.cab"
```

Example 2: Add a file to a mounted image

This command adds an .msu file to a mounted Windows image unless there are pending actions on the package or the image.

```
PS C:\>Add-WindowsPackage -Path "c:\offline" -PackagePath "c:\packages\demo_package.msu" -PreventPending
```

Example 3: Add several packages to a mounted image

This command adds all of the packages in a folder to a mounted Windows image without checking if they are applicable to the image.

```
PS C:\>Add-WindowsPackage -Path "c:\offline" -PackagePath "c:\packages" -IgnoreCheck
```

Cmdlet: Use-WindowsUnattend

Synops

Applies an unattended answer file to a Windows image.

Syntax

Description

The Use-WindowsUnattend cmdlet applies an unattended answer file (Unattend.xml) to a Windows image.

If you are updating device drivers using an unattended answer file, you must apply the answer file to an offline image and specify the settings in the offlineServicing configuration pass.

If you are updating packages or other settings using an unattended answer file, you can apply the answer file to an offline or online image. Specify the settings in the offlineServicing configuration pass.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

```
1 = Errors only
```

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: NoRestart

Description: Suppresses reboot. If a reboot is not required, this command does nothing. This option will keep the application from prompting for a restart or keep it from restarting automatically.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ScratchDirectory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: UnattendPath

Description: Specifies the location of the unattend.xml answer file to apply to the image.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Examples

Example 1: Apply an answer file to a mounted image

This command applies an answer file, myunattend.xml, to the Windows image that is

mounted to c:\offline.

PS C:\>Use-WindowsUnattend -Path "c:\offline" -UnattendPath "c:\test\answerfiles\myunattend.xml"

Example 2: Apply an answer file to the running operating system

This command applies an answer file, myunattend.xml, to the online Windows image.

PS C:\>Use-WindowsUnattend -Online -UnattendPath "c:\test\answerfiles\myunattend.xml"

Cmdlet: Clear-WindowsCorruptMountPoint

Synops

Deletes all of the resources associated with a mounted image that has been corrupted.

Syntax

```
Clear-WindowsCorruptMountPoint [-LogLevel {Errors | Warnings |
          WarningsInfo}] [-LogPath <String>] [-ScratchDirectory
<String>]
      [<CommonParameters>]
```

Description

The Clear-WindowsCorruptMountPoint cmdlet deletes all of the resources associated with a mounted image that has been corrupted.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description: Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved

with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.BasicDismObject

Cmdlet: Disable-WindowsOptionalFeature

Synops

Disables a feature in a Windows image.

Syntax

```
Disable-WindowsOptionalFeature [-LogLevel {Errors | Warnings |
        WarningsInfo}] [-LogPath <String>] [-NoRestart] [-PackageName
<String>]
        [-Remove] [-ScratchDirectory <String>] [-SystemDrive
<String>]
        [-WindowsDirectory <String>] -FeatureName <String[]> -Online
        [<CommonParameters>]

Disable-WindowsOptionalFeature [-LogLevel {Errors | Warnings |
        WarningsInfo}] [-LogPath <String>] [-NoRestart] [-PackageName
<String>]
        [-Remove] [-ScratchDirectory <String>] [-SystemDrive
<String>]
        [-WindowsDirectory <String>] -FeatureName <String[]> -Path
<String>
        [<CommonParameters>]
```

Description

The Disable-WindowsOptionalFeature cmdlet disables or removes an optional feature in a Windows image.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows image.

The PackageName parameter specifies the package that the feature is a component of. This parameter is optional when the package is the Windows Foundation package.

The FeatureName parameter specifies the feature to remove. You can specify more than one feature in the same package. Separate feature names with a comma.

The Remove parameter removes the files for an optional feature without removing the feature's manifest from the image. You can use Remove to reduce the disk space that is

used by a Windows image. After the image has been installed, you can restore the feature at any time from a remote source such as Windows Update or a network share. For more information about Features on Demand, see Configure a Windows Repair Source (http://go.microsoft.com/fwlink/?LinkId=243077) in the TechNet Library.

Parameters

Parameter: FeatureName

Description: Specifies the name of the feature to be disabled. Feature names are case sensitive if you are servicing a Windows image other than Windows® 8 or a later version. You can use Get-WindowsOptionalFeature to find the name of the feature in the image.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description: Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command

together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : NoRestart

Description: Suppresses reboot. If a reboot is not required, this command does nothing. This option will keep the application from prompting for a restart or keep it from restarting automatically.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: PackageName

Description :dep_dism_ps_packagename

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)

Accept wildcard characters?	false
Accept wildcard characters?	liaise

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Remove

Description: Removes the files for an optional feature without removing the feature's manifest from the image. You can use Remove to reduce the disk space that is used by a Windows image. After the image has been installed, you can restore the feature at any time from a remote source such as Windows Update or a network share.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none

Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Microsoft.Dism.Commands.BasicFeatureObject

Microsoft.Dism.Commands.AdvancedFeatureObject

Examples

Example 1: Disable an optional feature

This command disables an optional feature, Hearts, from the running Windows operating system.

PS C:\>Disable-WindowsOptionalFeature -Online -FeatureName "Hearts"

Example 2: Disable a feature in an image

This command disables the optional feature, Calc, in the specified package in the Windows image that is mounted to c:\offline. It also removes all of the files except the manifest file, which reduces the size of the Windows image. The feature can be restored with the Enable-WindowsOptionalFeature cmdlet or by using Features on Demand at any time after the image is deployed.

```
PS C:\>Disable-WindowsOptionalFeature -Path "c:\offline" -FeatureName "Calc" -PackageName "Microsoft.Windows.Calc.Demo~6595b6144ccfldf~x86~en~1.0.0.0" - Remove
```

Cmdlet: Dismount-WindowsImage

Synops

Dismounts a Windows image from the directory it is mapped to.

Syntax

```
Dismount-WindowsImage [-Append] [-CheckIntegrity] [-LogLevel
{Errors |
    Warnings | WarningsInfo}] [-LogPath <String>] [-
ScratchDirectory <String>]
    -Path <String> -Save [<CommonParameters>]

Dismount-WindowsImage [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] -Discard -
Path <String>
    [<CommonParameters>]
```

Description

The Dismount-WindowsImage cmdlet either saves or discards the changes to a Windows image and then dismounts the image.

The Path parameter specifies the location of the mounted Windows image.

The Append parameter specifies the location of an existing .wim file to add the Windows image to when you dismount it instead of overwriting the existing image.

The CheckIntegrity parameter detects and tracks .wim file corruption. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Mount-WindowsImage cmdlet.

The CheckIntegrity and Append parameters do not apply to virtual hard disk (VHD) files.

Parameters

Parameter: Append

Description: Specifies the location of an existing .wim file to add the Windows image to when you dismount it instead of overwriting the existing image.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: CheckIntegrity

Description :Detects and tracks .wim file corruption. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Mount-WindowsImage cmdlet.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Discard

Description: Discards the changes to a Windows image.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)

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Accept wildcard characters?	false
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Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter :Save

Description :Saves the changes to a Windows image.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Microsoft. Dism. Commands. Mounted Image Info Object

Microsoft.Dism.Commands.ImageInfoObject

Cmdlet: Enable-WindowsOptionalFeature

Synops

Enables a feature in a Windows image.

Syntax

```
Enable-WindowsOptionalFeature [-All] [-LimitAccess] [-LogLevel
{Errors |
    Warnings | WarningsInfo}] [-LogPath <String>] [-NoRestart] [-
PackageName
    <String>] [-ScratchDirectory <String>] [-Source <String[]>]
[-SystemDrive
    <String>] [-WindowsDirectory <String>] -FeatureName
<String[]> -Online
    [ < Common Parameters > ]
Enable-WindowsOptionalFeature [-All] [-LimitAccess] [-LogLevel
{Errors |
    Warnings | WarningsInfo}] [-LogPath <String>] [-NoRestart] [-
PackageName
    <String>] [-ScratchDirectory <String>] [-Source <String[]>]
[-SystemDrive
    <String>] [-WindowsDirectory <String>] -FeatureName
<String[]> -Path
    <String> [<CommonParameters>]
```

Description

The Enable-WindowsOptionalFeature cmdlet enables or restores an optional feature in a Windows image.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows image.

The PackageName parameter specifies the package that the feature is a component of. This parameter is optional when the package is the Windows Foundation package.

The FeatureName parameter specifies the feature to add. You can specify more than one feature in the same package. Separate feature names with a comma.

The Source parameter specifies the location of files that are needed to restore a removed feature.

The LimitAccess parameter prevents access to Windows Update as a Source for restoring features to online images. The All parameter enables all parent features of the specified feature before enabling the specified feature. The parent feature will be enabled with default values.

Parameters

Parameter: All

Description: Enables all parent features of the specified feature. If a parent feature is required for the specified feature to be enabled in the image, All will enable the parent and all of its default dependencies.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: FeatureName

Description: Specifies the name of the feature to be enabled. Feature names are case sensitive if you are servicing a Windows image running a version of Windows earlier than Windows® 8. You can use Get-WindowsOptionalFeature to find the name of the feature in the image.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LimitAccess

Description: Prevents DISM from contacting Windows Update when searching for the source files to restore a feature on an online image.

Required	false
Position	named
Default value	none

Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: NoRestart

Description: Suppresses reboot. If a reboot is not required, this command does nothing. This option will keep the application from prompting for a restart or keep it from restarting automatically.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : PackageName

Description:dep_dism_ps_packagename

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Source

Description: Specifies the location of the files that are required to restore a feature that has been removed from the image. You can specify the Windows directory of a mounted image or a running Windows installation that is shared on the network.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.BasicFeatureObject Microsoft.Dism.Commands.AdvancedFeatureObject

Examples

Example 1: Enable an optional feature in the running operating system

This command enables the optional feature, Hearts, the parent feature for Hearts, and the dependencies for the parent feature in the running Windows operating system.

```
PS C:\>Enable-WindowsOptionalFeature -Online -FeatureName "Hearts" -All
```

Example 2: Enable an optional feature in a mounted operating system image

This command enables the optional feature, Calc, in the specified package in the Windows image that is mounted to c:\offline.

```
PS C:\>Enable-WindowsOptionalFeature -Path "c:\offline" -FeatureName "Calc" -PackageName "Microsoft.Windows.Calc.Demo~6595b6144ccfldf~x86~en~1.0.0.0"
```

Example 3: Restore an optional feature

This command restores the optional feature, MyFeature, to the Windows image that is mounted to c:\offline using source files from another Windows image that is mounted to

c:\test\mount. If the files are not found in the source image, this command specifies not to check Windows Update for the source files.

PS C:\>Enable-WindowsOptionalFeature -Online -FeatureName "MyFeature" -Source "c:\test\mount" -LimitAccess

Cmdlet: Expand-WindowsCustomDataImage

Synops

Expands a custom data image.

Syntax

Description

The Expand-WindowsCustomDataImage cmdlet expands a custom data image. Single instance files apply to the operating system partition that is contained in a custom data image in the recovery folder on the device.

Parameters

Parameter: Custom Data Image

Description : Specifies the custom data of a Windows image captured in a WIM container.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: ImagePath

Description : Specifies the location of a WIM file.

Required	true
Position	named
Default value	none

Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter :LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each

operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: SingleInstance

Description: Indicates that this cmdlet changes the custom data files applied on the operating system partition to file pointers backed up by the file payloads in the custom data image.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Cmdlet: Expand-WindowsImage

Synops

Applies an image to a specified location.

Syntax

```
Expand-WindowsImage [-CheckIntegrity] [-Compact] [-
ConfirmTrustedFile]
    [-LogLevel {Errors | Warnings | WarningsInfo}] [-LogPath
<String>]
    [-NoRpFix] [-ScratchDirectory <String>] [-
SplitImageFilePattern <String>]
    [-Verify] [-WIMBoot] -ApplyPath <String> -ImagePath <String>
-Index
    <UInt32> [<CommonParameters>]
Expand-WindowsImage [-CheckIntegrity] [-Compact] [-
ConfirmTrustedFile]
    [-LogLevel {Errors | Warnings | WarningsInfo}] [-LogPath
<String>]
    [-NoRpFix] [-ScratchDirectory <String>] [-
SplitImageFilePattern <String>]
    [-Verify] [-WIMBoot] -ApplyPath <String> -ImagePath <String>
-Name
    <String> [<CommonParameters>]
```

Description

The Expand-WindowsImage cmdlet applies an image to a specified location.

This cmdlet does not apply to virtual hard disk (VHD) files.

Parameters

Parameter: ApplyPath

Description: Specifies the location where the image is to be applied.

Day 1 and	4
Required	true

Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : CheckIntegrity

Description: Detects and tracks. wim file corruption when used with the Add—WindowsImage, Dismount-WindowsImage or Save-WindowsImage cmdlet. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Expand-WindowsImage or Mount-WindowsImage cmdlet.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : Compact

Description: Indicates that this cmdlet applies the operating system image to the specified drive with individual operating system files compressed. If you do not specify this parameter, this cmdlet lays down all of the files in the image without compression.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: ConfirmTrustedFile

Description: Specifies that this cmdlet validates the image for Trusted Desktop on a Windows® 8 or Windows® 8.1. This option can only be run on a computer running at least Windows® Preinstallation Environment (Windows PE) 4.0.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : ImagePath

Description: Specifies the location of a WIM file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Index

Description :Specifies the index number of a Windows image in a WIM or VHD file. For a VHD file, the Index must be 1.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description: Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low

as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Name

Description: Specifies the name of an image in a WIM file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: NoRpFix

Description: Disables the reparse point tag fix. A reparse point is a file that contains a link to another file on the file system. If the parameter is not specified, reparse points that resolve to paths outside of the value specified by the ImagePath parameter will not be captured.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ScratchDirectory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal

value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SplitImageFilePattern

Description: Specifies the location and name of the base split image file.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Verify

Description: Checks for errors and file duplication.

During an apply operation, for example, using the Add-WindowsImage cmdlet, the size and the hash of the file being applied are checked against the image file to verify they are both equal.

During a capture operation, for example, when using the New-WindowsImage cmdlet, after the files is captured into a Windows image, the file is written to a temporary file and compared on a bit-by-bit basis with the original file.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: WIMBoot

Description: Specifies that the offline image to be added will be formatted to install on a

Windows Image Format Boot (WIMBoot) system.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.ImageObjectWithState

Outputs

Type: Microsoft.Dism.Commands.OfflineImageObject

Examples

Example 1: Apply an image in a file to a partion

This command applies an image at index 1 in the c:\imagestore\custom.wim file to partition d:.

```
PS C:\>Expand-WindowsImage -ImagePath
"c:\imagestore\custom.wim" -ApplyPath "d:\" -Index 1
```

Example 2: Apply a split image

This command applies the split image with a name that matches c:\imagestore\split\custom*.swm with a name of Windows Pro to partition d:. Check for errors and file duplication while applying the image.

```
PS C:\>Expand-WindowsImage -ImagePath
"c:\imagestore\split\custom.swm" -SplitImageFilePattern
"c:\imagestore\split\custom*.swm" -ApplyPath "d:\" -Name
"Windows Pro" -Verify
```

Cmdlet: Export-WindowsDriver

Synops

Exports all third-party drivers from a Windows image to a destination folder.

Syntax

Description

The Export-WindowsDriver cmdlet exports all third-party drivers from a Windows image to a destination folder.

Parameters

Parameter: Destination

Description: Specifies a directory the exported third-party drivers will be stored.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

- 1 = Errors only
- 2 = Errors and warnings
- 3 = Errors, warnings, and information
- 4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description: Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named

Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

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rkeauirea	naise	

Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[], Microsoft.Dism.Commands.ImageObject

Outputs

Type: Microsoft.Dism.Commands.AdvancedDriverObject

Examples

Example 1: Export drivers from the running operationg system

This command exports third-party drivers from the running version of Windows.

PS C:\>Export-WindowsDriver -Online -Destination d:\drivers

Example 2: Export drivers from an offline image

This command exports third-party drivers from an offline image mounted at c:\offline-image.

```
PS C:\>Export-WindowsDriver -Path c:\offline-image -
Destination d:\drivers
```

Cmdlet: Export-WindowsImage

Synops

Exports a copy of the specified image to another image file.

Syntax

```
Export-WindowsImage [-CheckIntegrity] [-CompressionType <String>]
    [-DestinationName <String>] [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
Setbootable]
    [-SplitImageFilePattern <String>] [-WIMBoot] -
DestinationImagePath
    <String> -SourceImagePath <String> -SourceIndex <UInt32>
    [ < Common Parameters > ]
Export-WindowsImage [-CheckIntegrity] [-CompressionType <String>]
    [-DestinationName <String>] [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
Setbootable]
    [-SplitImageFilePattern <String>] [-WIMBoot] -
DestinationImagePath
    <String> -SourceImagePath <String> -SourceName <String>
    [ < Common Parameters > ]
```

Description

The Export-WindowsImage cmdlet exports a copy of the specified image to another image file. The source and destination files must use the same compression type.

You can also optimize an image by exporting to a new image file with Export-WindowsImage. When you modify an image, DISM stores additional resource files that increase the overall size of the image. Exporting the image will remove unnecessary resource files.

This cmdlet does not apply to virtual hard disk (VHD) files.

Parameters

Parameter: CheckIntegrity

Description: Detects and tracks. wim file corruption when used with the Add—WindowsImage, Dismount-WindowsImage or Save-WindowsImage cmdlet. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Expand-WindowsImage or Mount-WindowsImage cmdlet.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: CompressionType

Description :dep_dism_ps_compression_type

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: DestinationImagePath

Description: Specifies the location of the exported image file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: DestinationName

Description: Specifies the name of the exported image in the exported image file.

Required	false
Position	named

Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal

value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Setbootable

Description: Marks a volume image as being a bootable image. This argument is available only for Windows PE images. Only one volume image can be marked as bootable in a .wim file.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SourceImagePath

Description: Specifies the location of the source image file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SourceIndex

Description :Specifies the index number of a Windows image in a WIM or VHD file. For a VHD file, the Index must be 1.

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Required	ltru 🗅	
IIVEdallea	llide	

Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SourceName

Description :Specifies the name of the source image in the source image file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SplitImageFilePattern

Description: Specifies the location and name of the base split image file.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: WIMBoot

Description :Specifies that the image will be formatted to install on a Windows image file boot (WIMBoot) system.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

 $Type: System. String[]\ Microsoft. Dism. Commands. Image Object$

Microsoft.Dism.Commands.ImageObjectWithState

Outputs

 $Type: {\bf Microsoft. Dism. Commands. Offline Image Object}$

Cmdlet: Get-AppxProvisionedPackage

Synops

Gets information about app packages (.appx) in an image that will be installed for each new user.

Syntax

```
Get-AppxProvisionedPackage [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
    [-WindowsDirectory <String>] -Online [<CommonParameters>]

Get-AppxProvisionedPackage [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
    [-WindowsDirectory <String>] -Path <String>
[<CommonParameters>]
```

Description

The Get-AppxProvisionedPackage cmdlet gets information about app packages (.appx) in an image that are set to install for each new user. For information about app packages (.appx) that are not provisioned, use the Get-AppxPackage cmdlet instead.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows image.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

```
1 = Errors only
```

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root

directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This

cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Cmdlet: Get-AppxProvisionedPackage

Synops

Gets information about app packages (.appx) in an image that will be installed for each new user.

Syntax

```
Get-AppxProvisionedPackage [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
    [-WindowsDirectory <String>] -Online [<CommonParameters>]

Get-AppxProvisionedPackage [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
    [-WindowsDirectory <String>] -Path <String>
[<CommonParameters>]
```

Description

The Get-AppxProvisionedPackage cmdlet gets information about app packages (.appx) in an image that are set to install for each new user. For information about app packages (.appx) that are not provisioned, use the Get-AppxPackage cmdlet instead.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows image.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

- 1 = Errors only
- 2 = Errors and warnings
- 3 = Errors, warnings, and information
- 4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

 $Type: System. String \hbox{\tt []}\ Microsoft. Dism. Commands. Image Object$

Cmdlet: Get-WIMBootEntry

Synops

Displays the Windows image file boot (WIMBoot) configuration entries for a specified disk volume.

Syntax

Description

The Get-WIMBootEntry cmdlet displays the Windows image file boot (WIMBoot) configuration entries for a specified disk volume.

Parameters

Parameter :LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low

as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description :Specifies the path to the disk volume of the Windows image file boot (WIMBoot) configuration.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type:

Outputs

 $Type: {\tt Microsoft.Dism.Commands.WimBootEntryObject}$

Cmdlet: Get-WindowsCapability

Synops

Gets Windows capabilities for an image or a running operating system.

Syntax

```
Get-WindowsCapability [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-Name <String>] [-ScratchDirectory
<String>]
    [-SystemDrive <String>] [-WindowsDirectory <String>] -Path
<String>
    [<CommonParameters>]

Get-WindowsCapability [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-Name <String>] [-ScratchDirectory
<String>]
    [-SystemDrive <String>] [-WindowsDirectory <String>] -Online
[<CommonParameters>]
```

Description

The Get-WindowsCapability cmdlet gets Windows capabilities installed in an image or running operating system, or available for installation from a remote source.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

```
1 = Errors only
```

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
----------	-------

Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Name

Description: Specifies the identity of the capability in an operating system image to get.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description :Indicates that the cmdlet operates on a running operating system on the local host.

Required	true
Position	named
Default value	none

Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named

Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type:

Outputs

Type: Microsoft.Dism.Commands.ImageObject

Examples

Example 1: Get the Windows capabilities for an image

This command gets the Windows capabilities installed in the operating system image specified by the Name parameter at the path C:\offline.

```
PS C:\>Get-WindowsCapability -Path "C:\offline" -Name "Language.TextToSpeech~~~fr-FR~0.0.1.0"
```

Example 2: Get the Windows capabilities for the local operating system This command gets the Windows capabilities installed on the local host.

PS C:\>Get-WindowsCapability -Online

Cmdlet: Get-WindowsDriver

Synops

Displays information about drivers in a Windows image.

Syntax

Description

The Get-WindowsDriver cmdlet displays information about driver packages in the online or offline Windows image. You can display basic information about all of the drivers in an image, or display detailed information about a specific driver.

Parameters

Parameter: All

Description: Displays information about default drivers. If you do not specify this parameter, only third-party drivers and listed.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)

Accept wildcard characters?	false
Accept whiceard characters:	liaise

Parameter: Driver

Description: Specifies the .inf file or folder containing the .inf files of the drivers you want detailed information about. When you specify a folder, .inf files that are not valid driver packages are ignored.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description: Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false	
Integalied	lidioc	

Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Outputs

Type: Microsoft.Dism.Commands.BasicDriverObject Microsoft.Dism.Commands.AdvancedDriverObject

Examples

Example 1: Gets all drivers in an online image

This command gets all of the drivers in an online Windows image.

```
PS C:\>Get-WindowsDriver -Online -All
```

Example 2: Gets third-party drivers in a mounted image

This command gets the third-party drivers in a mounted Windows image.

```
PS C:\>Get-WindowsDriver -Path "c:\offline"
```

Example 3: Get details about a driver in a mounted image

This command gets detailed information about the OEM1.inf driver in a mounted Windows image.

```
PS C:\>Get-WindowsDriver -Path "c:\offline" -Driver "OEM1.inf"
```

Example 4: Get details about a driver in a specified location in a mounted image

This command gets detailed information about the Usb.inf driver in a mounted Windows image.

```
PS C:\>Get-WindowsDriver -Path "c:\offline" -Driver "c:\drivers\Usb\inf"
```

Cmdlet: Get-WindowsEdition

Synops

Gets edition information about a Windows image.

Syntax

```
Get-WindowsEdition [-LogLevel {Errors | Warnings | WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
    [-Target] [-WindowsDirectory <String>] -Online
[<CommonParameters>]

Get-WindowsEdition [-LogLevel {Errors | Warnings | WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
    [-Target] [-WindowsDirectory <String>] -Path <String>
[<CommonParameters>]
```

Description

The Get-WindowsEdition cmdlet gets the current editions of the specified Windows image.

The Target parameter gets the target editions available in the specified Windows image.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows image.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

```
1 = Errors only
```

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root

directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Target

Description: Displays a list of Windows editions that an image can be changed to.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Examples

Example 1: Display the current edition of the operating system

This command displays the name of the current edition of the running Windows operating system.

PS C:\>Get-WindowsEdition -Online

Example 2: Display the target editions for a mounted image

This command displays the names of the available target editions that the mounted Windows image at c:\offline can be changed to.

PS C:\>Get-WindowsEdition -Path "c:\offline" -Target

Cmdlet: Get-WindowsImage

Synops

Gets information about a Windows image in a WIM or VHD file.

Syntax

```
Get-WindowsImage [-LogLevel {Errors | Warnings | WarningsInfo}]
[-LogPath
    <String>] [-ScratchDirectory <String>] -ImagePath <String>
    [ < Common Parameters > ]
Get-WindowsImage [-LogLevel {Errors | Warnings | WarningsInfo}]
[-LogPath
    <String>] [-ScratchDirectory <String>] -ImagePath <String> -
Name <String>
    [ < Common Parameters > ]
Get-WindowsImage [-LogLevel {Errors | Warnings | WarningsInfo}]
[-LogPath
    <String>] [-ScratchDirectory <String>] -ImagePath <String> -
Index <UInt32>
    [ < Common Parameters > ]
Get-WindowsImage [-LogLevel {Errors | Warnings | WarningsInfo}]
[-LogPath
    <String>] [-ScratchDirectory <String>] -Mounted
[<CommonParameters>]
```

Description

The Get-WindowsImage cmdlet gets information about a Windows image in a WIM or VHD file.

Use the Mounted parameter to get information about any Windows images that are mapped to directories on the local computer.

Use the ImagePath parameter to get information about images in a specific WIM or VHD

file.

Use the Index or Name parameter to get detailed information about a specific image in a WIM or VHD file. For a VHD file, the Index must be 1.

Parameters

Parameter : ImagePath

Description: Specifies the location of a WIM or VHD file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Index

Description :Specifies the index number of a Windows image in a WIM or VHD file. For a VHD file, the Index must be 1.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Mounted

Description :Gets information, including the mount path, for all images mapped to a directories on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Name

Description: Specifies the name of an image in a WIM or VHD file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Outputs

Type: Microsoft.Dism.Commands.ImageInfoObject
Microsoft.Dism.Commands.MountedImageInfoObject
Microsoft.Dism.Commands.WimImageInfoObject
Microsoft.Dism.Commands.BasicImageInfoObject

Examples

Example 1: Get information about all mounted images

This command gets information, including mount path, about all of the Windows images mounted on the local computer.

PS C:\>Get-WindowsImage -Mounted

Example 2: Get information about a specific mounted image

This command gets detailed information about the Windows image named "Ultimate" in the install.wim file at c:\imagestore.

PS C:\>Get-WindowsImage -ImagePath "c:\imagestore\install.wim" -Name Ultimate

Example 3: Get information about a specific image

This command gets basic information about the Windows image in the install.vhd file at c:\imagestore.

PS C:\>Get-WindowsImage -ImagePath "c:\imagestore\install.vhd"

Cmdlet: Get-WindowsImageContent

Synops

Displays a list of the files and folders in a specified image.

Syntax

```
Get-WindowsImageContent [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] -ImagePath
<String>
        -Index <UInt32> [<CommonParameters>]

Get-WindowsImageContent [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] -ImagePath
<String> -Name
        <String> [<CommonParameters>]
```

Description

The Get-WindowsImageContent cmdlet displays a list of the files and folders in a specified image.

This cmdlet does not apply to virtual hard disk (VHD) files.

Parameters

Parameter: ImagePath

Description: Specifies the location of a WIM file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Index

Description :Specifies the index number of a Windows image in a WIM or VHD file. For a VHD file, the Index must be 1.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Name

Description: Specifies the name of an image in a WIM file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Microsoft.Dism.Commands.ImageObjectWithState

Outputs

Type: System.String[]

Examples

Example 1: List files and folders for an image

This command lists the files and folders in the first image in c:\imagestore\install.wim.

PS C:\>Get-WindowsImageContent -ImagePath
"c:\imagestore\install.wim" -Index 1

Example 2: List files and folders for a named image

This command lists the files and folders in the image named Windows Pro that is located in c:\imagestore\install.wim.

PS C:\>Get-WindowsImageContent -ImagePath
"c:\imagestore\install.wim" -Name "Windows Pro"

Cmdlet: Get-WindowsOptionalFeature

Synops

Gets information about optional features in a Windows image.

Syntax

Description

The Get-WindowsOptionalFeature cmdlet gets information about all features (operating system features that include optional Windows foundation features) in the Windows Foundation Package or a specified package in the Windows image.

Use the PackageName or PackagePath parameter to get information about all features in a specific package in the Windows image.

The FeatureName parameter gets more detailed information about a specific feature in the Windows image. If the feature is not a part of the Windows Foundation package, either a PackageName or PackagePath parameter must be used to specify the parent package of the feature.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows

image.

Parameters

Parameter: FeatureName

Description: Specifies the name of a feature to get detailed information about. Feature names are case sensitive if you are servicing a Windows image other than Windows 8.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: PackageName

Description: Specifies the name of a package as it is listed in the Windows image. Use the PackageName parameter to get all of the features in the package. Use the FeatureName and PackageName parameters to get more detailed information about a specific feature in the package.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: PackagePath

Description: Specifies the location of a .cab file in the Windows image. Use the PackagePath parameter to get all of the features in the package. Use the FeatureName and PackagePath parameters to get more detailed information about a specific feature in the package.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)

Accept wildcard characters?	false
Accept wildcard characters?	liaise

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none

Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Outputs

Type: Microsoft.Dism.Commands.BasicFeatureObject Microsoft.Dism.Commands.AdvancedFeatureObject

Examples

Example 1: Lists optional features in the running operating system

This command lists all of the optional features in the running Windows operating system.

PS C:\>Get-WindowsOptionalFeature -Online

Example 2: Lists optional features in a package in a mounted image

This command displays lists all of the optional features in the specified package in the Windows image mounted to c:\offline.

PS C:\>Get-WindowsOptionalFeature -Path "c:\offline" -PackageName "Microsoft-Windows-Backup-Package~31bf3856ad364e35~x86~~6.1.7601.16525"

Example 3: Get details about a feature in a mounted image

This command displays detailed information about the feature, Hearts, in the Windows Foundation Package in the Windows image mounted to c:\offline.

```
PS C:\>Get-WindowsOptionalFeature -Path "c:\offline" -FeatureName Hearts
```

Example 4: Gets details about a feature in a specified package in a mounted image This command displays detailed information about the feature, MyFeature, in the package at c:\package\package.cab in the Windows image mounted to c:\offline.

```
PS C:\>Get-WindowsOptionalFeature -Path "c:\offline" -FeatureName "MyFeature" -PackagePath "c:\packages\package.cab"
```

Cmdlet: Get-WindowsPackage

Synops

Gets information about packages in a Windows image.

Syntax

Description

The Get-WindowsPackage cmdlet gets information about all packages in a Windows image or about a specific package that is provided as a .cab file.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows image.

Use either the PackageName or PackagePath parameter to get more detailed information about a specific package in the Windows image such as whether the package can be installed completely offline without booting the image.

You cannot use this command to obtain detailed package information for .msu files, only .cab files.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

- 1 = Errors only
- 2 = Errors and warnings
- 3 = Errors, warnings, and information
- 4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)

Accept wildcard characters?	false
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Parameter: PackageName

Description: Specifies the name of a package as it is listed in the Windows image. Use the PackageName parameter to get more detailed information about a specific package in the Windows image, such as whether the package can be installed completely offline without booting the image.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: PackagePath

Description: Specifies the location of a .cab file in the Windows image. Use the PackagePath parameter to get more detailed information about a specific package in the Windows image, such as whether the package can be installed completely offline without booting the image.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Outputs

Type: Microsoft.Dism.Commands.BasicPackageObject Microsoft.Dism.Commands.AdvancedPackageObject

Examples

Example 1: Lists packages in a mounted image

This command lists all of the packages in the Windows image that is mounted to c:\offline.

```
PS C:\>Get-WindowsPackage -Path "c:\offline"
```

Example 2: Lists details about a package in a mounted image

This command displays detailed information about the specified package in the Windows image that is mounted to c:\offline.

```
PS C:\>Get-WindowsPackage -Path "c:\offline" -PackageName "Microsoft-Windows-Backup-Package~31bf3856ad364e35~x86~~6.1.7601.16525"
```

Cmdlet: Mount-WindowsImage

Synops

Mounts a Windows image in a WIM or VHD file to a directory on the local computer.

Syntax

```
Mount-WindowsImage [-CheckIntegrity] [-LogLevel {Errors |
Warnings |
    WarningsInfo] [-LogPath <String>] [-Optimize] [-ReadOnly]
    [-ScratchDirectory <String>] -ImagePath <String> -Index
<UInt32> -Path
    <String> [<CommonParameters>]
Mount-WindowsImage [-CheckIntegrity] [-LogLevel {Errors |
Warnings |
    WarningsInfo] [-LogPath <String>] [-Optimize] [-ReadOnly]
    [-ScratchDirectory <String>] -ImagePath <String> -Name
<String> -Path
    <String> [<CommonParameters>]
Mount-WindowsImage [-LogLevel {Errors | Warnings | WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] -Path
<String> -Remount
    [ < CommonParameters > ]
```

Description

The Mount-WindowsImage cmdlet maps a Windows image in a WIM or VHD file to the specified directory so that it is accessible for servicing.

The Path parameter specifies the location where you want to mount the Windows image.

The ImagePath parameter specifies the location of the WIM or VHD file containing the Windows image you want to mount.

Use the Index or Name parameter to specify which image in a WIM or VHD file that you want to mount. For a VHD file, the Index must be 1.

The Optimize parameter reduces the amount of time it takes to initially mount the image. However, processes that are ordinarily performed during a mount will instead be completed the first time that you access a directory. As a result, there may be an increase in the time that is required to access a directory for the first time after mounting an image using the Optimize parameter.

The Remount parameter mounts an image in a WIM or VHD file that was already mounted at the specified Path, but has become inaccessible for servicing.

The CheckIntegrity parameter detects and tracks .wim file corruption. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Mount-WindowsImage cmdlet.

The CheckIntegrity parameter does not apply to virtual hard disk (VHD) files.

Parameters

Parameter: CheckIntegrity

Description: Detects and tracks .wim file corruption when used with the Dismount-WindowsImage or Save-WindowsImage cmdlet. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Mount-WindowsImage cmdlet. The CheckIntegrity parameter does not apply to virtual hard disk (VHD) files.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ImagePath

Description :Specifies the location of the WIM or VHD file containing the Windows image you want to mount.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Index

Description :Specifies the index number of a Windows image in a WIM or VHD file. For a VHD file, the Index must be 1.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Name

Description: Specifies the name of an image in a WIM or VHD file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Optimize

Description: Reduces the amount of time it takes to initially mount the image. However, processes that are ordinarily performed during a mount will instead be completed the first time that you access a directory. As a result, there may be an increase in the time that is required to access a directory for the first time after mounting an image using the Optimize parameter.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description :Specifies the location on your local computer where you want to mount the Windows image.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ReadOnly

Description: Specifies that the image should be mounted with read-only permissions.

Required	false
Position	named

Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Remount

Description: Mounts an image in a WIM or VHD file that was already mounted at the specified Path, but has become inaccessible for servicing.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Microsoft.Dism.Commands.ImageInfoObject

Examples

Example 1: Mount an image from the install.vhd file to a directory

This command mounts the Windows image contained in the install.vhd file to the c:\offline

directory.

```
PS C:\>Mount-WindowsImage -ImagePath
"c:\imagestore\install.vhd" -Index 1 -Path "c:\offline"
```

Example 2: Mount an image at an index of a file with read-only privileges

This command mounts the Windows image at index 2 of the install.wim file to the c:\offline ddirectory with read-only privileges.

```
PS C:\>Mount-WindowsImage -ImagePath
"c:\imagestore\install.wim" -Index 2 -Path "c:\offline"
-ReadOnly
```

Example 3: Mount an image at an index of a file

This command mounts the Windows image at index 2 of the install.wim file to the c:\offline directory with a quicker initial mount time. Additional operations may be slower.

```
PS C:\>Mount-WindowsImage -ImagePath
"c:\imagestore\install.wim" -Index 2 -Path "c:\offline"
-Optimize
```

Example 4: Remounts an image previously mounted to a directory that is inaccessible This command remounts a Windows image that has already been mounted to the c:\offline directory but has become inaccessible for servicing.

```
PS C:\>Mount-WindowsImage -Path "c:\offline" -Remount
```

Cmdlet: New-WindowsCustomImage

Synops

Captures an image of customized or serviced Windows components on a Windows Image File Boot (WIMBoot) configured device.

Syntax

Description

The New-WindowsCustomImage cmdlet captures image customizations into a new WIM file on a Windows Image File Boot (WIMBoot) system.

Captured directories include all subfolders and data.

You cannot capture an empty directory.

Note: This command only captures customization files.

The command cannot be used to capture installation files into a new WIM.

Parameters

Parameter : Capture Path

Description : Specifies the drive or path to the Windows operating system that is to be captured to an image file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: CheckIntegrity

Description: Detects and tracks. wim file corruption when used with the Add—WindowsImage, Dismount-WindowsImage or Save-WindowsImage cmdlet. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Expand-WindowsImage or Mount-WindowsImage cmdlet.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ConfigFilePath

Description: Specifies the location of a configuration file that lists exclusions for image capture and compress commands. For more information, see DISM Configuration List and WimScrit.ini Files, http://go.microsoft.com/fwlink/?LinkID=313768.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description: Specifies the full path and file name to log to. If not set, the default is

%WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Verify

Description: Checks for errors and file duplication.

During an apply operation, for example, using the Add-WindowsImage cmdlet, the size and the hash of the file being applied are checked against the image file to verify they are both equal.

During a capture operation, for example, when using the New-WindowsImage cmdlet, after the files is captured into a Windows image, the file is written to a temporary file and compared on a bit-by-bit basis with the original file.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type : none

Outputs

 $Type: {\bf Microsoft. Dism. Commands. Image Object}$

Cmdlet: New-WindowsImage

Synops

Captures an image of a drive to a new WIM file.

Syntax

```
New-WindowsImage [-CheckIntegrity] [-CompressionType <String>]
        [-ConfigFilePath <String>] [-Description <String>] [-LogLevel
{Errors |
        Warnings | WarningsInfo}] [-LogPath <String>] [-NoRpFix]
        [-ScratchDirectory <String>] [-Setbootable] [-Verify] [-WIMBoot]
        -CapturePath <String> -ImagePath <String> -Name <String>
        [<CommonParameters>]
```

Description

The New-WindowsImage cmdlet captures an image of a drive to a new WIM file. Captured directories include all subfolders and data. You cannot capture an empty directory. A directory must contain at least one file.

This cmdlet does not apply to virtual hard disk (VHD) files.

Parameters

Parameter: CapturePath

Description :Specifies the drive or path to the Windows operating system that is to be captured to an image file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: CheckIntegrity

Description: Detects and tracks. wim file corruption when used with the Add—WindowsImage, Dismount-WindowsImage or Save-WindowsImage cmdlet.

CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Expand-WindowsImage or Mount-WindowsImage cmdlet.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: CompressionType

Description:dep_dism_ps_compression_type

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ConfigFilePath

Description: Specifies the location of a configuration file that lists exclusions for image capture commands and compress commands. For more information, see DISM Configuration List and WimScript.ini Files, http://go.microsoft.com/fwlink/?LinkID=313768 (http://go.microsoft.com/fwlink/?LinkID=313768) in the TechNet Library.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Description

Description : Specifies the description of the image to be captured.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)

Accept wildcard characters?	false
Accept whiceard characters:	liaise

Parameter: ImagePath

Description: Specifies the location of a WIM file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description: Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

- 1 = Errors only
- 2 = Errors and warnings
- 3 = Errors, warnings, and information
- 4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named

Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Name

Description: Specifies the name of an image in a WIM file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : NoRpFix

Description: Disables the reparse point tag fix. A reparse point is a file that contains a link to another file on the file system. If the parameter is not specified, reparse points that resolve to paths outside of the value specified by the ImagePath parameter will not be captured.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none

Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Setbootable

Description: Marks a volume image as being a bootable image. This argument is available only for Windows PE images. Only one volume image can be marked as bootable in a .wim file.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Verify

Description: Checks for errors and file duplication.

During an apply operation, for example, using the Add-WindowsImage cmdlet, the size and the hash of the file being applied are checked against the image file to verify they are both equal.

During a capture operation, for example, when using the New-WindowsImage cmdlet, after the files is captured into a Windows image, the file is written to a temporary file and compared on a bit-by-bit basis with the original file.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: WIMBoot

Description :Specifies that the image will be formatted to install on a Windows Image Format Boot (WIMBoot) system.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.ImageObjectWithState

Outputs

 $Type: {\bf Microsoft. Dism. Commands. Offline Image Object}$

Cmdlet: Optimize-WindowsImage

Synops

Configures a Windows image with specified optimizations.

Syntax

```
Optimize-WindowsImage [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
    [-WindowsDirectory <String>] -OptimizationTarget <String> -
Path <String>
    [<CommonParameters>]
```

Description

The Optimize-WindowsImage cmdlet performs specified configurations to an offline image.

Optimize-WindowsImage only applies to Windows 8.1 Update images that have been captured or exported as a Windows image file boot (WIMBoot) file. Only use Optimize-WindowsImage with images that will be used for WIMBoot supported systems. If Optimize-WindowsImage is used with a non-WIMBoot supported system image, Windows may not work as expected, after installation on a non-WIMBoot supported device.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none

Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Optimization Target

Description: Specifies the Windows image optimization type. The accepted values are as follows: "WIMBoot". Note: This value must be entered as a string value.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none

Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ScratchDirectory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named

Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: Microsoft. Dism. Commands. Image Object

Outputs

Type: Microsoft. Dism. Commands. Image Object

Cmdlet: Remove-AppxProvisionedPackage

Synops

Removes an app package (.appx) from a Windows image.

Syntax

Description

The Remove-AppxProvisionedPackage cmdlet removes app packages (.appx) from a Windows image. App packages will not be installed when new user accounts are created. Packages will not be removed from existing user accounts. To remove app packages (.appx) that are not provisioned or to remove a package for a particular user only, use Remove-AppxPackage instead.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

- 1 = Errors only
- 2 = Errors and warnings
- 3 = Errors, warnings, and information
- 4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: PackageName

Description :Specifies the name of the app package (.appx) to remove from the Windows image.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.AppxPackageObject

Cmdlet: Remove-AppxProvisionedPackage

Synops

Removes an app package (.appx) from a Windows image.

Syntax

```
Remove-AppxProvisionedPackage [-LogLevel {Errors | Warnings |
    WarningsInfo}] [-LogPath <String>] [-ScratchDirectory
<String>]
    [-SystemDrive <String>] [-WindowsDirectory <String>] -Online
-PackageName
    <String> [<CommonParameters>]

    Remove-AppxProvisionedPackage [-LogLevel {Errors | Warnings |
    WarningsInfo}] [-LogPath <String>] [-ScratchDirectory
<String>]
    [-SystemDrive <String>] [-WindowsDirectory <String>] -
PackageName <String>
        -Path <String> [<CommonParameters>]
```

Description

The Remove-AppxProvisionedPackage cmdlet removes app packages (.appx) from a Windows image. App packages will not be installed when new user accounts are created. Packages will not be removed from existing user accounts. To remove app packages (.appx) that are not provisioned or to remove a package for a particular user only, use Remove-AppxPackage instead.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

- 1 = Errors only
- 2 = Errors and warnings
- 3 = Errors, warnings, and information
- 4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: PackageName

Description :Specifies the name of the app package (.appx) to remove from the Windows image.

Required true

Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.AppxPackageObject

Cmdlet: Remove-WindowsCapability

Synops

Uninstalls a Windows capability package from an image.

Syntax

```
Remove-WindowsCapability [-LogLevel {Errors | Warnings |
WarningsInfo}]
   [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
   [-WindowsDirectory <String>] -Name <String> -Online
[<CommonParameters>]

Remove-WindowsCapability [-LogLevel {Errors | Warnings |
WarningsInfo}]
   [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
   [-WindowsDirectory <String>] -Name <String> -Path <String>
   [<CommonParameters>]
```

Description

The Remove-WindowsCapability cmdlet uninstalls a Windows capability package from the specified image.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

- 1 = Errors only
- 2 = Errors and warnings
- 3 = Errors, warnings, and information
- 4 = All of the information listed previously, plus debug output

Required	false
Position	named

Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Name

Description :Specifies the identity of the capability to remove from an operating system image.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description :Indicates that the cmdlet operates on a running operating system on the local host.

Required	true
Position	named
Default value	none

Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named

Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type:

Outputs

Type: Microsoft.Dism.Commands.ImageObject

Examples

Example 1: Remove Windows capabilities for an image

This command uninstalls the Windows capabilities installed in the operating system image specified by the Name parameter at the path C:\offline.

```
PS C:\>Remove-WindowsCapability -Name
"Language.TextToSpeech~~~fr-FR~0.0.1.0" -Path "C:\offline"
```

Example 2: Remove Windows capabilities for the local operating system

This command uninstalls the Windows capabilities installed on the local host.

```
PS C:\>Remove-WindowsCapability -Name
"Language.TextToSpeech~~~fr-FR~0.0.1.0" -Online
```

Cmdlet: Remove-WindowsDriver

Synops

Removes a driver from an offline Windows image.

Syntax

```
Remove-WindowsDriver [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
    [-WindowsDirectory <String>] -Driver <String> -Path <String>
[ <CommonParameters>]
```

Description

The Remove-WindowsDriver cmdlet removes third-party driver packages from an offline Windows image.

Caution: Removing a boot-critical driver package can make the offline Windows image unbootable.

Parameters

Parameter: Driver

Description: Specifies the .inf file or folder containing the .inf files of the drivers you want to add. When third-party drivers are added to an image, they are named OEM0.inf, OEM1.inf, and so on. You must specify the published name (for example, OEM1.inf) to remove the driver. You cannot remove default drivers.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

- 1 = Errors only
- 2 = Errors and warnings
- 3 = Errors, warnings, and information
- 4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter :LogPath

Description: Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter : System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)

A seemt wildeard sharesters?	foloo
Accept wildcard characters?	raise

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

 ${\bf Microsoft. Dism. Commands. Basic Driver Object}$

Microsoft. Dism. Commands. Advanced Driver Object

Cmdlet: Remove-WindowsImage

Synops

Deletes the specified volume image from a WIM file that has multiple volume images.

Syntax

```
Remove-WindowsImage [-CheckIntegrity] [-LogLevel {Errors |
Warnings |
    WarningsInfo}] [-LogPath <String>] [-ScratchDirectory
<String>] -ImagePath
    <String> -Index <UInt32> [<CommonParameters>]

Remove-WindowsImage [-CheckIntegrity] [-LogLevel {Errors |
Warnings |
    WarningsInfo}] [-LogPath <String>] [-ScratchDirectory
<String>] -ImagePath
    <String> -Name <String> [<CommonParameters>]
```

Description

The Remove-WindowsImage cmdlet deletes the specified volume image from a WIM file that has multiple volume images. This cmdlet deletes only the metadata entries and XML entries. It does not delete the stream data and does not optimize the WIM file.

This command-line option does not apply to virtual hard disk (VHD) files.

Parameters

Parameter: CheckIntegrity

Description: Detects and tracks. wim file corruption when used with the Add—WindowsImage, Dismount-WindowsImage or Save-WindowsImage cmdlet. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Expand-WindowsImage or Mount-WindowsImage cmdlet.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)

Accept wildcard characters?	false
Triboopt Wildoura Orlandotoro.	liai00

Parameter: ImagePath

Description: Specifies the location of a WIM file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Index

Description :Specifies the index number of a Windows image in a WIM or VHD file. For a VHD file, the Index must be 1.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description : Specifies the full path and file name to log to. If not set, the default is

%WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Name

Description: Specifies the name of an image in a WIM file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.ImageObjectWithState

Outputs

Type: Microsoft.Dism.Commands.ImageObject

Examples

Example 1: Remove the first image from a WIM file

This command removes the first image in c:\imagestore\custom.wim.

```
PS C:\>Remove-WindowsImage -ImagePath
"c:\imagestore\custom.wim" -Index 1 -CheckIntegrity
```

Example 2: Remove an image from a WIM file by name

This command removes the image named Starter that is located in c:\imagestore\custom.wim.

```
PS C:\>Remove-WindowsImage -ImagePath
"c:\imagestore\custom.wim" -Name "Starter" -CheckIntegrity
```

Cmdlet: Remove-WindowsPackage

Synops

Removes a package from a Windows image.

Syntax

Description

The Remove-WindowsPackage cmdlet removes a specified .cab file package from the image. Only .cab files can be specified. You cannot use this command to remove .msu files.

Using this command to remove a package from an offline image will not reduce the image size.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

```
1 = Errors only
```

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: NoRestart

Description: Suppresses reboot. If a reboot is not required, this command does nothing. This option will keep the application from prompting for a restart or keep it from restarting automatically.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: PackageName

Description:dep_dism_ps_packagename

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: PackagePath

Description :dep_dism_ps_packagepath

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)

Accept wildcard characters?	false
Accept wildcard characters?	liaise

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none

Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject
Microsoft.Dism.Commands.BasicPackageObject
Microsoft.Dism.Commands.AdvancedPackageObject

Examples

Example 1: Remove a package from a running operating system image

This command removes the specified package from the running Windows operating system.

PS C:\>Remove-WindowsPackage -Online -PackageName "Microsoft-Windows-Backup-Package~31bf3856ad364e35~x86~~6.1.7601.16525"

Example 2: Remove a package from a mounted operating system image

This command removes the package at c:\packages\package.cab from the Windows image that is mounted to c:\offline.

PS C:\>Remove-WindowsPackage -Path "c:\offline" -PackagePath "c:\packages\package.cab"

Cmdlet: Repair-WindowsImage

Synops

Repairs a Windows image in a WIM or VHD file.

Syntax

```
Repair-WindowsImage [-CheckHealth] [-LimitAccess] [-LogLevel
{Errors |
    Warnings | WarningsInfo}] [-LogPath <String>] [-NoRestart]
    [-RestoreHealth] [-ScanHealth] [-ScratchDirectory <String>]
[-Source
    <String[]>] [-SystemDrive <String>] [-WindowsDirectory
<String>] -Online
    [<CommonParameters>]

Repair-WindowsImage [-CheckHealth] [-LimitAccess] [-LogLevel
{Errors |
    Warnings | WarningsInfo}] [-LogPath <String>] [-NoRestart]
    [-RestoreHealth] [-ScanHealth] [-ScratchDirectory <String>]
[-Source
    <String[]>] [-SystemDrive <String>] [-WindowsDirectory
<String>] -Path
    <String>] (-CommonParameters>]
```

Description

The Repair-WindowsImage cmdlet repairs a Windows image in a WIM or VHD file.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows image.

The LimitAccess parameter prevents access to Windows Update (WU) as a Source for repairing online images.

The CheckHealth parameter checks whether the image has been flagged as corrupted by a failed process and whether the corruption can be repaired.

The ScanHealth parameter scans the image for component store corruption. This operation will take several minutes.

The RestoreHealth parameter scans the image for component store corruption, and then performs repair operations automatically. This operation will take several minutes.

The Source parameter specifies the location of known good versions of files that can be used for the repair, such as a path to the root directory of a mounted image.

CheckHealth, ScanHealth, RestoreHealth, Source, and LimitAccess can only be used when servicing images that are running at least Windows® 8 or Windows Server® 2012.

Parameters

Parameter: CheckHealth

Description: Checks whether the image has been flagged as corrupted by a failed process and whether the corruption can be repaired.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LimitAccess

Description: Prevents DISM from contacting Windows Update (WU) when searching for the source files to repair an online image.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

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Required	Italse

Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: NoRestart

Description: Suppresses reboot. If a reboot is not required, this command does nothing. This option will keep the application from prompting for a restart or keep it from restarting automatically.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	lfruo	
II Sedalled	IIIUG	

Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: RestoreHealth

Description: Scans the image for component store corruption, and then performs repair operations automatically. This operation will take several minutes.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: ScanHealth

Description :Scans the image for component store corruption. This operation will take several minutes.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Source

Description: Specifies the location of the files that are required to repair an image. You can specify the Windows directory of a mounted image or a running Windows installation that is shared on the network.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.ImageInfoObject

Microsoft.Dism.Commands.MountedImageInfoObject

Examples

Example 1: Scan an image for corruption

This command scans the specified image for component store corruption.

```
PS C:\>Repair-WindowsImage -Path "C:\offline\Mount" - ScanHealth
```

Example 2: Check an image for corruption and whether to repair the image

This command checks whether the specified image has been flagged as corrupted by a failed process and whether the corruption can be repaired.

```
PS C:\>Repair-WindowsImage -Path "C:\offline\Mount" - CheckHealth
```

Example 3: Check an image for corruption and repairs the image

This command scans the specified image for component store corruption, and then performs repair operations automatically.

PS C:\>Repair-WindowsImage -Online -RestoreHealth -Source "C:\Mounted\VHD\Windows\WinSxS", "C:\Windows\TEMP" - LimitAccess

Cmdlet: Save-WindowsImage

Synops

Applies changes made to a mounted image to its WIM or VHD file.

Syntax

```
Save-WindowsImage [-Append] [-CheckIntegrity] [-LogLevel {Errors
|
    Warnings | WarningsInfo}] [-LogPath <String>] [-
ScratchDirectory <String>]
    -Path <String> [<CommonParameters>]
```

Description

The Save-WindowsImage cmdlet applies the servicing changes made to a mounted image to its WIM or VHD file without unmounting it.

The Path parameter specifies the location of the mounted Windows image.

The Append parameter specifies the location of an existing .wim file to add the Windows image to when you save it.

The CheckIntegrity parameter detects and tracks .wim file corruption. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Mount-WindowsImage cmdlet. The CheckIntegrity parameter does not apply to virtual hard disk (VHD) files.

Parameters

Parameter: Append

Description: Indicates that this cmdlet specifies the location of an existing .wim file to add the Windows image to when you save it.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: CheckIntegrity

Description: Indicates that this cmdlet detects and tracks. wim file corruption. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Mount-WindowsImage cmdlet. The CheckIntegrity parameter does not apply to virtual hard disk (VHD) files.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none

Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description :Specifies the full path to the root directory of the offline Windows image that you want to save.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.ImageObjectWithState

Cmdlet: Set-AppXProvisionedDataFile

Synops

Adds custom data into the specified app (.appx) package that has been provisioned in a Windows image.

Syntax

Description

The Set-AppXProvisionedDataFile cmdlet adds custom data into the specified app (.appx) package that has been provisioned in a Windows image. The specified app (.appx) package must already be added to the image prior to adding custom data.

You cannot install an app package (.appx) on an operating system that does not support apps for at least Windows® 8. Apps are not supported on Server Core installations of Windows Server, Windows PE, or on any versions of Windows older than Windows 8 and Windows Server 2012.

To install and run apps on Windows Server, you must install the Desktop Experience.

Use the Online parameter to specify the running operating system on your local computer, or use the Path parameter to specify the location of a mounted Windows image.

Parameters

Parameter: Custom Data Path

Description: Specifies an optional custom data file for an app. You can specify any file name. The file will be renamed to Custom.dat when it is added to the image. If a Custom.dat file already exists, it will be overwritten.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter : PackageName

Description:dep_dism_ps_packagename

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject Microsoft.Dism.Commands.AppxPackageObject

Examples

Example 1: Add a custom data file to an app package for the running operating system This command adds the custom data file, c:\Appx\myCustomData.dat, into the app package, MyAppxPkg, that has been added to the running Windows operating system.

```
PS C:\>Set-AppXProvisionedDataFile -Online -PackageName "MyAppxPkg" -CustomDataPath "c:\Appx\myCustomData.dat"
```

Example 2: Add a custom data file to an app package for a mounted image

This command adds the custom data file, c:\Appx\myCustomData.dat, into the app
package, MyAppxPkg, that has been added to the Windows image mounted to c:\offline.

PS C:\>Set-AppxProvisionedDataFile -Path c:\offline PackageName MyAppxPkg -CustomDataPath c:\Appx\myCustomData.dat

Cmdlet: Set-WindowsEdition

Synops

Changes a Windows image to a higher edition.

Syntax

```
Set-WindowsEdition [-LogLevel {Errors | Warnings | WarningsInfo}]

[-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]

[-WindowsDirectory <String>] -Edition <String> -Path <String>
[<CommonParameters>]
```

Description

The Set-WindowsEdition cmdlet changes a Windows image to a higher edition. Use Get-WindowsEdition with the Target parameter to find which editions are available in an image.

You should not use the Set-WindowsEdition on an image that has already been changed to a higher edition. It is recommended that you use this option on the lowest edition available in the edition family.

You can only change the edition on a running operating system for Windows Server images, not online Windows client images. The ProductKey parameter is required for changing online Server images.

Parameters

Parameter: Edition

Description: Specifies the target edition to change the Windows image to.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none

Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter : Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named

Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

 $Type: System. String[]\ Microsoft. Dism. Commands. Image Object$

Microsoft.Dism.Commands.EditionObject

Cmdlet: Set-WindowsProductKey

Synops

Sets the product key for the Windows image.

Syntax

```
Set-WindowsProductKey [-LogLevel {Errors | Warnings |
WarningsInfo}]
    [-LogPath <String>] [-ScratchDirectory <String>] [-
SystemDrive <String>]
    [-WindowsDirectory <String>] -Path <String> -ProductKey
<String>
    [<CommonParameters>]
```

Description

The Set-WindowsProductKey cmdlet sets the product key for the current Windows Edition in the specified image.

Parameters

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description: Specifies the full path and file name to log to. If not set, the default is

%WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: ProductKey

Description: Specifies the product key to use for the Windows image.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp%

directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: System Drive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Cmdlet: Split-WindowsImage

Synops

Splits an existing .wim file into multiple read-only split .wim files.

Syntax

```
Split-WindowsImage [-CheckIntegrity] [-LogLevel {Errors |
Warnings |
    WarningsInfo}] [-LogPath <String>] [-ScratchDirectory
<String>] -FileSize
    <UInt64> -ImagePath <String> -SplitImagePath <String>
[<CommonParameters>]
```

Description

The Split-WindowsImage cmdlet creates the .swm files in the specified directory, naming each file the same as the specified path_to_swm, but with an appended number. For example, if you set path_to_swm as c:\Data.swm, this option creates a Data.swm file, a Data2.swm file, a Data3.swm file, and so on, defining each portion of the split .wim file and saving it to the C:\ directory.

If a single file is larger than the value specified in the FileSize parameter, one of the split .swm files that results will be larger than the value specified in the FileSize parameter, in order to accommodate the large file.

This cmdlet does not apply to virtual hard disk (VHD) files.

Parameters

Parameter: CheckIntegrity

Description: Detects and tracks. wim file corruption when used with the Add—WindowsImage, Dismount-WindowsImage or Save-WindowsImage cmdlet. CheckIntegrity stops the operation if DISM detects that the .wim file is corrupted when used with the Expand-WindowsImage or Mount-WindowsImage cmdlet.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)

Accept wildcard characters?	false
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Parameter: FileSize

Description: Specifies the maximum size in megabytes (MB) for each created .swm file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: ImagePath

Description: Specifies the location of a WIM file.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SplitImagePath

Description : Specifies the location and the base split image file name.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

 $Type: System. String [] \ Microsoft. Dism. Commands. Image Object$

 ${\bf Microsoft. Dism. Commands. Image Object With State}$

Cmdlet: Update-WIMBootEntry

Synops

Updates the Windows image file boot (WIMBoot) configuration entry, associated with either the specified data source ID, the renamed image file path or the moved image file path.

Syntax

```
Update-WIMBootEntry [-LogLevel {Errors | Warnings |
WarningsInfo}]
   [-LogPath <String>] [-ScratchDirectory <String>] -
DataSourceID <Int64>
   -ImagePath <String> -Path <String> [<CommonParameters>]
```

Description

The Update-WIMBootEntry cmdlet updates the Windows image file boot (WIMBoot) configuration entry, associated with either the specified data source ID, the renamed image file path or the moved image file path.

Parameters

Parameter: DataSourceID

Description :Specifies the data source ID. Use Get-WIMBootEntry to display the data source ID.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: ImagePath

Description: Specifies the full path to the renamed or moved image file.

Required	ltrue	
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Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: LogLevel

Description :Specifies the maximum output level shown in the logs. The default log level is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description : Specifies the path to the disk volume of the WIMBoot configuration.

Required	true
Position	named
Default value	none
Accept pipeline input?	true(ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type:

Outputs

Type: Microsoft.Dism.Commands.BaseDismObject

Cmdlet: Use-WindowsUnattend

Synops

Applies an unattended answer file to a Windows image.

Syntax

Description

The Use-WindowsUnattend cmdlet applies an unattended answer file (Unattend.xml) to a Windows image.

If you are updating device drivers using an unattended answer file, you must apply the answer file to an offline image and specify the settings in the offlineServicing configuration pass.

If you are updating packages or other settings using an unattended answer file, you can apply the answer file to an offline or online image. Specify the settings in the offlineServicing configuration pass.

Parameters

Parameter: LogLevel

Description: Specifies the maximum output level shown in the logs. The default log level

is 3. The accepted values are as follows:

1 = Errors only

2 = Errors and warnings

3 = Errors, warnings, and information

4 = All of the information listed previously, plus debug output

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: LogPath

Description :Specifies the full path and file name to log to. If not set, the default is %WINDIR%\Logs\Dism\dism.log.

In Windows PE, the default directory is the RAMDISK scratch space which can be as low as 32 MB. The log file will automatically be archived. The archived log file will be saved with .bak appended to the file name and a new log file will be generated. Each time the log file is archived the .bak file will be overwritten.

When using a network share that is not joined to a domain, use the net use command together with domain credentials to set access permissions before you set the log path for the DISM log.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: NoRestart

Description: Suppresses reboot. If a reboot is not required, this command does nothing. This option will keep the application from prompting for a restart or keep it from restarting automatically.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Online

Description: Specifies that the action is to be taken on the operating system that is currently running on the local computer.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Path

Description: Specifies the full path to the root directory of the offline Windows image that you will service. If the directory named Windows is not a subdirectory of the root directory, -WindowsDirectory must be specified.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Scratch Directory

Description: Specifies a temporary directory that will be used when extracting files for use during servicing. The directory must exist locally. If not specified, the \Windows\%Temp% directory will be used, with a subdirectory name of a randomly generated hexadecimal value for each run of DISM. Items in the scratch directory are deleted after each operation.

You should not use a network share location as a scratch directory to expand a package (.cab or .msu file) for installation. The directory used for extracting files for temporary usage during servicing should be a local directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: SystemDrive

Description: Specifies the path to the location of the BootMgr files. This is necessary only when the BootMgr files are located on a partition other than the one that you are running the command from. Use -SystemDrive to service an installed Windows image from a Windows PE environment.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: UnattendPath

Description: Specifies the location of the unattend.xml answer file to apply to the image.

Required	true
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter: Windows Directory

Description: Specifies the path to the Windows directory relative to the image path. This cannot be the full path to the Windows directory; it should be a relative path. If not specified, the default is the Windows directory in the root of the offline image directory.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Inputs

Type: System.String[] Microsoft.Dism.Commands.ImageObject

Examples

Example 1: Apply an answer file to a mounted image

This command applies an answer file, myunattend.xml, to the Windows image that is mounted to c:\offline.

```
PS C:\>Use-WindowsUnattend -Path "c:\offline" -UnattendPath "c:\test\answerfiles\myunattend.xml"
```

Example 2: Apply an answer file to the running operating system

This command applies an answer file, myunattend.xml, to the online Windows image.

```
PS C:\>Use-WindowsUnattend -Online -UnattendPath "c:\test\answerfiles\myunattend.xml"
```