

*Endpoint Manager for OS Deployment
V3.1*

MDT Bundle Creator Guide





Note: Before using this information and the product it supports, read the information in Notices.

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Prerequisites

The following includes system requirements and prerequisites for using the MDT Bundle Creator tool:

- Windows 7, Windows 8, Windows Server 2008 R2, Windows Server 2012, Windows Vista Service Pack 2, Windows Server 2008 Service Pack 2, Windows Server 2003 R2, Windows XP Service Pack 3.
- MMC 3.0 is required to run the Workbench and view the documentation on Windows XP. (MMC 3.0 is included in Windows Vista and later)
- MSXML 6.0

Additionally, you need PowerShell to automate the sequence creation steps. This comes with Server 2008 but must be installed on Server 2003. (.Net is required by PowerShell.)

- [PowerShell redistributable](#)

Finally, 7zip is recommended:

- [7zip download](#)

Note: The license for 7-zip is LGPL and can be found [here](#).

When all prerequisites have been met, download and install the following components:

- [Microsoft Deployment Toolkit 2012 Update 1](#)
- [Windows Assessment and Deployment Kit for Windows 8](#)

Note: Prior to installing Windows ADK, ensure that WAIK is not installed. Include the User State Migration tool when installing Windows ADK.

You will also need an ISO file of the installation source for one the following operating systems:

- Windows XP 32-bit
- Windows XP 64-bit
- Windows Vista 32-bit
- Windows Vista 64-bit
- Windows 7 32-bit
- Windows 7 64-bit
- Windows 8 32-bit
- Windows 8 64-bit



Bundle Creation Process

Next, you will use the bundle creator tool to create your deployment bundle.

Create MDT Deployment Bundle

1. Download the appropriate version of the MDT Bundle Creator and unzip the file into a clean directory.
2. Edit the *parameters.ini* configuration file. The *parameters.ini* file is used to specify a target output directory and the locations of prerequisites. For *parameters.ini* options, see the MDT Bundle Creation Options section below.
3. Run the appropriate MDT Bundle Creator for your architecture from within the extracted directory as an Administrator. A *setup.log* file is created in this directory.
4. The bundle creation process takes about 30 to 60 minutes to complete and results in the creation of the MDTBundle folder beneath the directory specified as the target in *parameters.ini*.

MDT Bundle Creation Options

The following sections include a variety of parameters for setting up and customizing your MDT Deployment Bundle:

Note: All section and option names are case-sensitive.

General

This section contains general options.

- **target** – Specifies a directory under which the *MDTBundle* and *DeploymentShare* directories are created. If this directory does not exist, it is created. For example, *C:\BigFix OSD*
- **debug** - Set to 0 to turn off debugging, 1 to turn on light debugging, 2 to turn on high debugging (requires some user interaction)
- **wadklocation** - Specifies the installation directory of the WADK. It is needed to take certain tools and add them to the deployment share. For example, *C:\Program Files\Windows Kits\8.0\Assessment and Deployment Kit*.



- **usmt4x86location** – Specifies files that are necessary to migrate user data from Vista computers. These can be found in a previous installation of Windows AIK.

***Note:** Ensure that you have USMT versions 3, 4, and 5 available prior to deployment. USMT 5 is included in Windows ADK installation, and USMT 3 is downloaded automatically. USMT 4 must be specified here to reimage to Windows Vista.*

Network

The MDT Bundle Creator tool must access the network to download USMT 3.0.1. This section allows you to configure network settings.

- **proxy** - Specifies a proxy. For example, *http://<PROXY_SERVER>:<PORT>*
- **proxyUsername** - If the proxy specified requires authentication, specify the username here.
- **proxyPassword** - If the proxy specified requires authentication, specify the password here.

MDTsources

This section specifies the locations of sources that are used to create the DeploymentShare and MDTBundle. You can add an arbitrary number of media, but only a maximum of one per OS, architecture, and operating system service pack will be included in the resulting MDT Bundle. Windows XP resources are language-specific.

- **media1** - Specifies an install media path. See examples in the parameters.ini file.

WinPECustom

This section allows for advanced customization of the preboot environment that gets generated by this tool. WinPECustom allows custom content to be placed into WinPE and commands executed at the beginning and end of the WinPE sequence.

- **sourcePath** - path that will be copied into the Windows PE
- **destinationFolder** - Windows PE root folder that will contain the custom content
- **preCommand** - optional command to execute before starting
- **postCommand** - optional command to execute before rebooting



Example:

```
sourcePath=C:\customContent  
destinationFolder=customScript  
preCommand=call X:\customScript\prerun.bat  
postCommand=call X:\customScript\postrun.bat
```

These example parameters will copy all the files from C:\customContent so that Windows PE will have them under X:\customScript.

```
call X:\customScript\prerun.bat will be started before task execution.  
call X:\customScript\postrun.bat will be started after task execution.
```

xpMassStoragex86

This section allows Windows XP x86 mass storage drivers to be specified. To deploy Windows XP images onto computers that require mass storage drivers that do not come standard in Windows XP, you must add these drivers to the image at capture time. The drivers specified in this section are automatically installed on Windows XP x86 computers before capturing.

- **location** - A directory containing XP Mass Storage Drivers for x86. Only device IDs applicable to x86 are added. Any others are silently skipped.
- **force** - Forces x64 device IDs to also be added.

xpMassStoragex64

This section allows Windows XP x64 mass storage drivers to be specified. To deploy Windows XP images onto computers that require mass storage drivers that do not come standard in Windows XP, you must add these drivers to the image at capture time. The drivers specified in this section are automatically installed on Windows XP x64 computers before capturing.

- **location** - A directory containing XP Mass Storage Drivers for x64. Only device IDs applicable to x64 will be added. Any others are silently skipped.
- **force** - Forces x86 device IDs to also be added.



Support

Technical support

Below are links to our documentation and online user communities:

- [Endpoint Manager 9.0 Information Center](#)
- [Endpoint Manager Wiki](#)
- [Endpoint Manager User Forum](#)
- [Endpoint Manager Blog](#)
- [Knowledge Base](#)



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