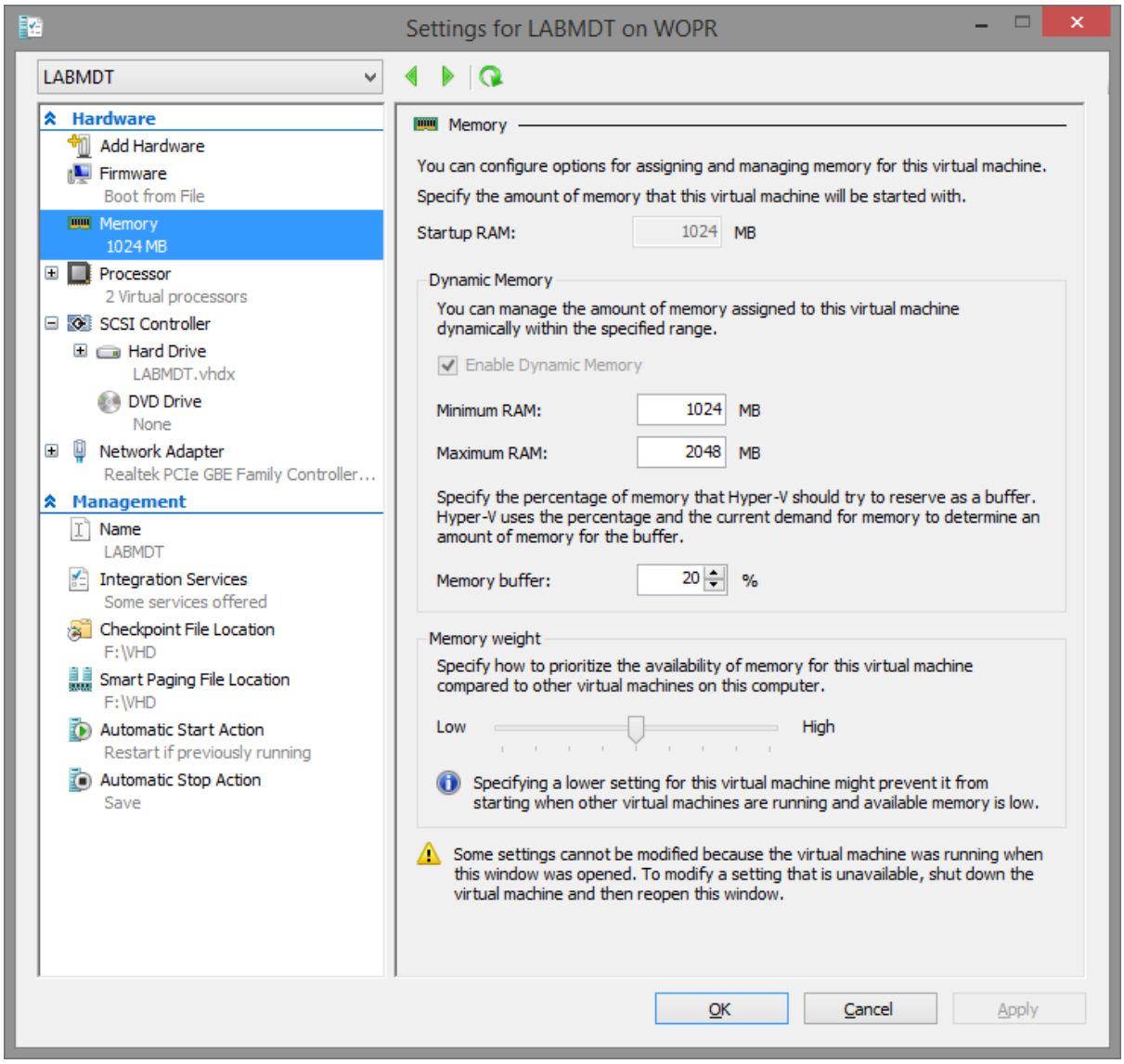
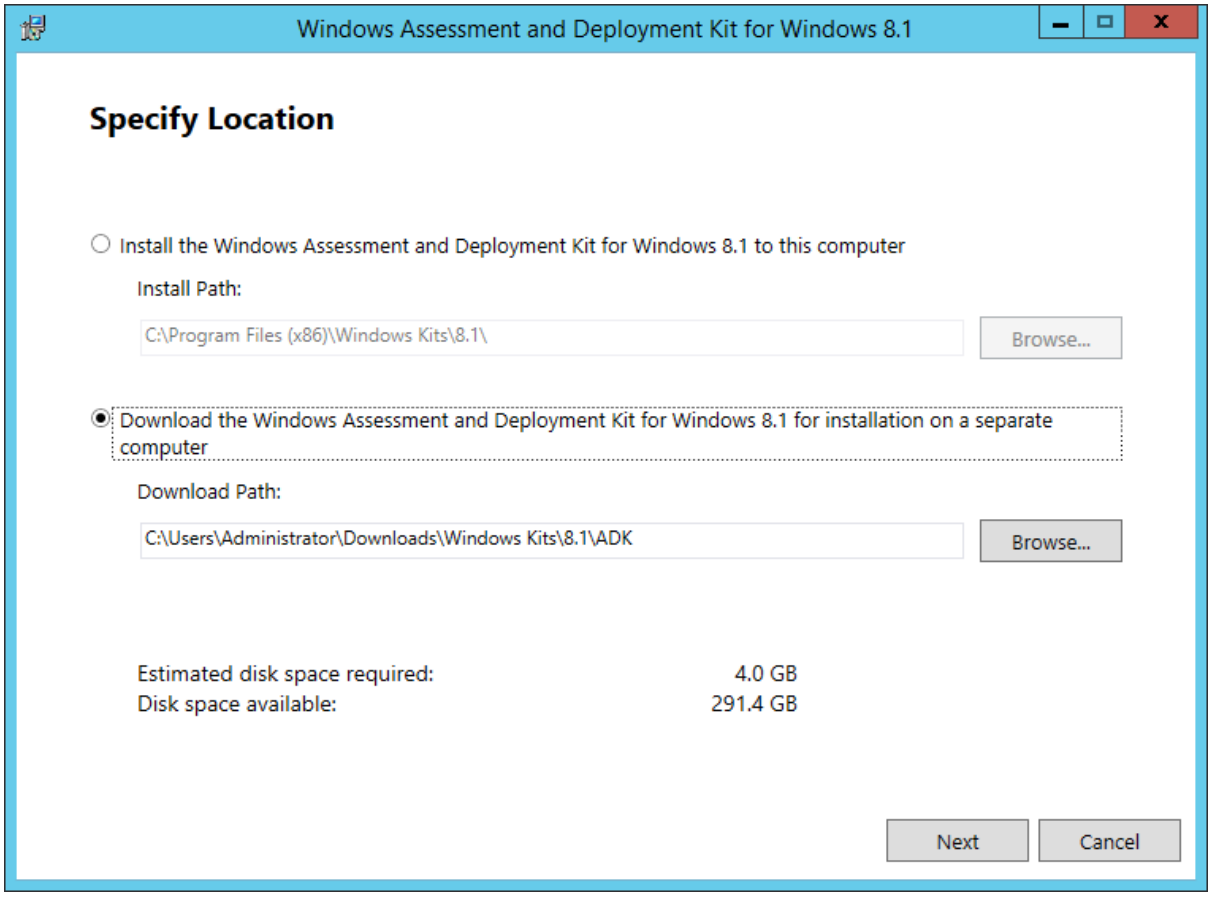
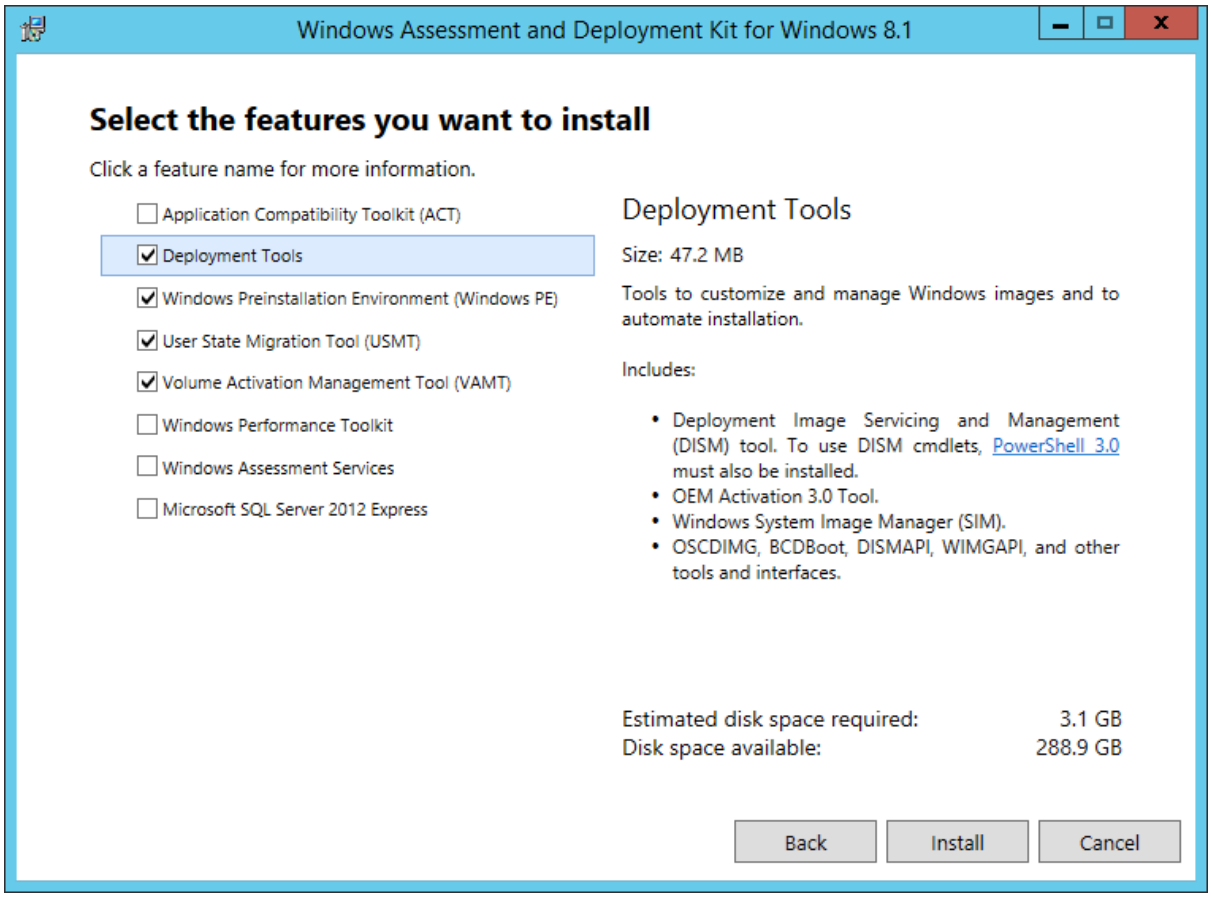
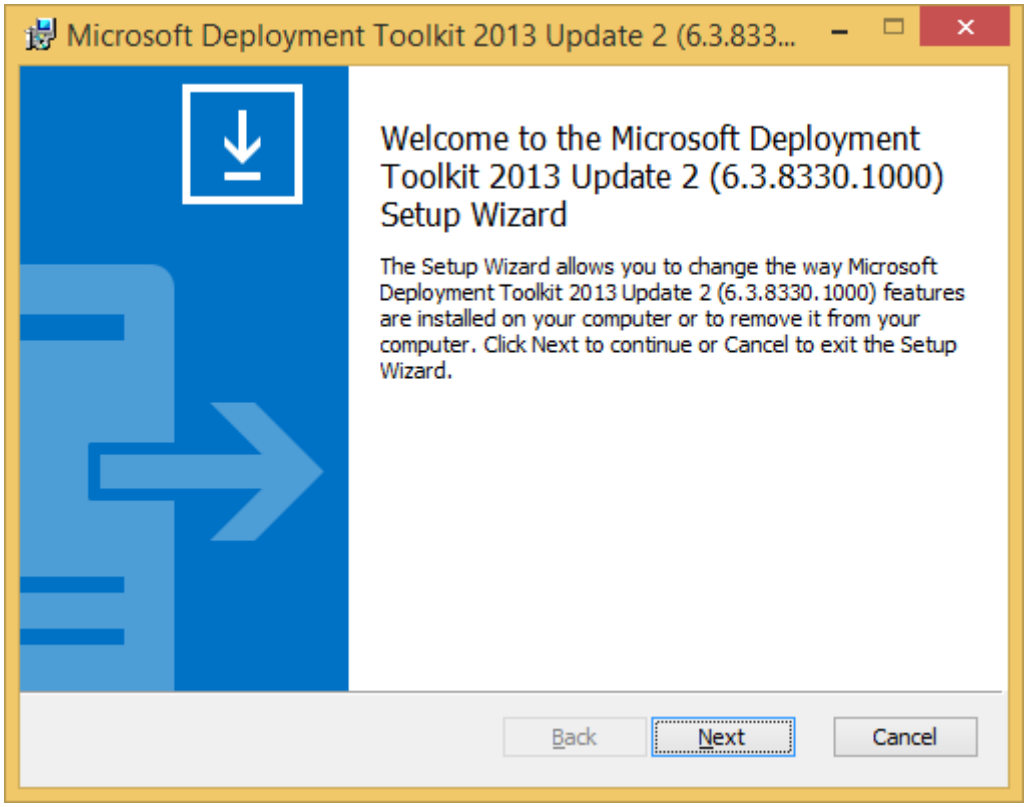
Chapter 2: Setting Up Your Environment

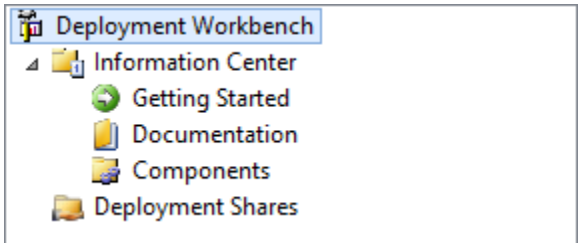


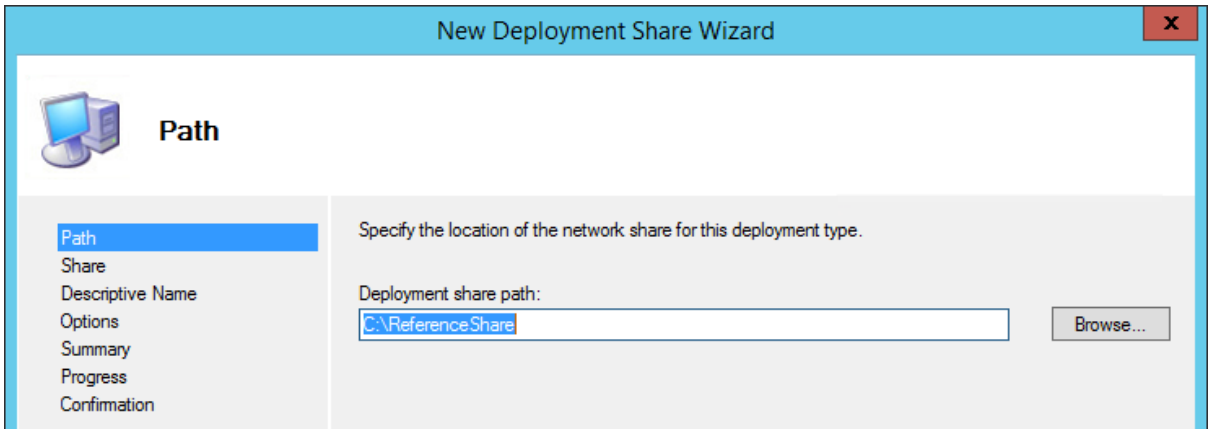

Windows Assessment and Deployment Kit for Windows 8.1
Specify Location
Install the Windows Assessment and Deployment Kit for Windows 8.1 to this computer
Install Path:
C:\Program Files (x86)\Windows Kits\8.1\
Browse...
Download the Windows Assessment and Deployment Kit for Windows 8.1 for installation on a separate computer
Download Path:
C:\Users\Administrator\Downloads\Windows Kits\8.1\ADK
Browse...
Estimated disk space required: 4.0 GB
Disk space available: 291.4 GB
Next
Cancel

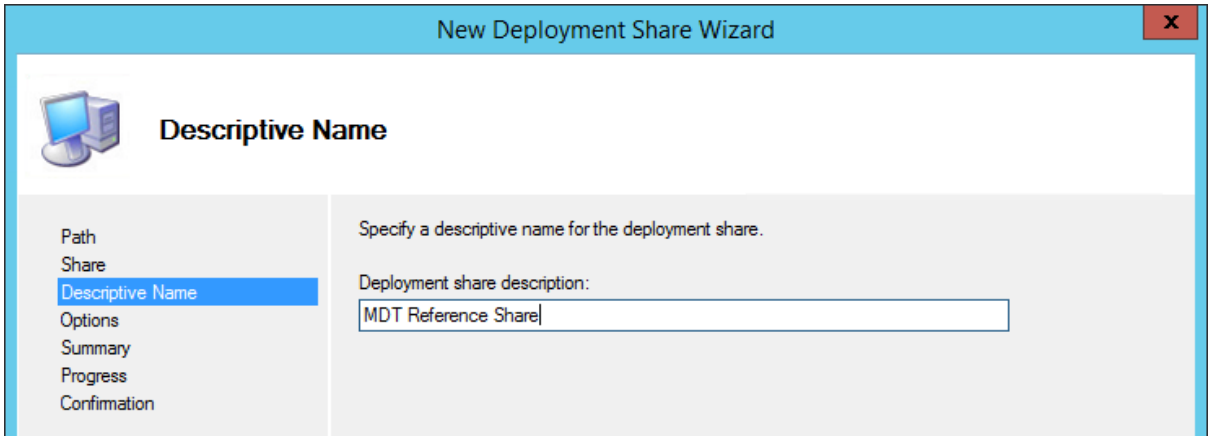

Windows Assessment and Deployment Kit for Windows 8.1
Select the features you want to install
Click a feature name for more information.
Application Compatibility Toolkit (ACT)
Deployment Tools
Windows Preinstallation Environment (Windows PE)
User State Migration Tool (USMT)
Volume Activation Management Tool (VAMT)
Windows Performance Toolkit
Windows Assessment Services
Microsoft SQL Server 2012 Express
Deployment Tools
Size: 47.2 MB
Tools to customize and manage Windows images and to automate installation.
Includes:
Deployment Image Servicing and Management (DISM) tool. To use DISM cmdlets, PowerShell 3.0 must also be installed.
OEM Activation 3.0 Tool.
Windows System Image Manager (SIM).
OSCDIMG, BCDBoot, DISMAPI, WIMGAPI, and other tools and interfaces.
Estimated disk space required: 3.1 GB
Disk space available: 288.9 GB
Back
Install
Cancel

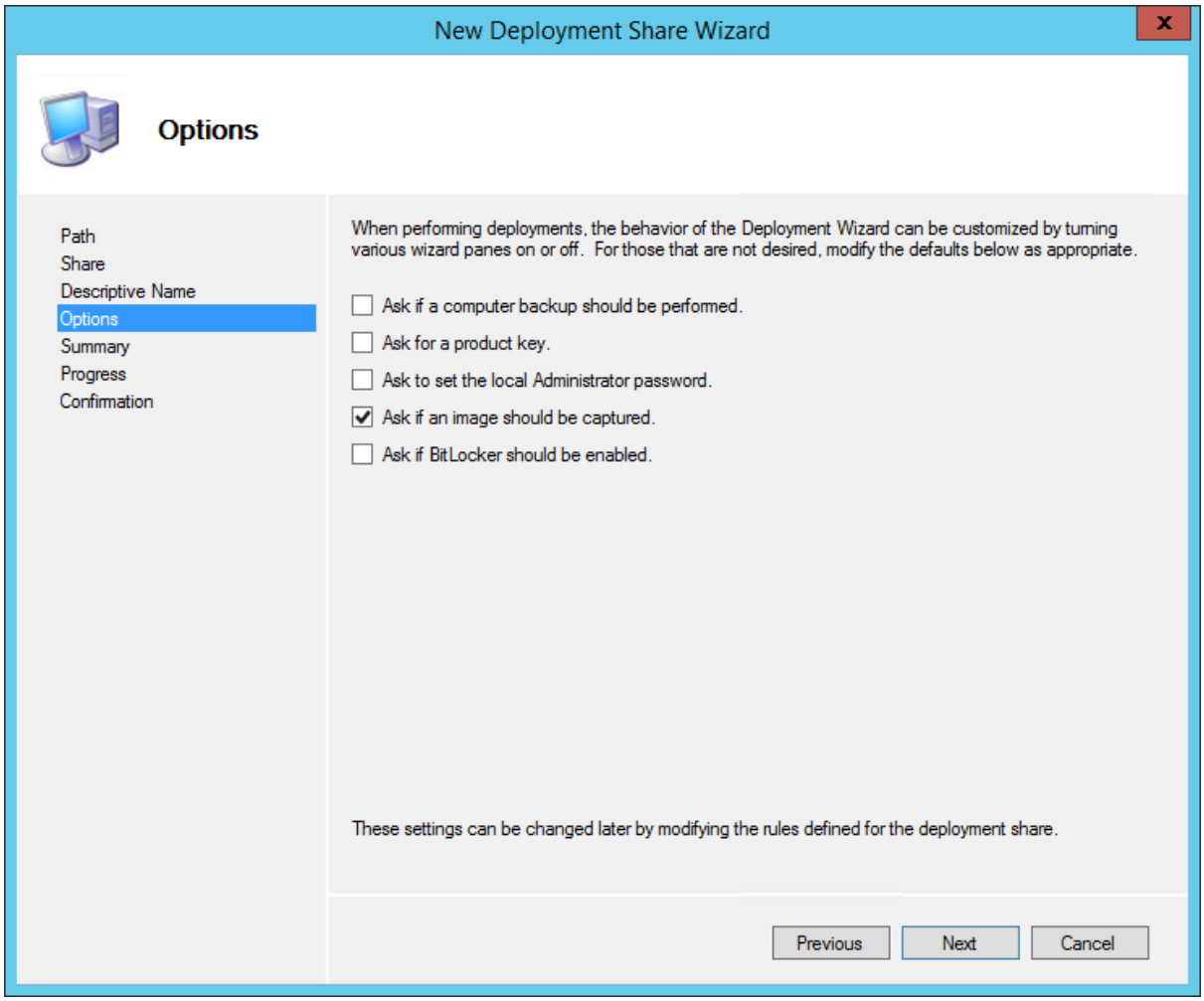

Microsoft Deployment Toolkit 2013 Update 2 (6.3.833...
Welcome to the Microsoft Deployment Toolkit 2013 Update 2 (6.3.8330.1000) Setup Wizard
The Setup Wizard allows you to change the way Microsoft Deployment Toolkit 2013 Update 2 (6.3.8330.1000) features are installed on your computer or to remove it from your computer. Click Next to continue or Cancel to exit the Setup Wizard.
Back
Next
Cancel

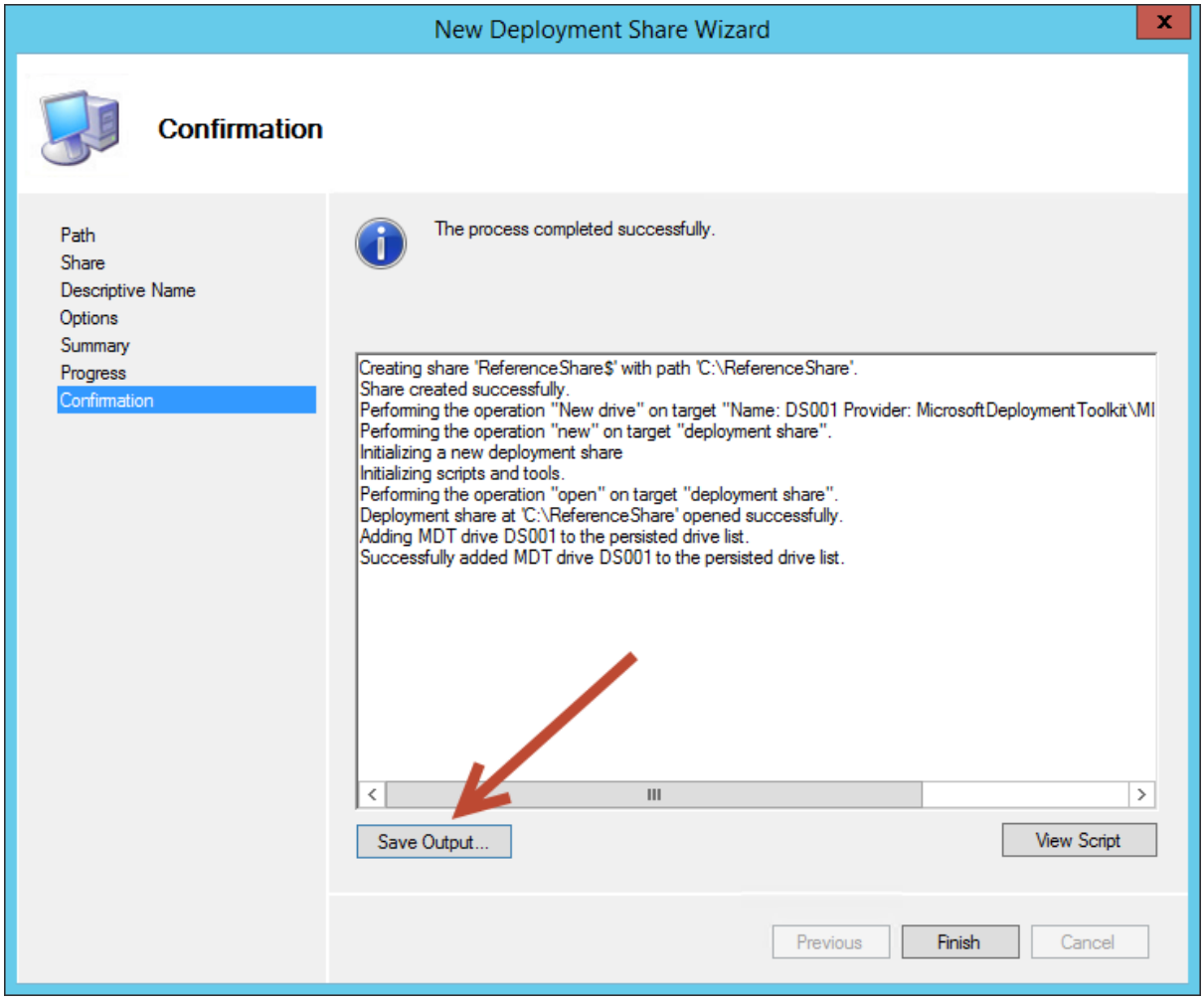
Deployment Workbench

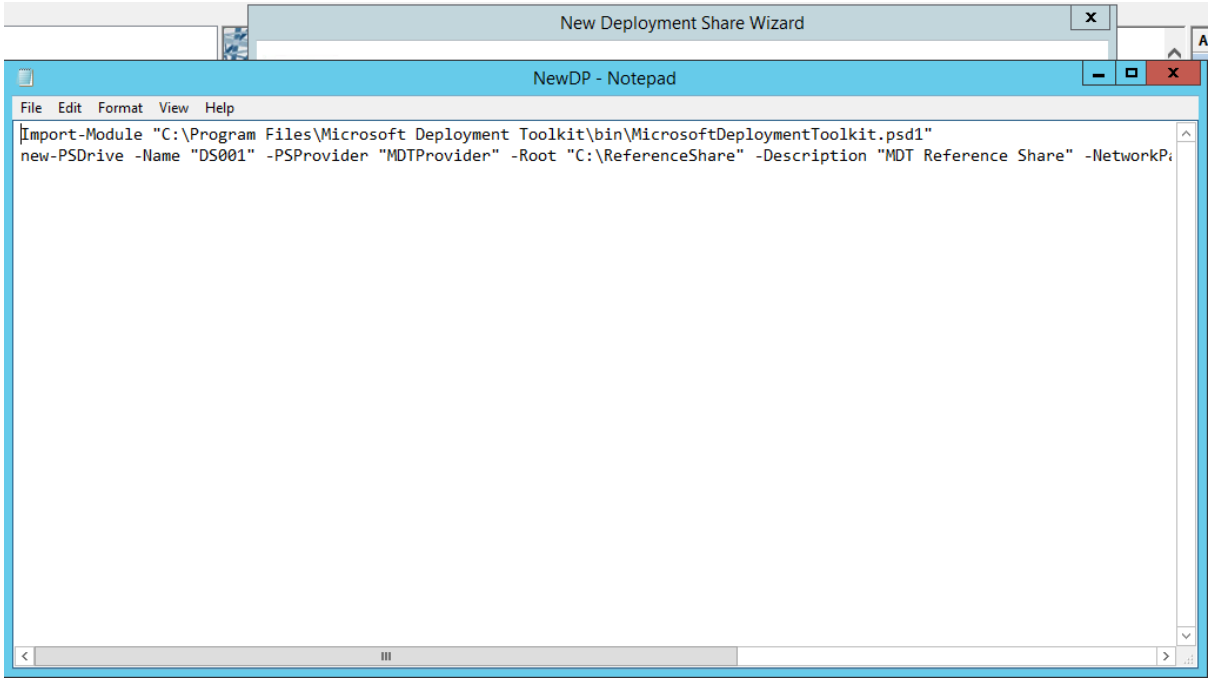

Deployment Workbench
Information Center
Getting Started
Documentation
Components
Deployment Shares

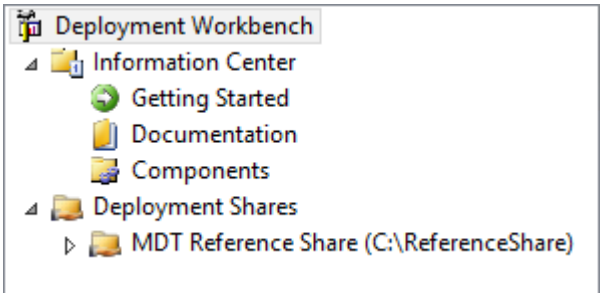

New Deployment Share Wizard
Path
Path
Share
Descriptive Name
Options
Summary
Progress
Confirmation
Specify the location of the network share for this deployment type.
Deployment share path:
C:\ReferenceShare
Browse...

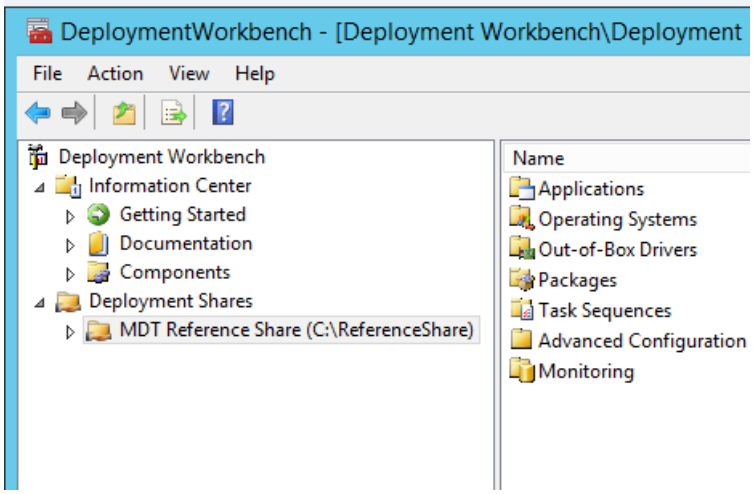

New Deployment Share Wizard
Descriptive Name
Path
Share
Descriptive Name
Options
Summary
Progress
Confirmation
Specify a descriptive name for the deployment share.
Deployment share description:
MDT Reference Share

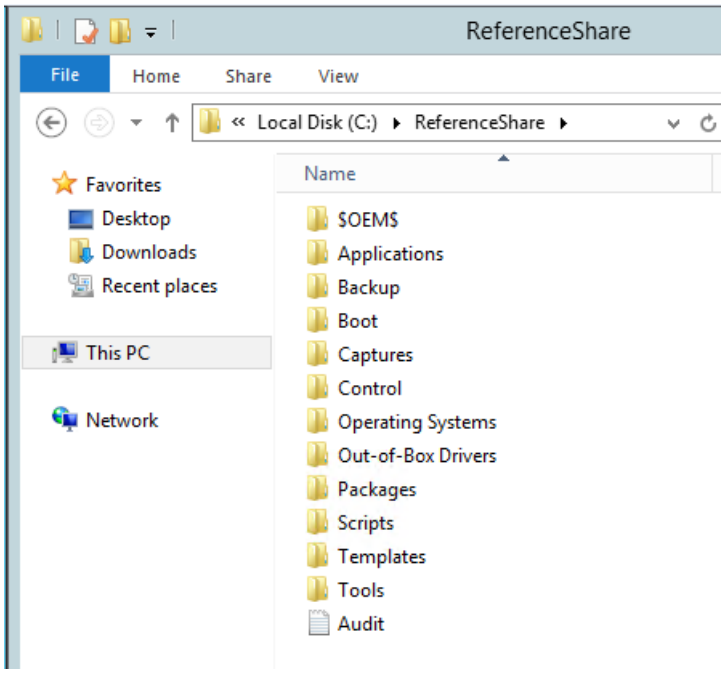

New Deployment Share Wizard
Options
Path
Share
Descriptive Name
Options
Summary
Progress
Confirmation
When performing deployments, the behavior of the Deployment Wizard can be customized by turning various wizard panes on or off. For those that are not desired, modify the defaults below as appropriate.
Ask if a computer backup should be performed.
Ask for a product key.
Ask to set the local Administrator password.
Ask if an image should be captured.
Ask if BitLocker should be enabled.
These settings can be changed later by modifying the rules defined for the deployment share.
Previous
Next
Cancel

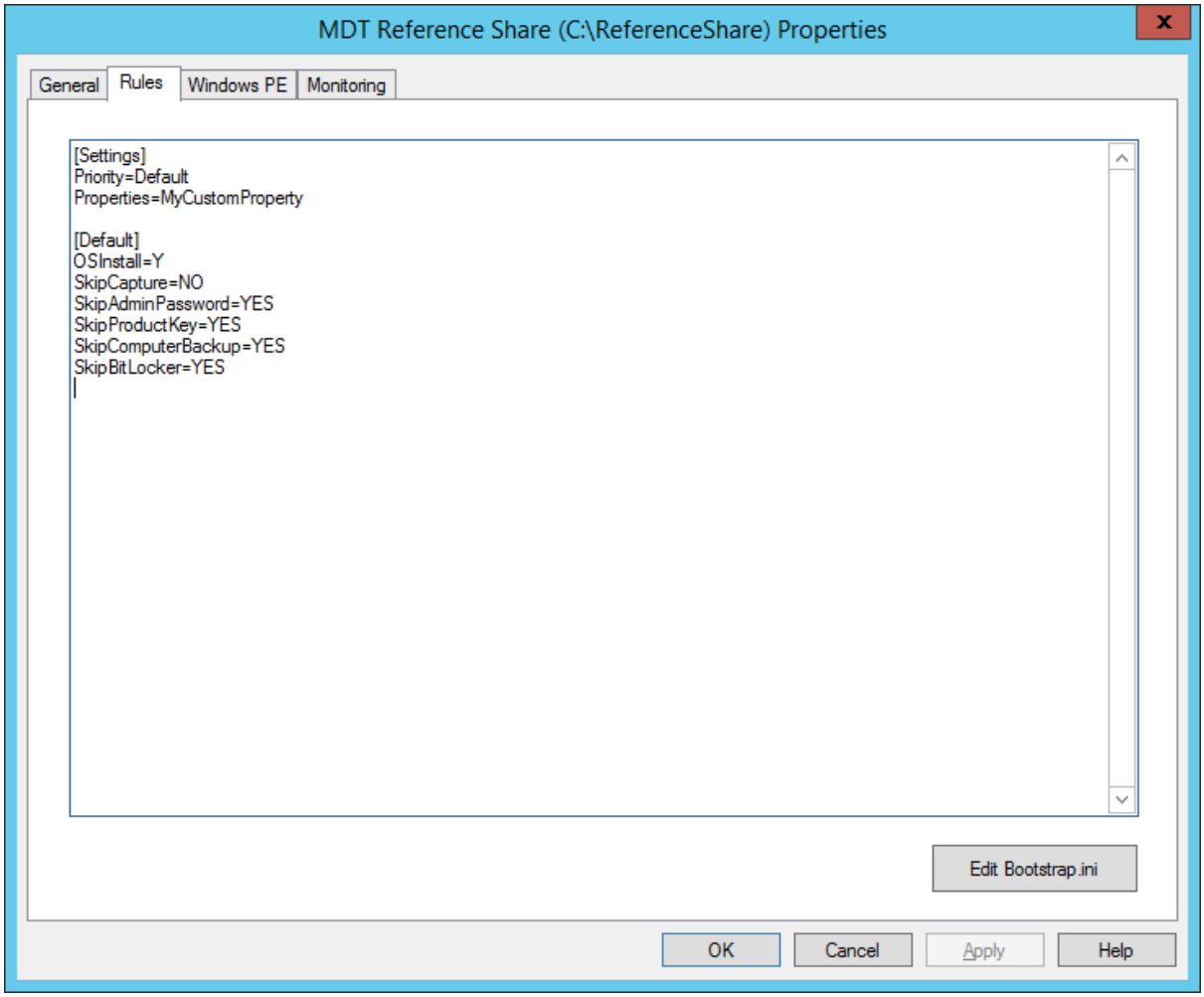

New Deployment Share Wizard
Confirmation
Path
Share
Descriptive Name
Options
Summary
Progress
Confirmation
The process completed successfully.
Creating share 'ReferenceShare$' with path 'C:\ReferenceShare'.
Share created successfully.
Performing the operation "New drive" on target "Name: DS001 Provider: MicrosoftDeploymentToolkit\MI
Performing the operation "new" on target "deployment share".
Initializing a new deployment share
Initializing scripts and tools.
Performing the operation "open" on target "deployment share".
Deployment share at 'C:\ReferenceShare' opened successfully.
Adding MDT drive DS001 to the persisted drive list.
Successfully added MDT drive DS001 to the persisted drive list.
Save Output...
View Script
Previous
Finish
Cancel

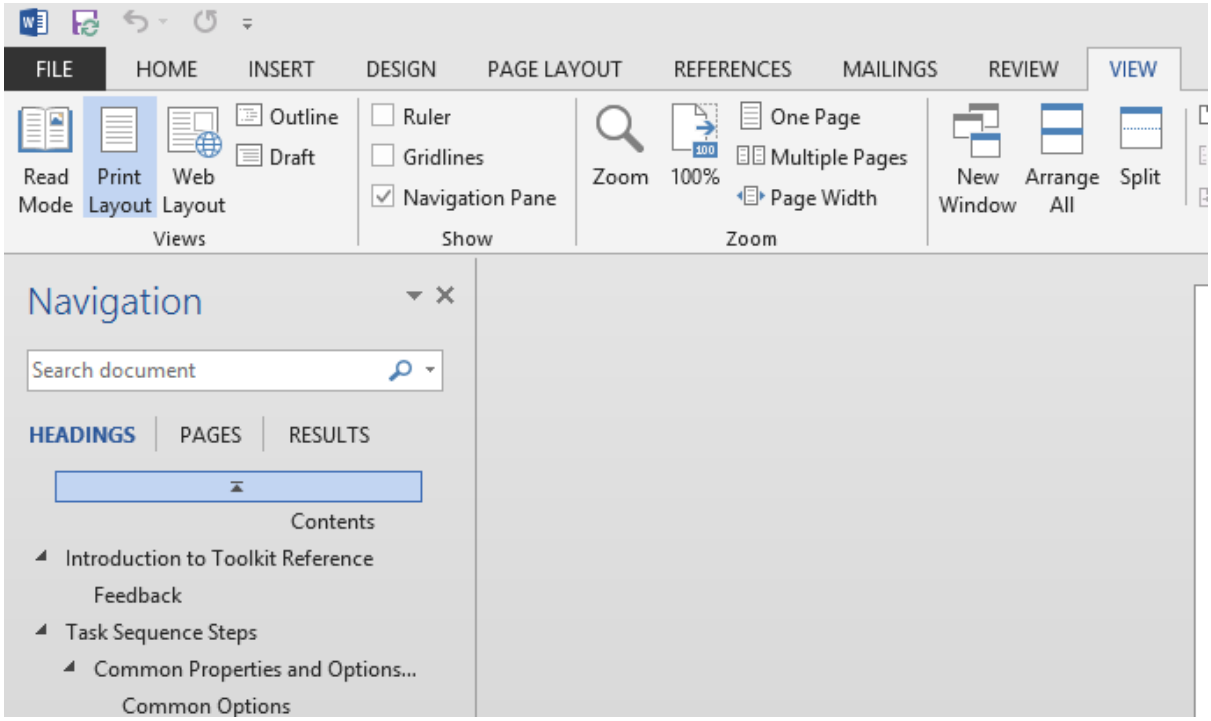

New Deployment Share Wizard
NewDP - Notepad
File Edit Format View Help
Import-Module "C:\Program Files\Microsoft Deployment Toolkit\bin\MicrosoftDeploymentToolkit.psd1"
new-PSDrive -Name "DS001" -PSProvider "MDTProvider" -Root "C:\ReferenceShare" -Description "MDT Reference Share" -NetworkP

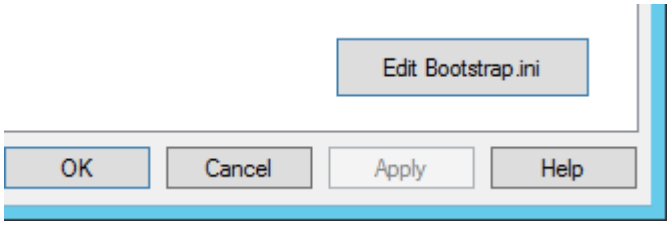

Deployment Workbench
Information Center
Getting Started
Documentation
Components
Deployment Shares
MDT Reference Share (C:\ReferenceShare)

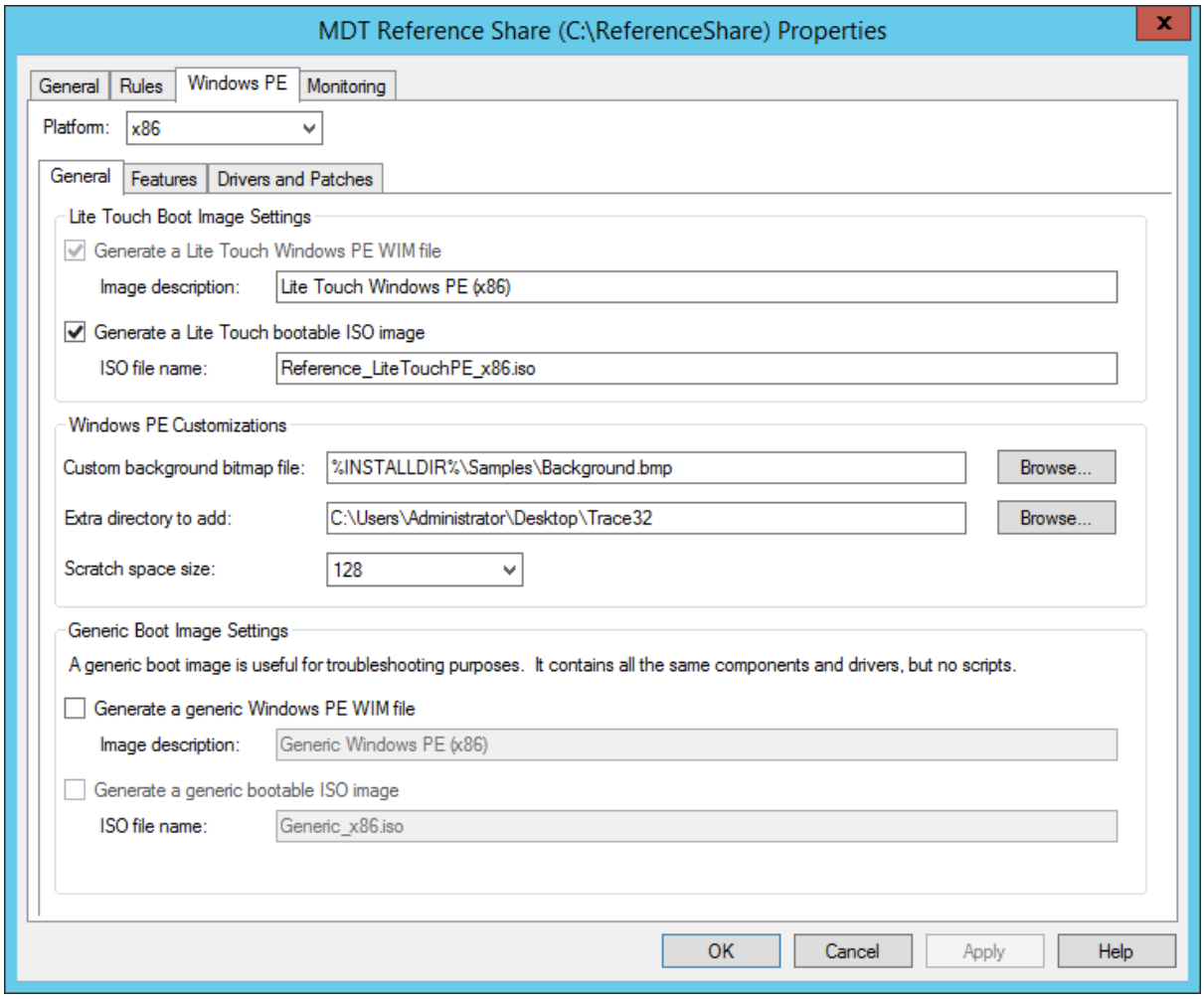

DeploymentWorkbench - [Deployment Workbench\Deployment
File Action View Help
Deployment Workbench
Information Center
Getting Started
Documentation
Components
Deployment Shares
MDT Reference Share (C:\ReferenceShare)
Name
Applications
Operating Systems
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Monitoring

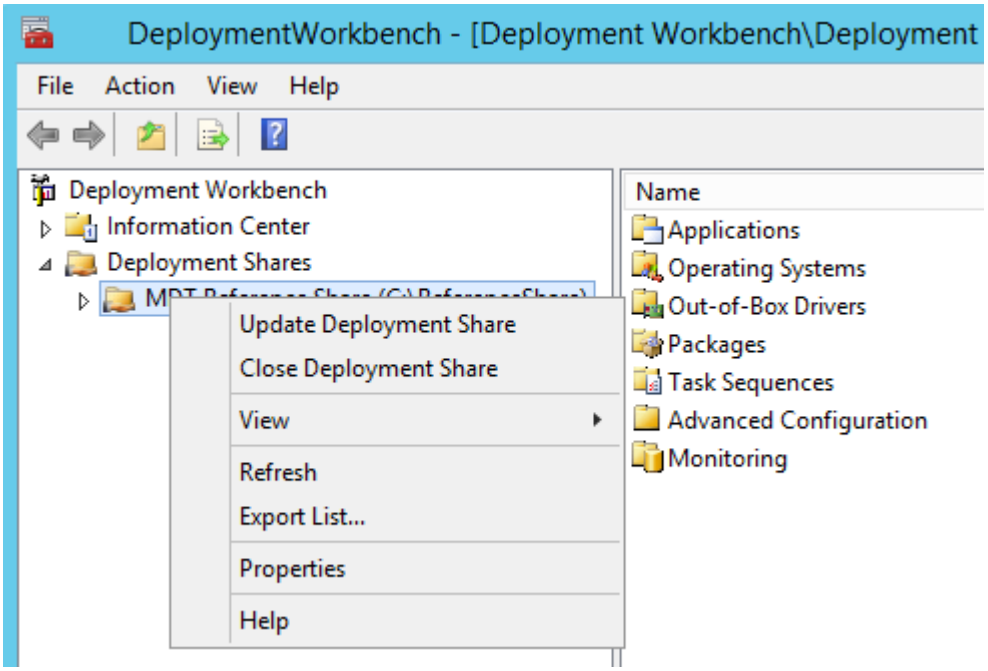

ReferenceShare
File Home Share View
Local Disk (C:) ReferenceShare
Favorites
Desktop
Downloads
Recent places
This PC
Network
Name
OEM
Applications
Backup
Boot
Captures
Control
Operating Systems
Out-of-Box Drivers
Packages
Scripts
Templates
Tools
Audit

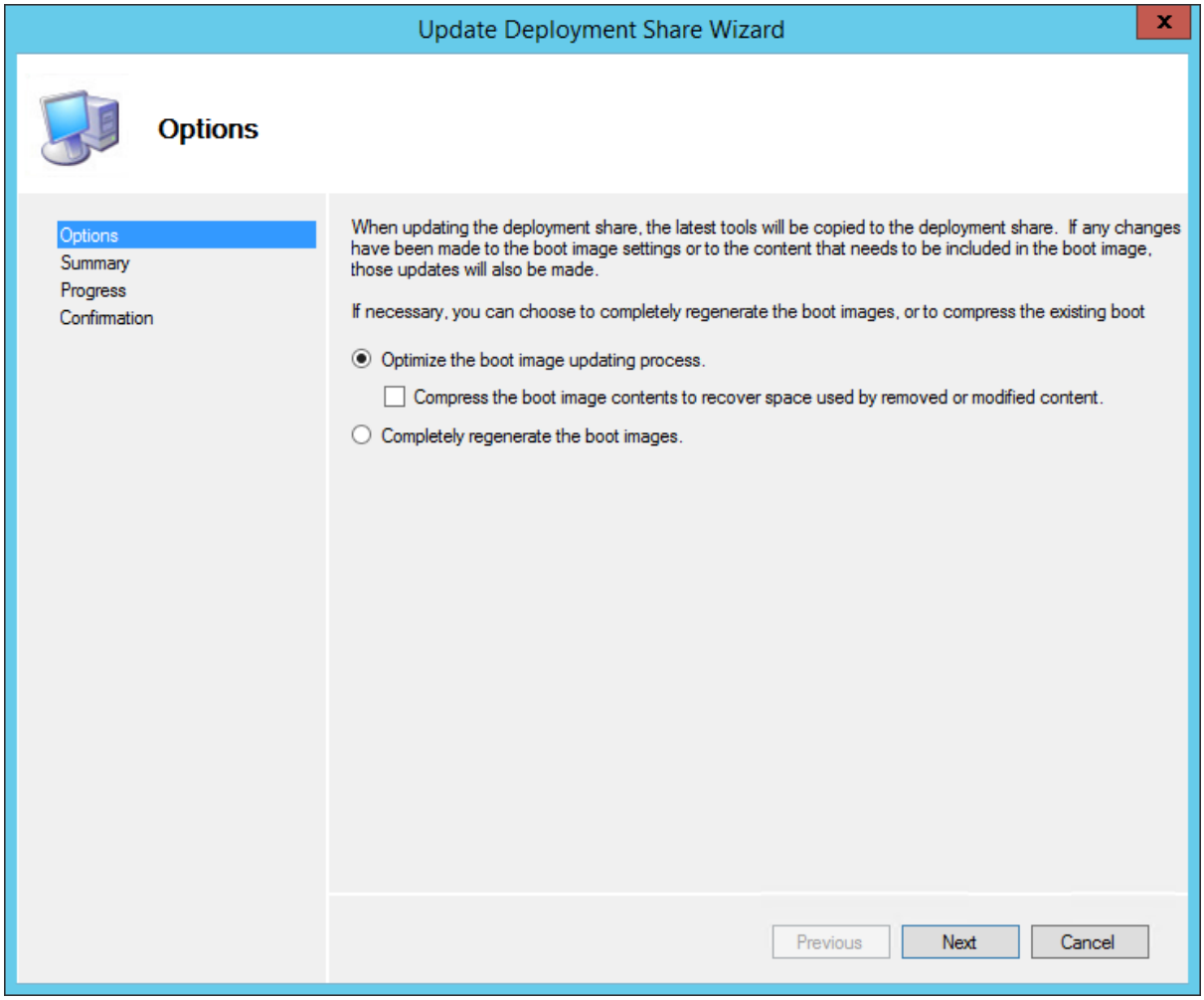

MDT Reference Share (C:\ReferenceShare) Properties
General
Rules
Windows PE
Monitoring
[Settings]
Priority=Default
Properties=MyCustomProperty
[Default]
OSInstall=Y
SkipCapture=NO
SkipAdminPassword=YES
SkipProductKey=YES
SkipComputerBackup=YES
SkipBitLocker=YES
Edit Bootstrap.ini
OK
Cancel
Apply
Help

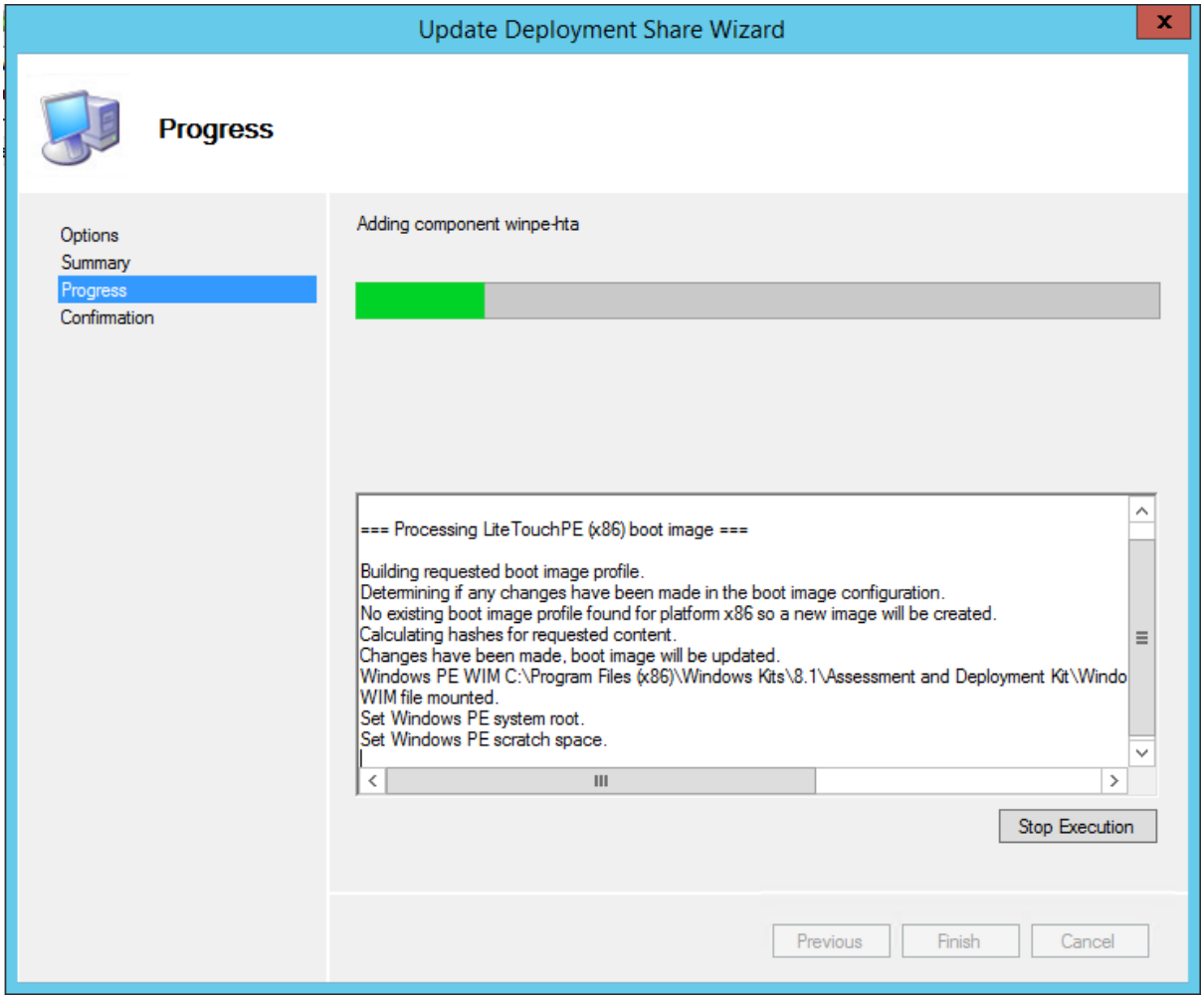

FILE
HOME
INSERT
DESIGN
PAGE LAYOUT
REFERENCES
MAILINGS
REVIEW
VIEW
Read Mode
Print Layout
Web Layout
Outline
Draft
Views
Ruler
Gridlines
Navigation Pane
Show
Zoom
100%
One Page
Multiple Pages
Page Width
Zoom
New Window
Arrange All
Split
Navigation
Search document
HEADINGS
PAGES
RESULTS
Contents
Introduction to Toolkit Reference
Feedback
Task Sequence Steps
Common Properties and Options...
Common Options

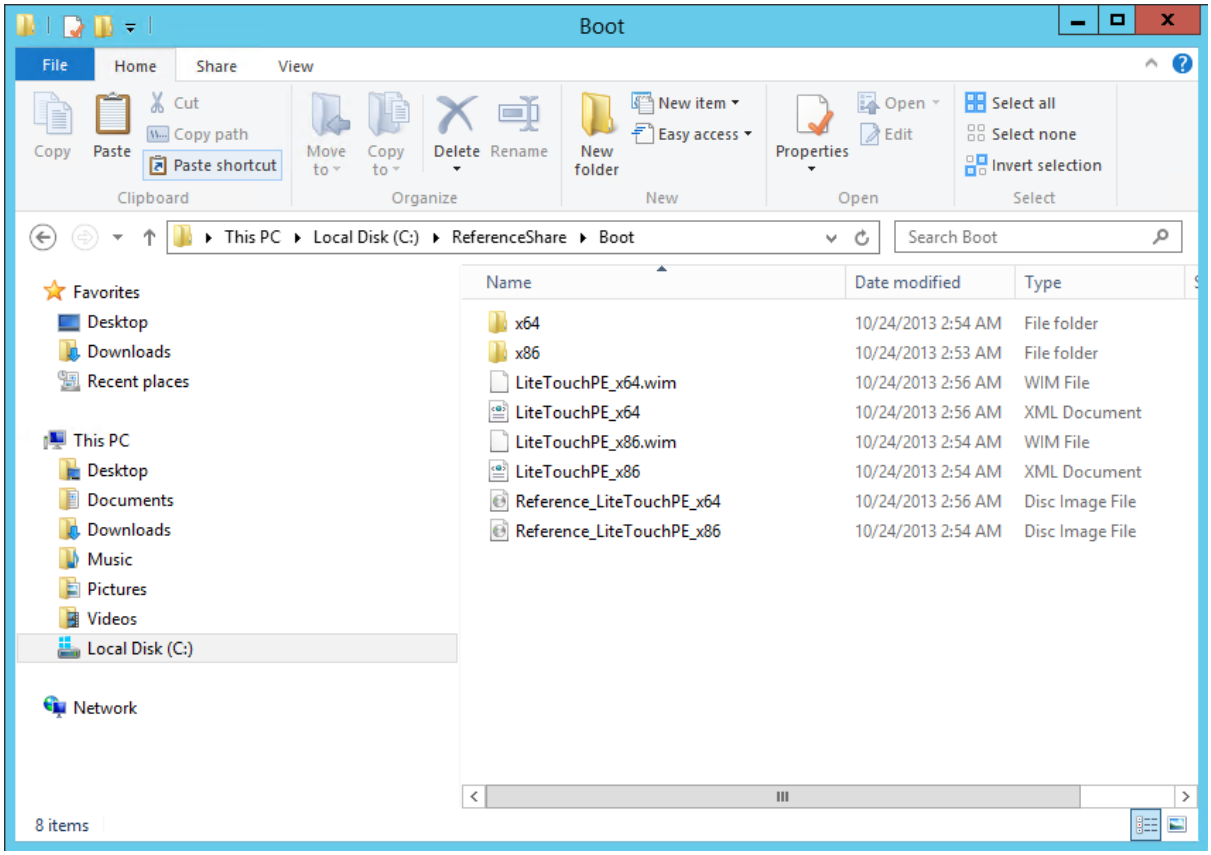

Edit Bootstrap.ini
OK
Cancel
Apply
Help

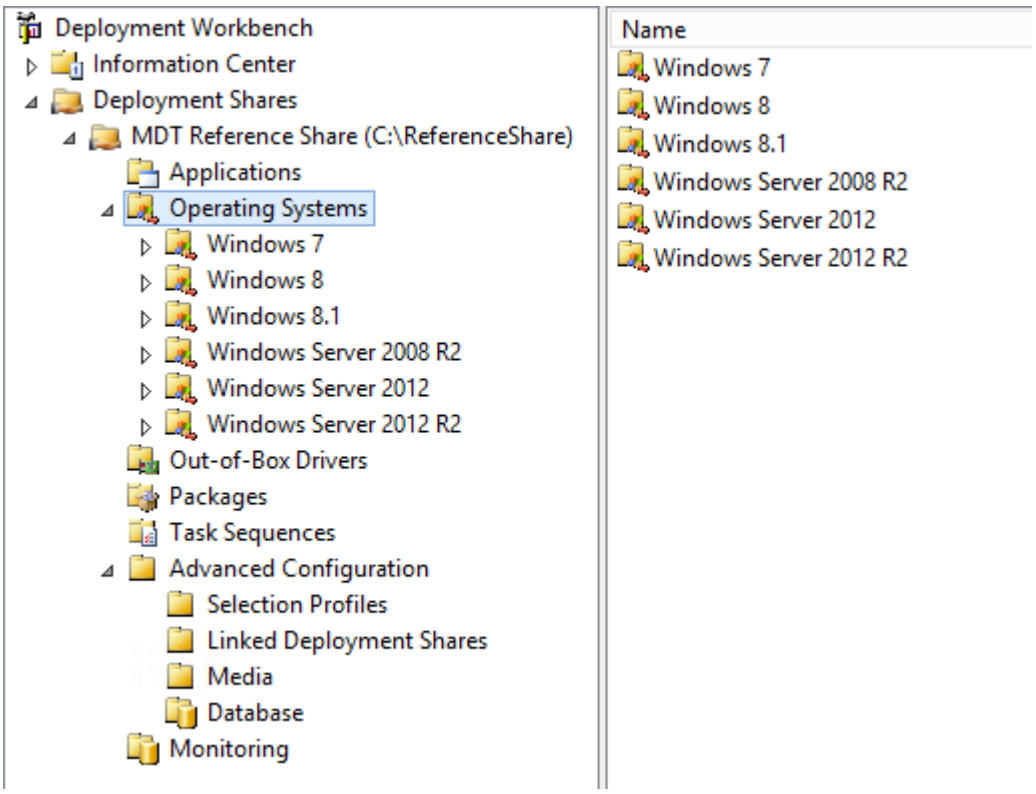

MDT Reference Share (C:\ReferenceShare) Properties
General
Rules
Windows PE
Monitoring
Platform:
x86
General
Features
Drivers and Patches
Lite Touch Boot Image Settings
Generate a Lite Touch Windows PE WIM file
Image description:
Lite Touch Windows PE (x86)
Generate a Lite Touch bootable ISO image
ISO file name:
Reference_LiteTouchPE_x86.iso
Windows PE Customizations
Custom background bitmap file:
%INSTALLDIR%\Samples\Background.bmp
Browse...
Extra directory to add:
C:\Users\Administrator\Desktop\Trace32
Browse...
Scratch space size:
128
Generic Boot Image Settings
A generic boot image is useful for troubleshooting purposes. It contains all the same components and drivers, but no scripts.
Generate a generic Windows PE WIM file
Image description:
Generic Windows PE (x86)
Generate a generic bootable ISO image
ISO file name:
Generic_x86.iso
OK
Cancel
Apply
Help

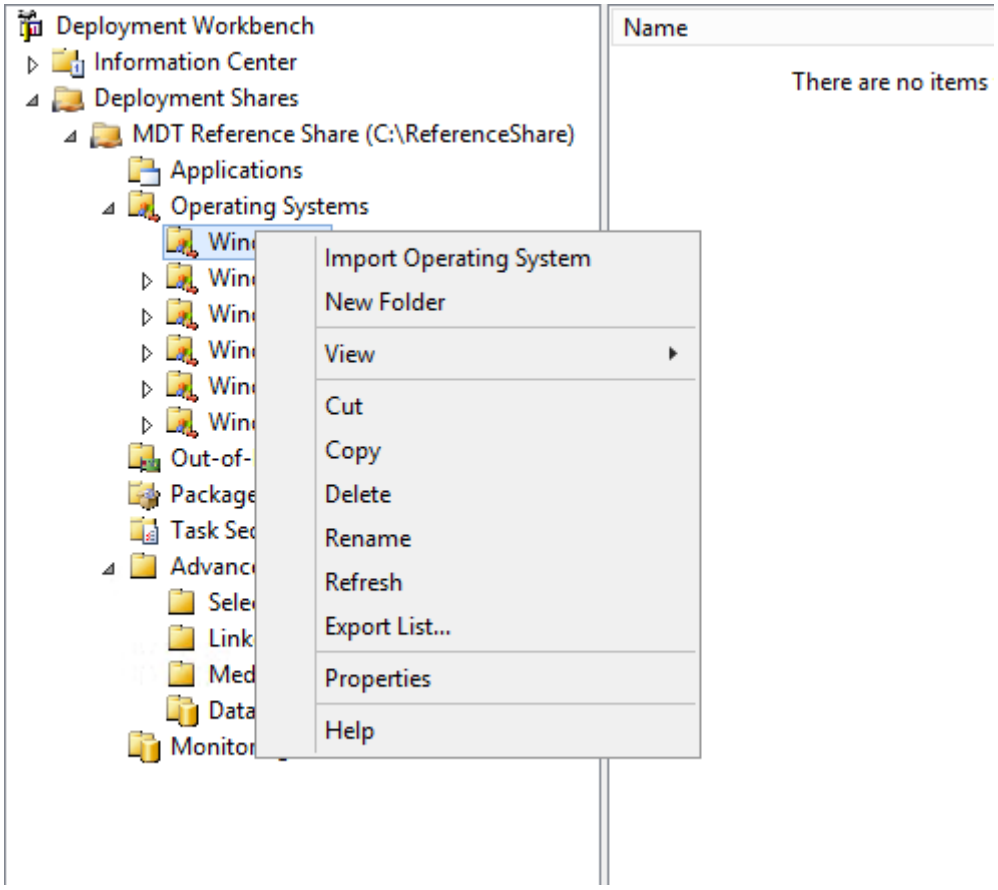

DeploymentWorkbench - [Deployment Workbench\Deployment
File
Action
View
Help
Deployment Workbench
Information Center
Deployment Shares
Update Deployment Share
Close Deployment Share
View
Refresh
Export List...
Properties
Help
Name
Applications
Operating Systems
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Monitoring

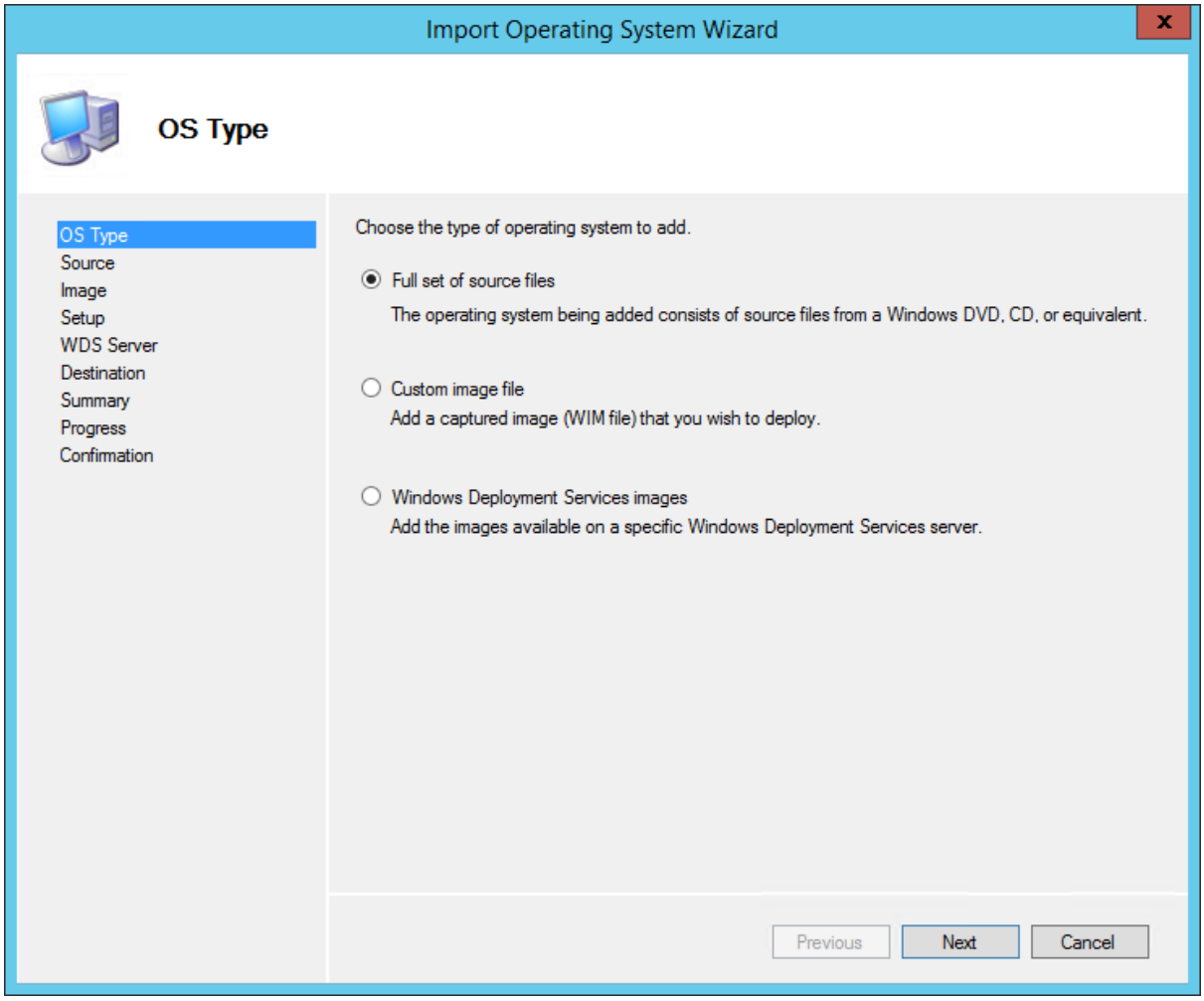

Update Deployment Share Wizard
Options
Options
Summary
Progress
Confirmation
When updating the deployment share, the latest tools will be copied to the deployment share. If any changes have been made to the boot image settings or to the content that needs to be included in the boot image, those updates will also be made.
If necessary, you can choose to completely regenerate the boot images, or to compress the existing boot
Optimize the boot image updating process.
Compress the boot image contents to recover space used by removed or modified content.
Completely regenerate the boot images.
Previous
Next
Cancel

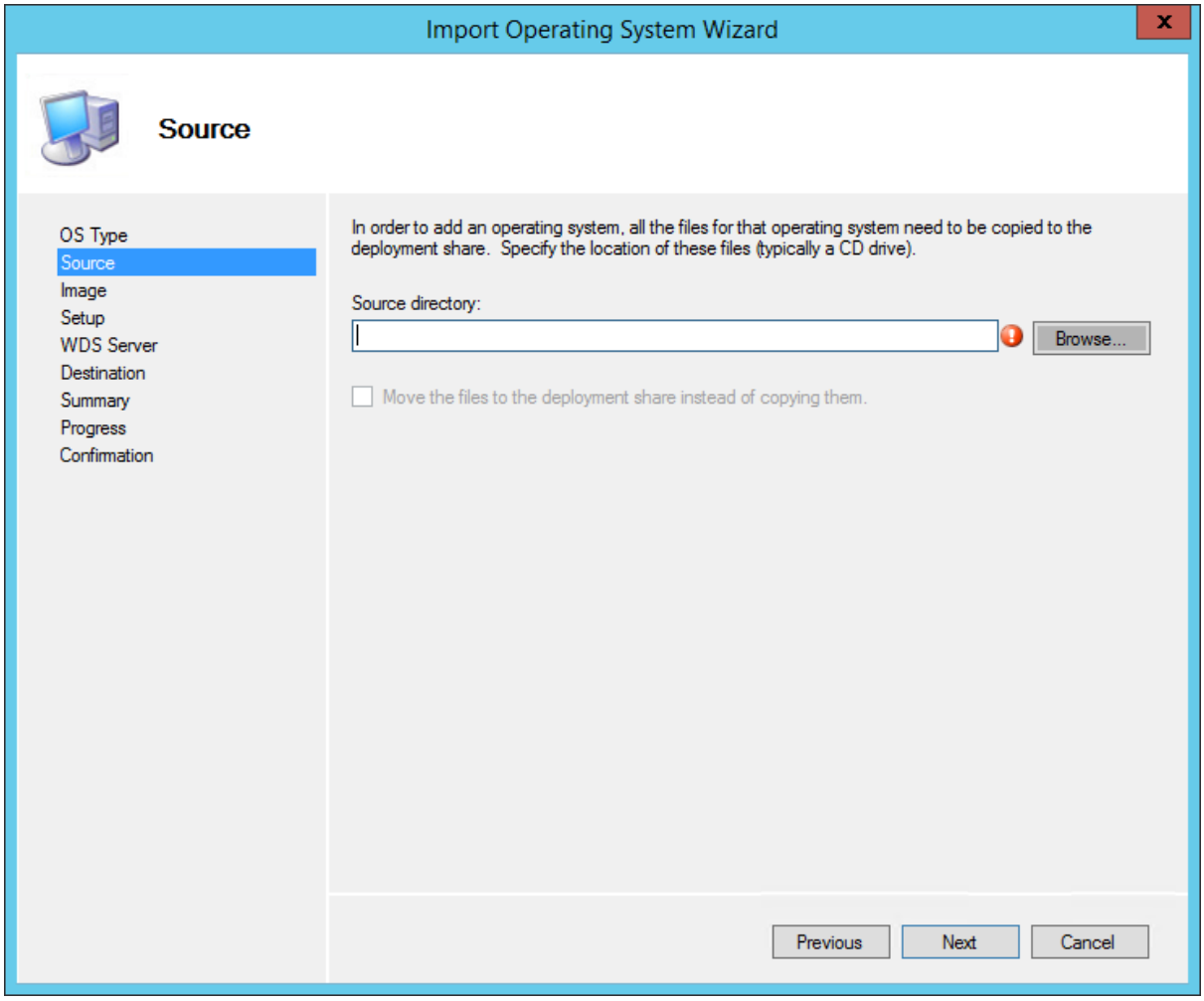

Update Deployment Share Wizard
Progress
Options
Summary
Progress
Confirmation
Adding component winpe-hta
=== Processing LiteTouchPE (x86) boot image ===
Building requested boot image profile.
Determining if any changes have been made in the boot image configuration.
No existing boot image profile found for platform x86 so a new image will be created.
Calculating hashes for requested content.
Changes have been made, boot image will be updated.
Windows PE WIM C:\Program Files (x86)\Windows Kits\8.1\Assessment and Deployment Kit\Windo
WIM file mounted.
Set Windows PE system root.
Set Windows PE scratch space.
Stop Execution
Previous
Finish
Cancel

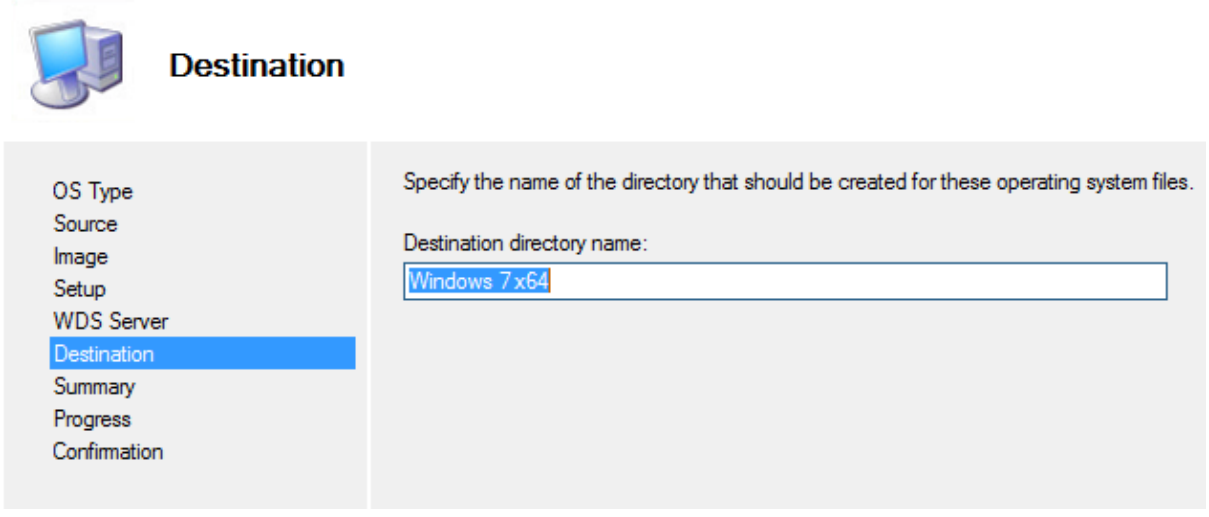

Boot
File
Home
Share
View
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
Open
Select all
Select none
Invert selection
Select
This PC ▸ Local Disk (C:) ▸ ReferenceShare ▸ Boot
Search Boot
Favorites
Desktop
Downloads
Recent places
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
Network
Name
Date modified
Type
x64 10/24/2013 2:54 AM File folder
x86 10/24/2013 2:53 AM File folder
LiteTouchPE_x64.wim 10/24/2013 2:56 AM WIM File
LiteTouchPE_x64 10/24/2013 2:56 AM XML Document
LiteTouchPE_x86.wim 10/24/2013 2:54 AM WIM File
LiteTouchPE_x86 10/24/2013 2:54 AM XML Document
Reference_LiteTouchPE_x64 10/24/2013 2:56 AM Disc Image File
Reference_LiteTouchPE_x86 10/24/2013 2:54 AM Disc Image File
8 items

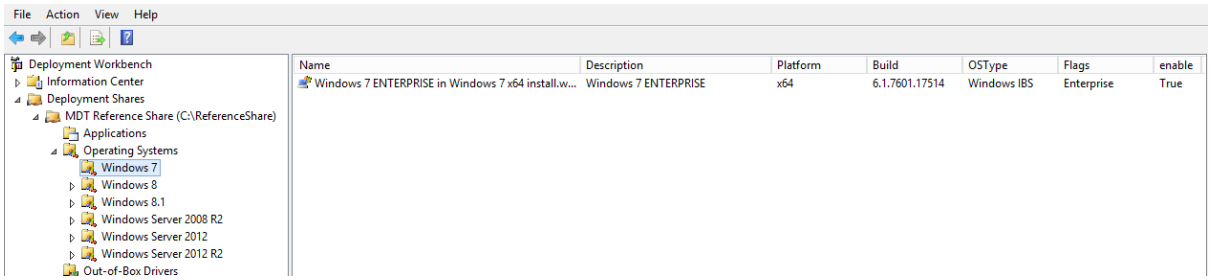

Deployment Workbench
Information Center
Deployment Shares
MDT Reference Share (C:\ReferenceShare)
Applications
Operating Systems
Windows 7
Windows 8
Windows 8.1
Windows Server 2008 R2
Windows Server 2012
Windows Server 2012 R2
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Selection Profiles
Linked Deployment Shares
Media
Database
Monitoring
Name
Windows 7
Windows 8
Windows 8.1
Windows Server 2008 R2
Windows Server 2012
Windows Server 2012 R2

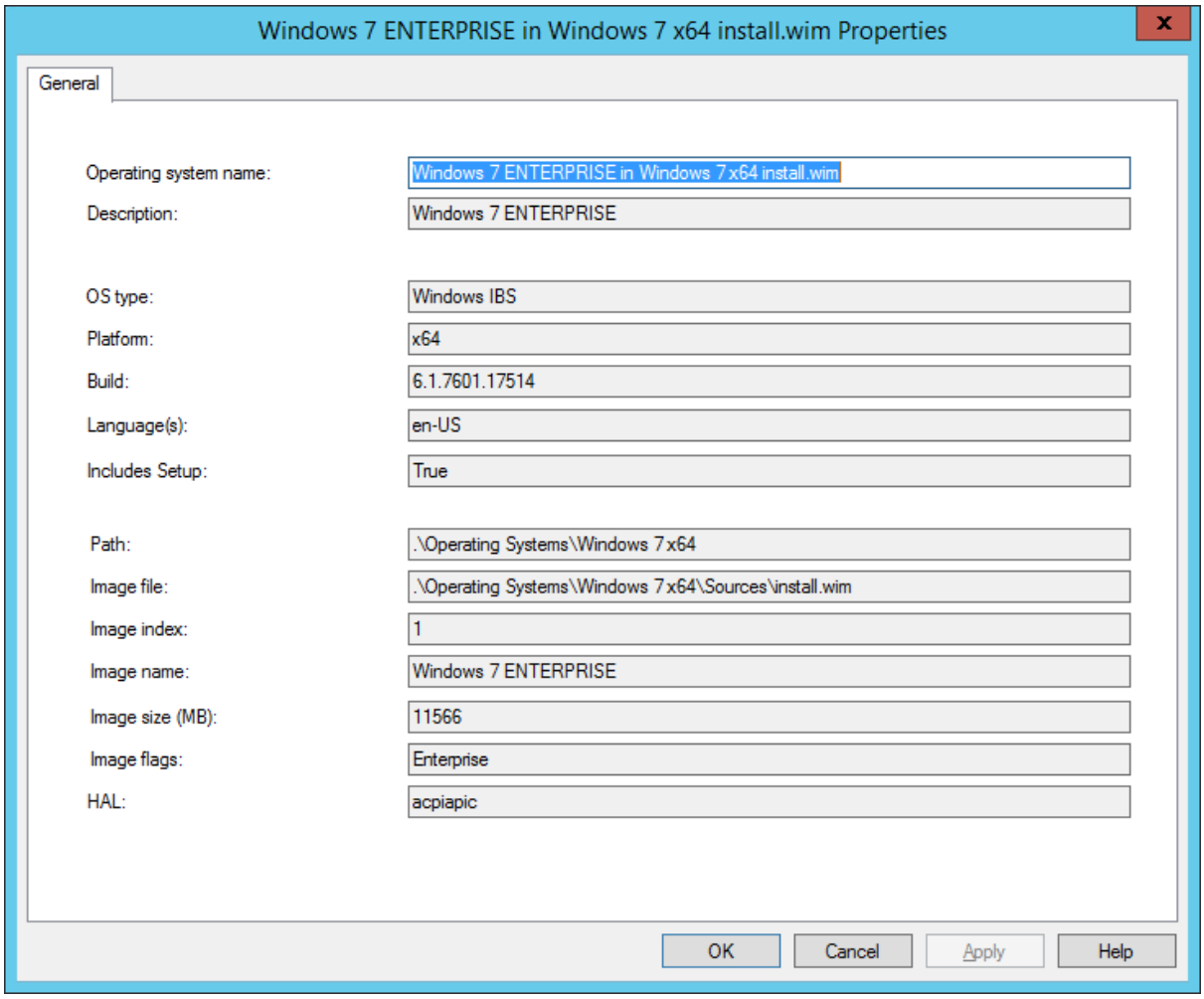

Deployment Workbench
Information Center
Deployment Shares
MDT Reference Share (C:\ReferenceShare)
Applications
Operating Systems
Out-of-
Package
Task Se
Advanc
Sele
Link
Med
Data
Monitor
Name
There are no items
Import Operating System
New Folder
View
Cut
Copy
Delete
Rename
Refresh
Export List...
Properties
Help

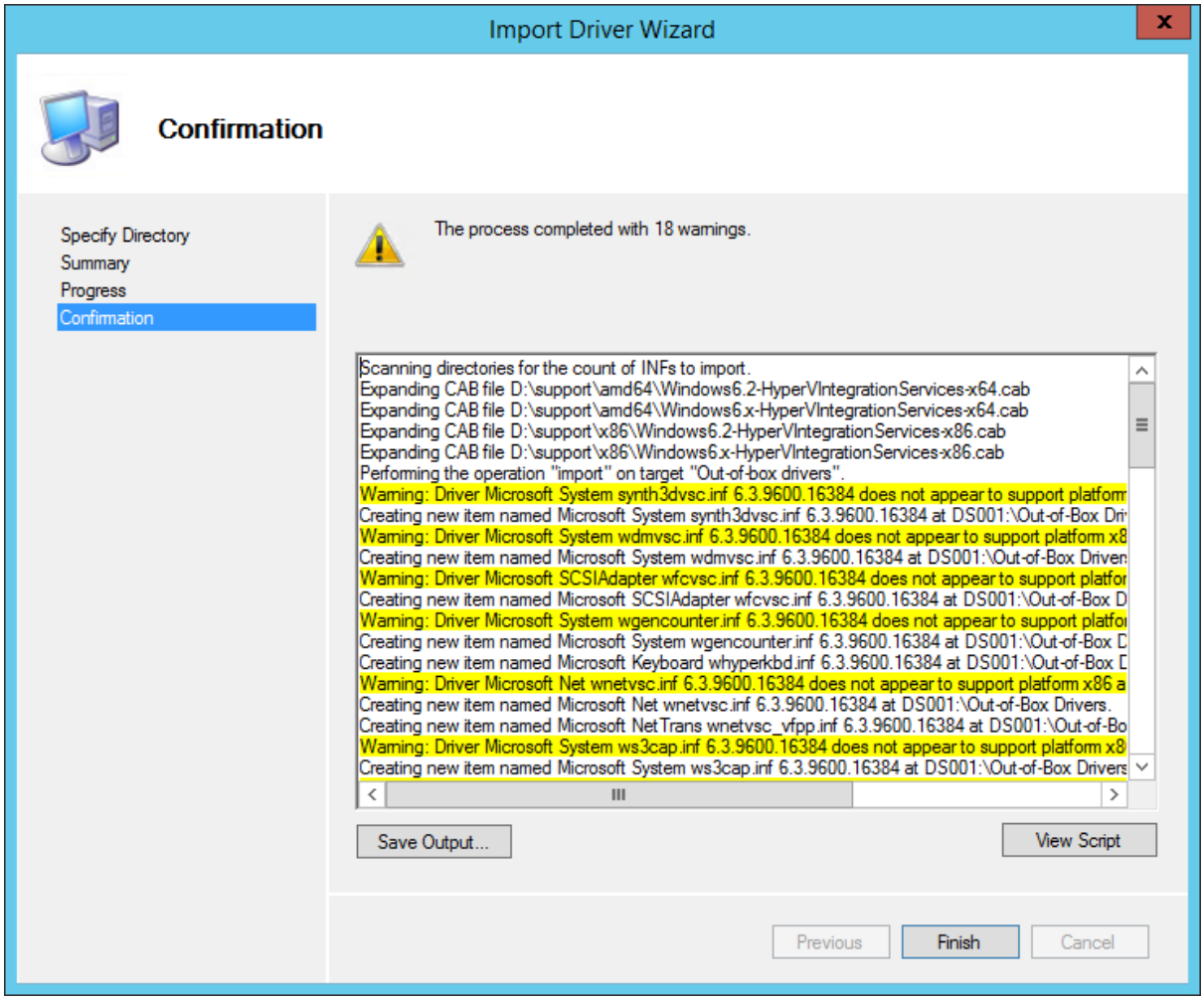

Import Operating System Wizard
OS Type
OS Type
Source
Image
Setup
WDS Server
Destination
Summary
Progress
Confirmation
Choose the type of operating system to add.
Full set of source files
The operating system being added consists of source files from a Windows DVD, CD, or equivalent.
Custom image file
Add a captured image (WIM file) that you wish to deploy.
Windows Deployment Services images
Add the images available on a specific Windows Deployment Services server.
Previous
Next
Cancel

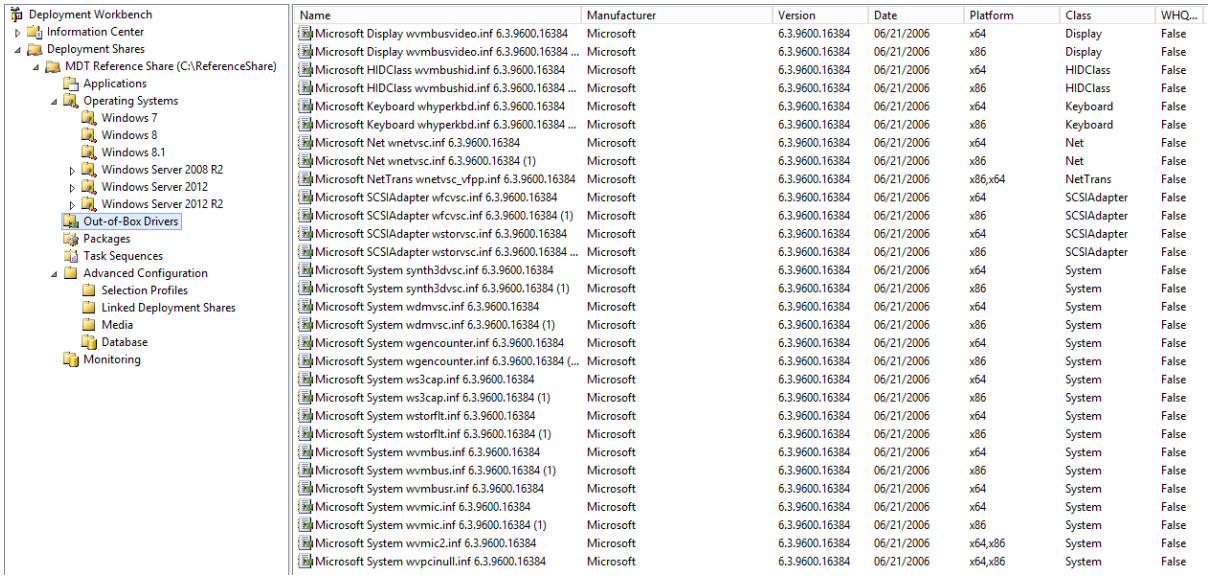

Import Operating System Wizard
Source
OS Type
Source
Image
Setup
WDS Server
Destination
Summary
Progress
Confirmation
In order to add an operating system, all the files for that operating system need to be copied to the deployment share. Specify the location of these files (typically a CD drive).
Source directory:
Browse...
Move the files to the deployment share instead of copying them.
Previous
Next
Cancel

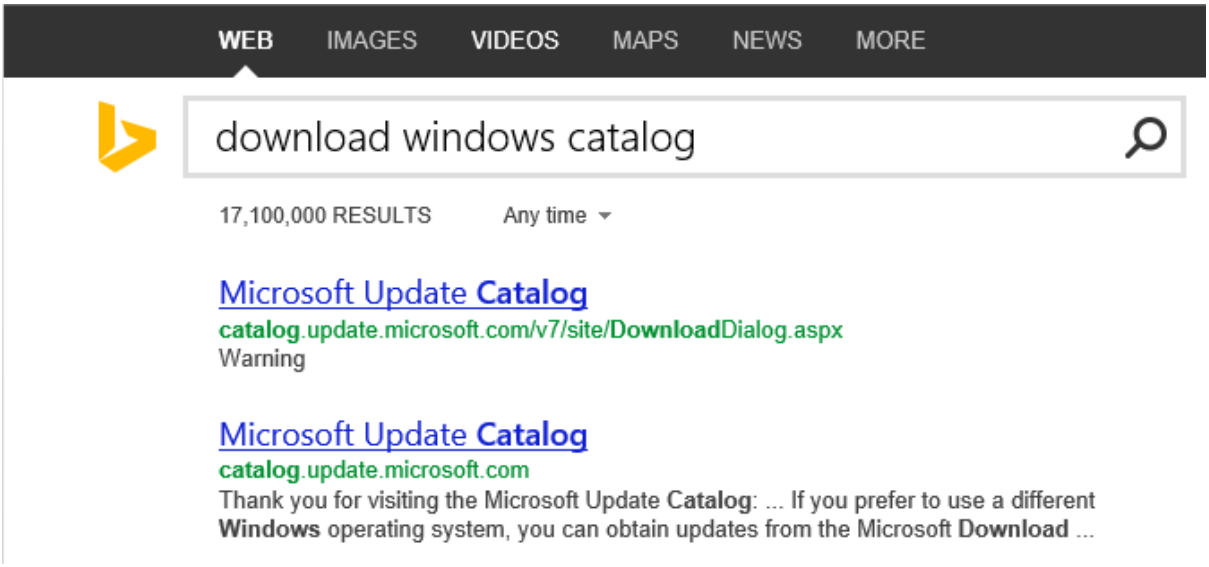

Destination
OS Type
Source
Image
Setup
WDS Server
Destination
Summary
Progress
Confirmation
Specify the name of the directory that should be created for these operating system files.
Destination directory name:
Windows 7 x64

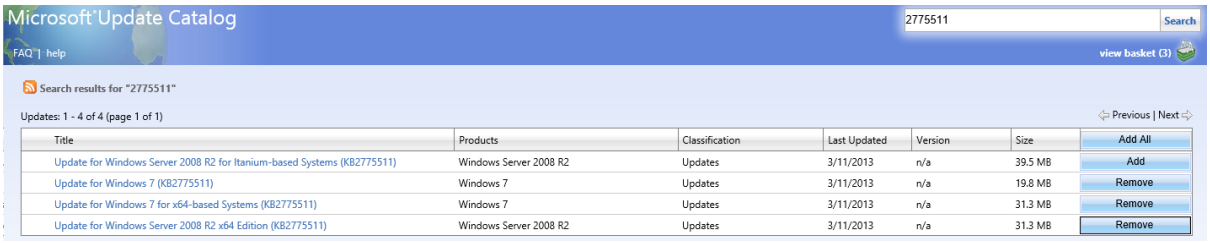

File Action View Help
Deployment Workbench
Information Center
Deployment Shares
MDT Reference Share (C:\ReferenceShare)
Applications
Operating Systems
Windows 7
Windows 8
Windows 8.1
Windows Server 2008 R2
Windows Server 2012
Windows Server 2012 R2
Out-of-Box Drivers
Name
Description
Platform
Build
OSType
Flags
enable
Windows 7 ENTERPRISE in Windows 7 x64 install.w...
Windows 7 ENTERPRISE
x64
6.1.7601.17514
Windows IBS
Enterprise
True

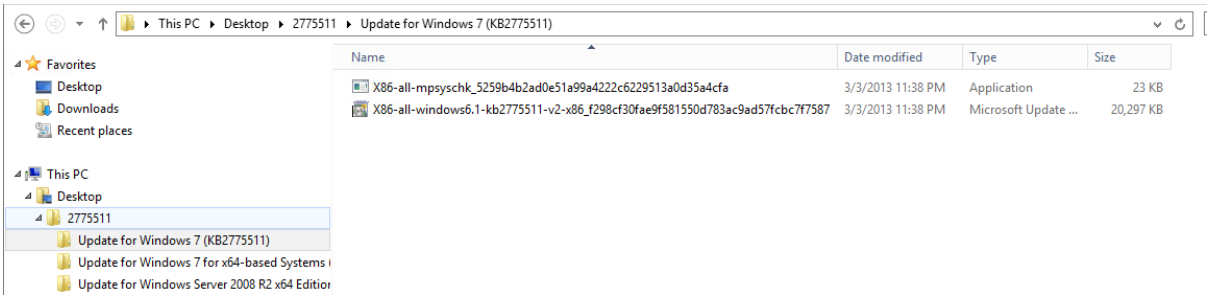

Windows 7 ENTERPRISE in Windows 7 x64 install.wim Properties
General
Operating system name:
Windows 7 ENTERPRISE in Windows 7 x64 install.wim
Description:
Windows 7 ENTERPRISE
OS type:
Windows IBS
Platform:
x64
Build:
6.1.7601.17514
Language(s):
en-US
Includes Setup:
True
Path:
.\Operating Systems\Windows 7 x64
Image file:
.\Operating Systems\Windows 7 x64\Sources\install.wim
Image index:
1
Image name:
Windows 7 ENTERPRISE
Image size (MB):
11566
Image flags:
Enterprise
HAL:
acpiapic
OK
Cancel
Apply
Help

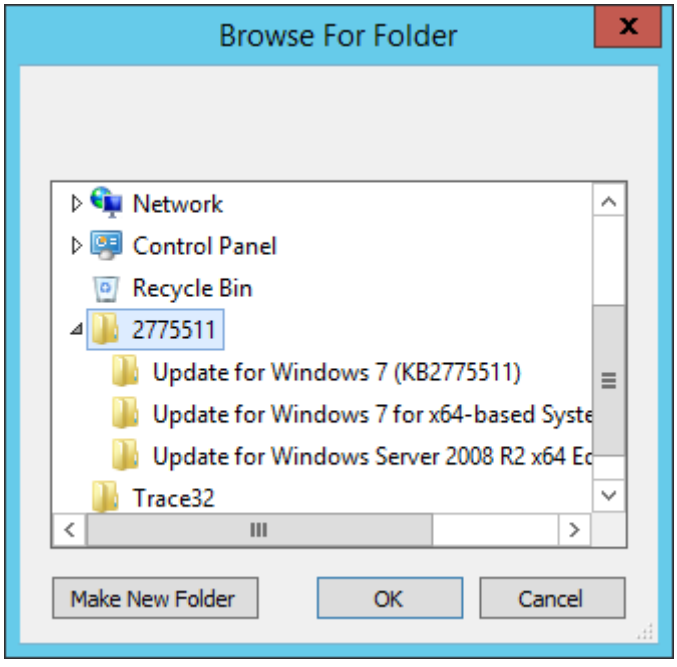

Import Driver Wizard
Confirmation
Specify Directory
Summary
Progress
Confirmation
The process completed with 18 warnings.
Scanning directories for the count of INFs to import.
Expanding CAB file D:\support\amd64\Windows6.2-HyperVIntegrationServices-x64.cab
Expanding CAB file D:\support\amd64\Windows6.x-HyperVIntegrationServices-x64.cab
Expanding CAB file D:\support\x86\Windows6.2-HyperVIntegrationServices-x86.cab
Expanding CAB file D:\support\x86\Windows6.x-HyperVIntegrationServices-x86.cab
Performing the operation "import" on target "Out-of-box drivers".
Warning: Driver Microsoft System synth3dvsc.inf 6.3.9600.16384 does not appear to support platform
Creating new item named Microsoft System synth3dvsc.inf 6.3.9600.16384 at DS001:\Out-of-Box Dri
Warning: Driver Microsoft System wdmvsc.inf 6.3.9600.16384 does not appear to support platform x8
Creating new item named Microsoft System wdmvsc.inf 6.3.9600.16384 at DS001:\Out-of-Box Driver
Warning: Driver Microsoft SCSIAdapter wfcvsc.inf 6.3.9600.16384 does not appear to support platfor
Creating new item named Microsoft SCSIAdapter wfcvsc.inf 6.3.9600.16384 at DS001:\Out-of-Box D
Warning: Driver Microsoft System wgencounter.inf 6.3.9600.16384 does not appear to support platfo
Creating new item named Microsoft System wgencounter.inf 6.3.9600.16384 at DS001:\Out-of-Box D
Creating new item named Microsoft Keyboard whyperkbd.inf 6.3.9600.16384 at DS001:\Out-of-Box D
Warning: Driver Microsoft Net wnetvsc.inf 6.3.9600.16384 does not appear to support platform x86 a
Creating new item named Microsoft Net wnetvsc.inf 6.3.9600.16384 at DS001:\Out-of-Box Drivers.
Creating new item named Microsoft NetTrans wnetvsc_vfpp.inf 6.3.9600.16384 at DS001:\Out-of-Bo
Warning: Driver Microsoft System ws3cap.inf 6.3.9600.16384 does not appear to support platform x8
Creating new item named Microsoft System ws3cap.inf 6.3.9600.16384 at DS001:\Out-of-Box Drivers
Save Output...
View Script
Previous
Finish
Cancel

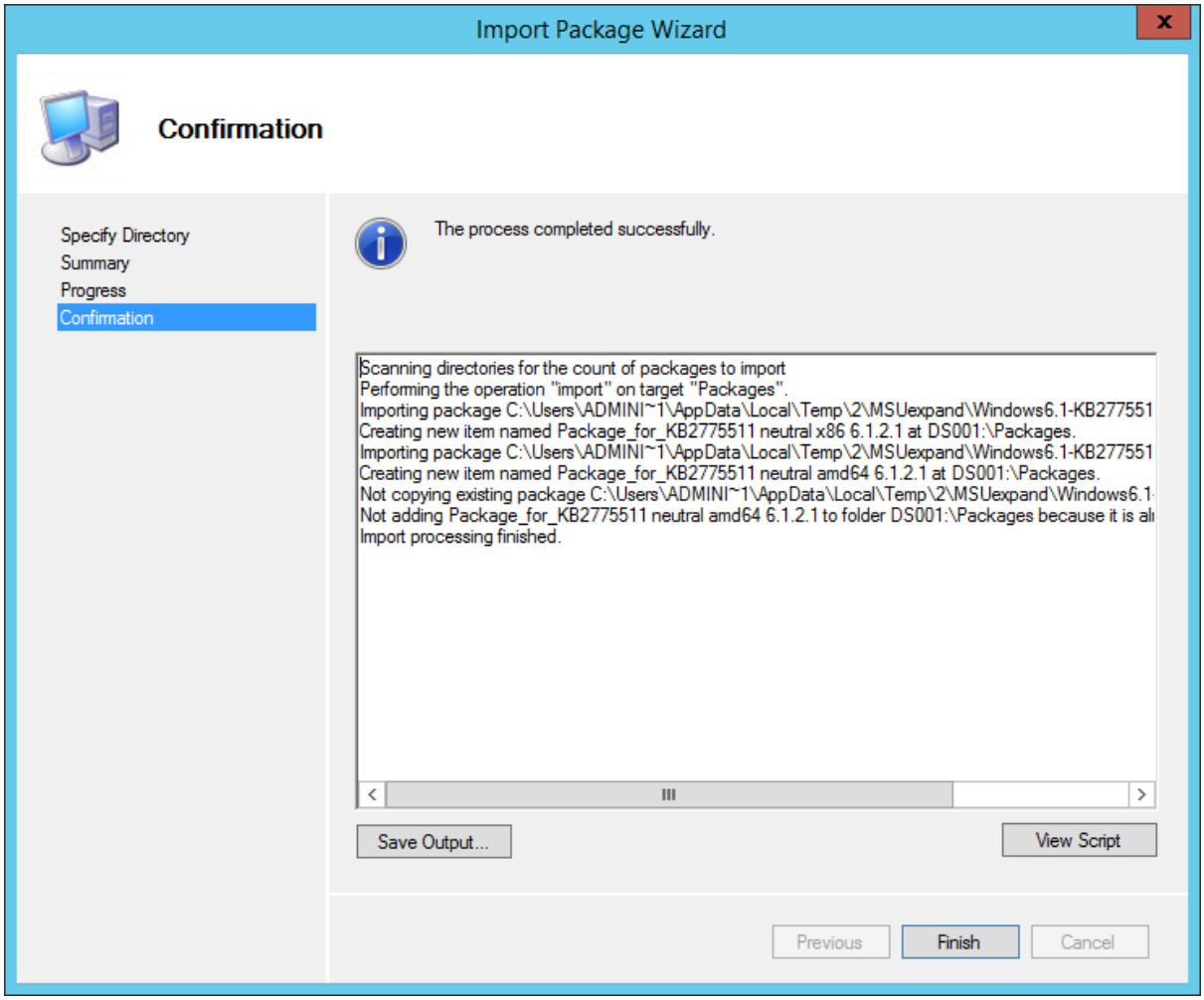

Deployment Workbench
Information Center
Deployment Shares
MDT Reference Share (C:\ReferenceShare)
Applications
Operating Systems
Windows 7
Windows 8
Windows 8.1
Windows Server 2008 R2
Windows Server 2012
Windows Server 2012 R2
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Selection Profiles
Linked Deployment Shares
Media
Database
Monitoring
Name
Manufacturer
Version
Date
Platform
Class
WHQ...
Microsoft Display wvmbusvideo.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 Display False
Microsoft Display wvmbusvideo.inf 6.3.9600.16384 ... Microsoft 6.3.9600.16384 06/21/2006 x86 Display False
Microsoft HIDClass wvmbushid.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 HIDClass False
Microsoft HIDClass wvmbushid.inf 6.3.9600.16384 ... Microsoft 6.3.9600.16384 06/21/2006 x86 HIDClass False
Microsoft Keyboard whyperkbd.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 Keyboard False
Microsoft Keyboard whyperkbd.inf 6.3.9600.16384 ... Microsoft 6.3.9600.16384 06/21/2006 x86 Keyboard False
Microsoft Net wnetvsc.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 Net False
Microsoft Net wnetvsc.inf 6.3.9600.16384 (1) Microsoft 6.3.9600.16384 06/21/2006 x86 Net False
Microsoft NetTrans wnetvsc_vfpp.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x86,x64 NetTrans False
Microsoft SCSIAdapter wfcvsc.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 SCSIAdapter False
Microsoft SCSIAdapter wfcvsc.inf 6.3.9600.16384 (1) Microsoft 6.3.9600.16384 06/21/2006 x86 SCSIAdapter False
Microsoft SCSIAdapter wstorvsc.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 SCSIAdapter False
Microsoft SCSIAdapter wstorvsc.inf 6.3.9600.16384 ... Microsoft 6.3.9600.16384 06/21/2006 x86 SCSIAdapter False
Microsoft System synth3dvsc.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 System False
Microsoft System synth3dvsc.inf 6.3.9600.16384 (1) Microsoft 6.3.9600.16384 06/21/2006 x86 System False
Microsoft System wdmvsc.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 System False
Microsoft System wdmvsc.inf 6.3.9600.16384 (1) Microsoft 6.3.9600.16384 06/21/2006 x86 System False
Microsoft System wgencounter.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 System False
Microsoft System wgencounter.inf 6.3.9600.16384 (... Microsoft 6.3.9600.16384 06/21/2006 x86 System False
Microsoft System ws3cap.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 System False
Microsoft System ws3cap.inf 6.3.9600.16384 (1) Microsoft 6.3.9600.16384 06/21/2006 x86 System False
Microsoft System wstorflt.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 System False
Microsoft System wstorflt.inf 6.3.9600.16384 (1) Microsoft 6.3.9600.16384 06/21/2006 x86 System False
Microsoft System wvmbus.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 System False
Microsoft System wvmbus.inf 6.3.9600.16384 (1) Microsoft 6.3.9600.16384 06/21/2006 x86 System False
Microsoft System wvmbusr.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 System False
Microsoft System wvmic.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64 System False
Microsoft System wvmic.inf 6.3.9600.16384 (1) Microsoft 6.3.9600.16384 06/21/2006 x86 System False
Microsoft System wvmic2.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64,x86 System False
Microsoft System wvpcinull.inf 6.3.9600.16384 Microsoft 6.3.9600.16384 06/21/2006 x64,x86 System False

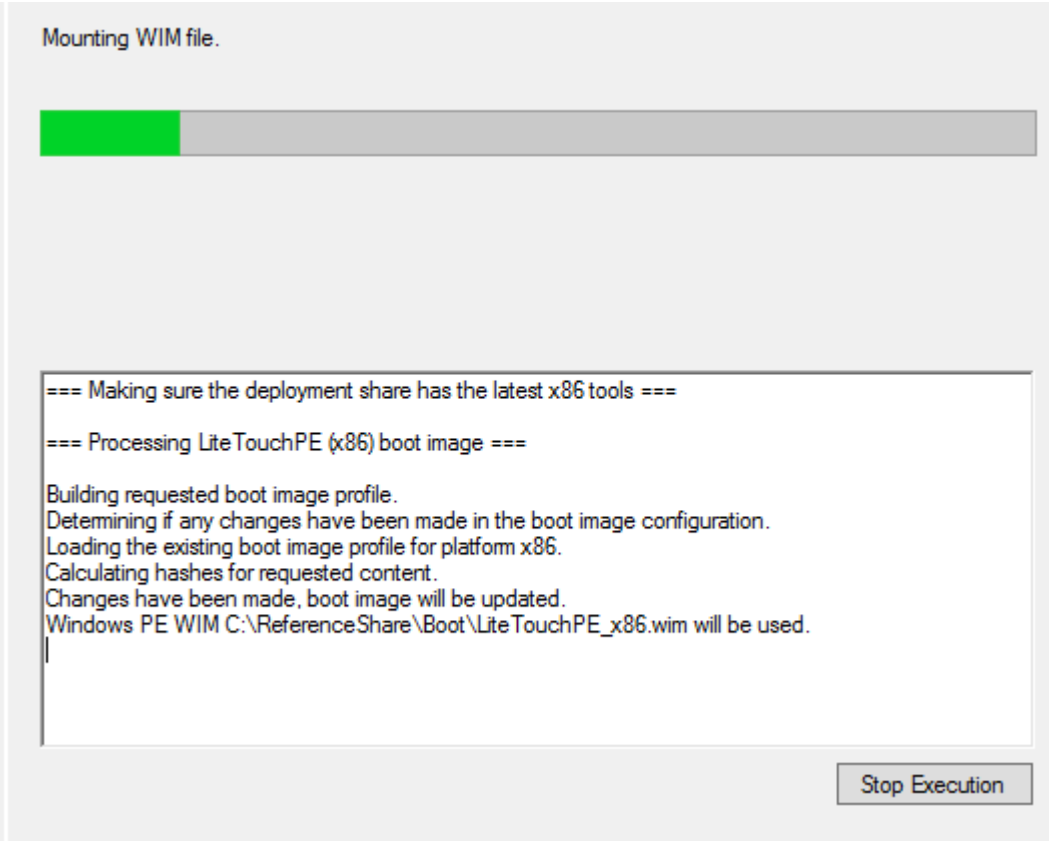

WEB
IMAGES
VIDEOS
MAPS
NEWS
MORE
download windows catalog
17,100,000 RESULTS
Any time
Microsoft Update Catalog
catalog.update.microsoft.com/v7/site/DownloadDialog.aspx
Warning
Microsoft Update Catalog
catalog.update.microsoft.com
Thank you for visiting the Microsoft Update Catalog: ... If you prefer to use a different Windows operating system, you can obtain updates from the Microsoft Download ...

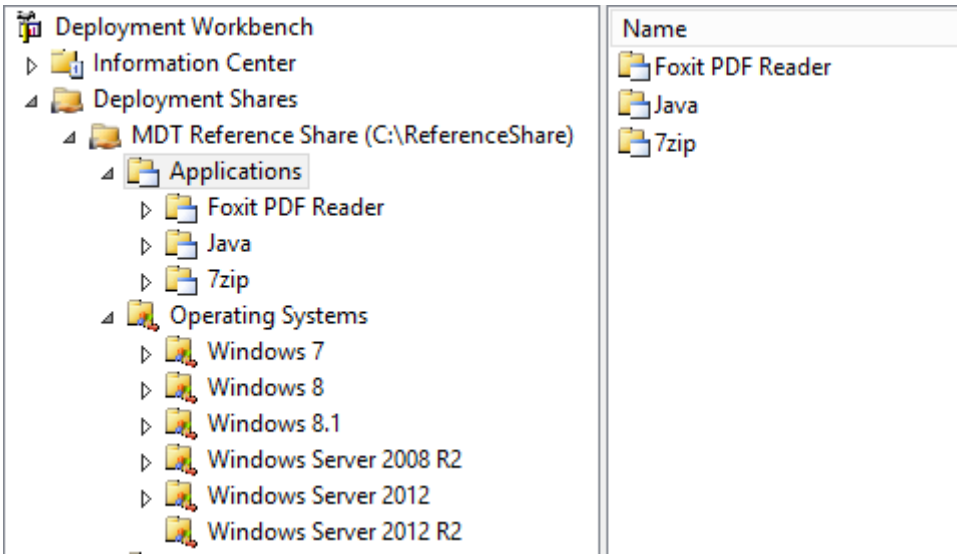

Microsoft Update Catalog
2775511
Search
FAQ | help
view basket (3)
Search results for "2775511"
Updates: 1 - 4 of 4 (page 1 of 1)
Previous | Next
Title
Products
Classification
Last Updated
Version
Size
Add All
Update for Windows Server 2008 R2 for Itanium-based Systems (KB2775511)
Windows Server 2008 R2
Updates
3/11/2013
n/a
39.5 MB
Add
Update for Windows 7 (KB2775511)
Windows 7
Updates
3/11/2013
n/a
19.8 MB
Remove
Update for Windows 7 for x64-based Systems (KB2775511)
Windows 7
Updates
3/11/2013
n/a
31.3 MB
Remove
Update for Windows Server 2008 R2 x64 Edition (KB2775511)
Windows Server 2008 R2
Updates
3/11/2013
n/a
31.3 MB
Remove

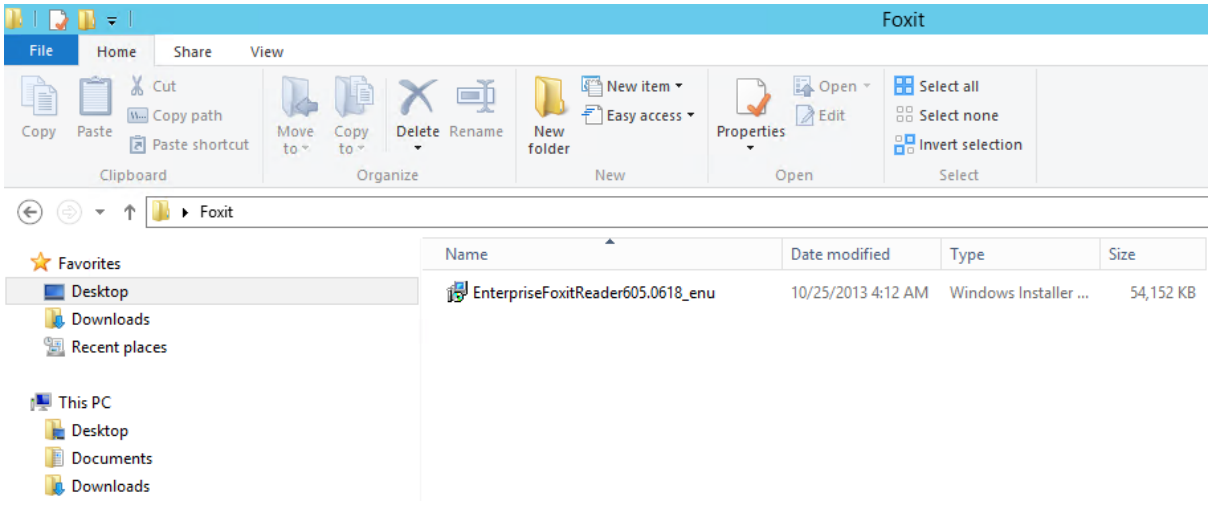

This PC
Desktop
2775511
Update for Windows 7 (KB2775511)
Favorites
Desktop
Downloads
Recent places
This PC
Desktop
2775511
Update for Windows 7 (KB2775511)
Update for Windows 7 for x64-based Systems
Update for Windows Server 2008 R2 x64 Edition
Name
Date modified
Type
Size
X86-all-mpsyschk_5259b4b2ad0e51a99a4222c6229513a0d35a4cfa
3/3/2013 11:38 PM
Application
23 KB
X86-all-windows6.1-kb2775511-v2-x86_f298cf30fae9f581550d783ac9ad57fcbc7f7587
3/3/2013 11:38 PM
Microsoft Update ...
20,297 KB

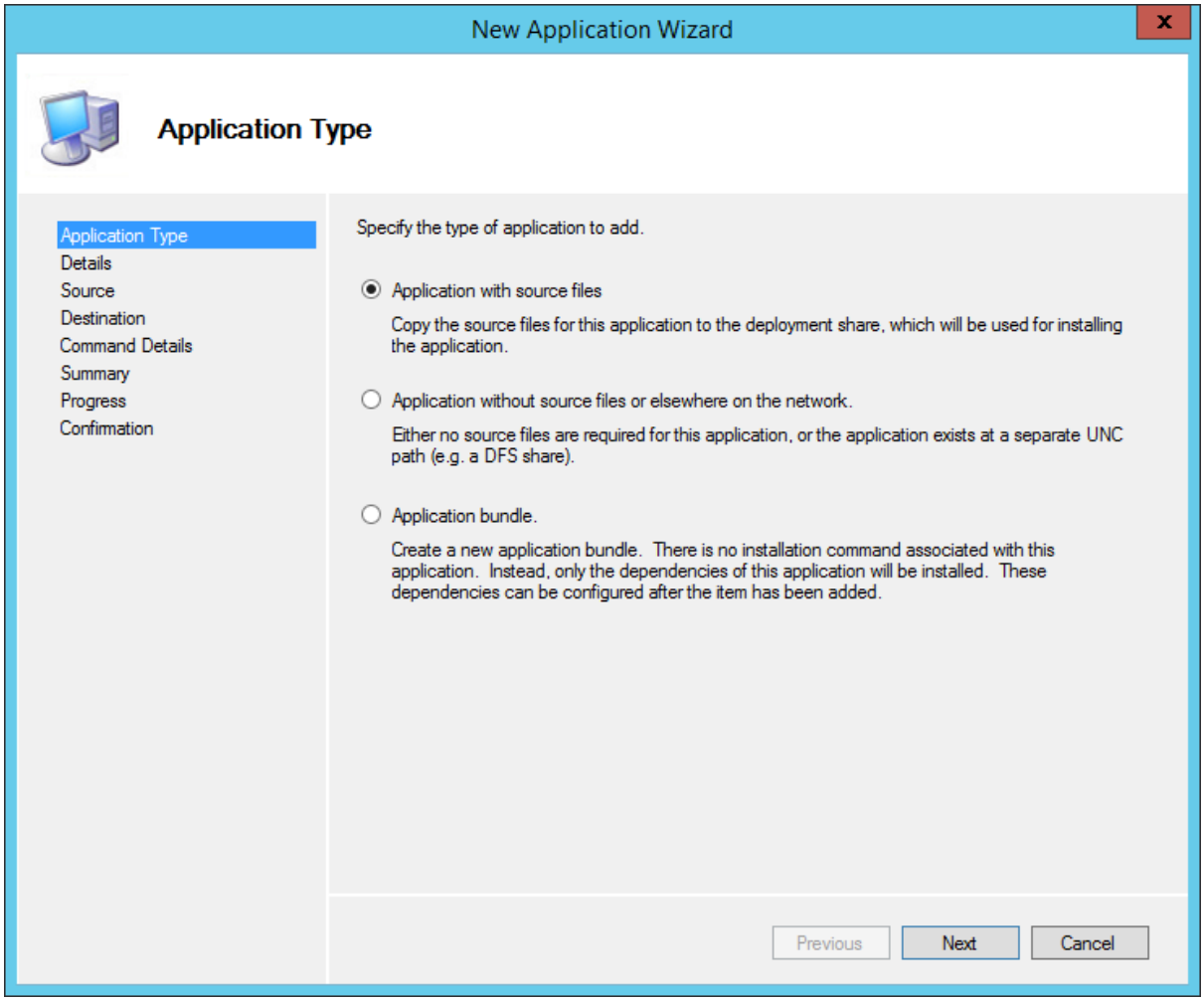

Browse For Folder
Network
Control Panel
Recycle Bin
2775511
Update for Windows 7 (KB2775511)
Update for Windows 7 for x64-based Syste
Update for Windows Server 2008 R2 x64 Ec
Trace32
Make New Folder
OK
Cancel

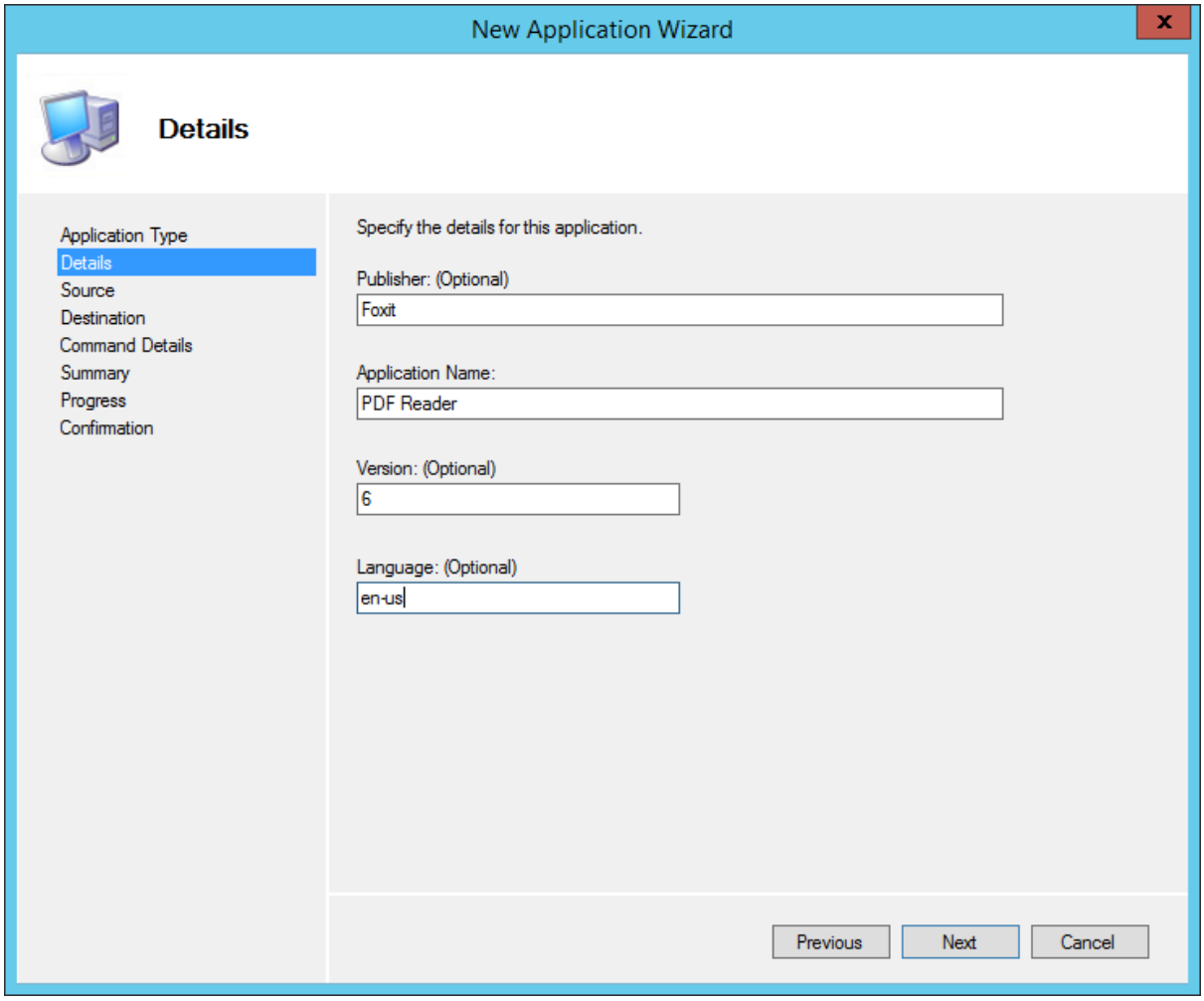

Import Package Wizard
Confirmation
Specify Directory
Summary
Progress
Confirmation
The process completed successfully.
Scanning directories for the count of packages to import
Performing the operation "import" on target "Packages".
Importing package C:\Users\ADMINI~1\AppData\Local\Temp\2\MSUexpand\Windows6.1-KB277551
Creating new item named Package_for_KB2775511 neutral x86 6.1.2.1 at DS001:\Packages.
Importing package C:\Users\ADMINI~1\AppData\Local\Temp\2\MSUexpand\Windows6.1-KB277551
Creating new item named Package_for_KB2775511 neutral amd64 6.1.2.1 at DS001:\Packages.
Not copying existing package C:\Users\ADMINI~1\AppData\Local\Temp\2\MSUexpand\Windows6.1-
Not adding Package_for_KB2775511 neutral amd64 6.1.2.1 to folder DS001:\Packages because it is al
Import processing finished.
Save Output...
View Script
Previous
Finish
Cancel

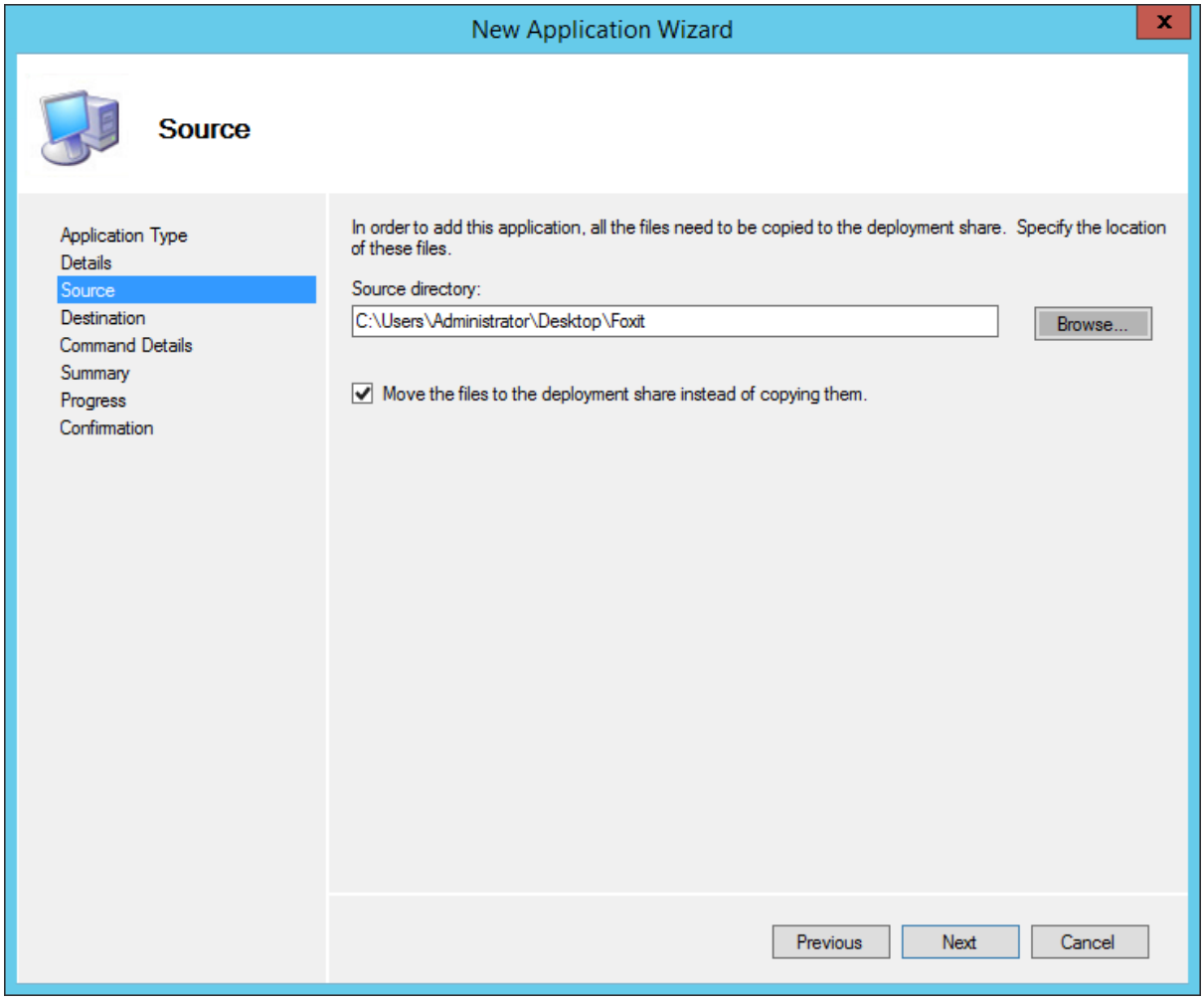

Mounting WIM file.
=== Making sure the deployment share has the latest x86 tools ===
=== Processing LiteTouchPE (x86) boot image ===
Building requested boot image profile.
Determining if any changes have been made in the boot image configuration.
Loading the existing boot image profile for platform x86.
Calculating hashes for requested content.
Changes have been made, boot image will be updated.
Windows PE WIM C:\ReferenceShare\Boot\LiteTouchPE_x86.wim will be used.
Stop Execution

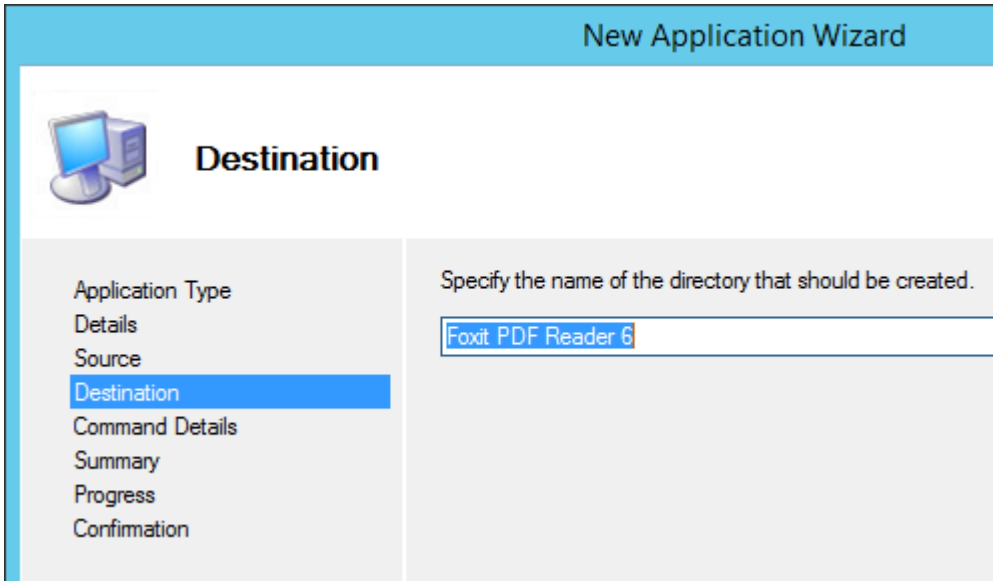

Deployment Workbench
Information Center
Deployment Shares
MDT Reference Share (C:\ReferenceShare)
Applications
Foxit PDF Reader
Java
7zip
Operating Systems
Windows 7
Windows 8
Windows 8.1
Windows Server 2008 R2
Windows Server 2012
Windows Server 2012 R2
Name
Foxit PDF Reader
Java
7zip

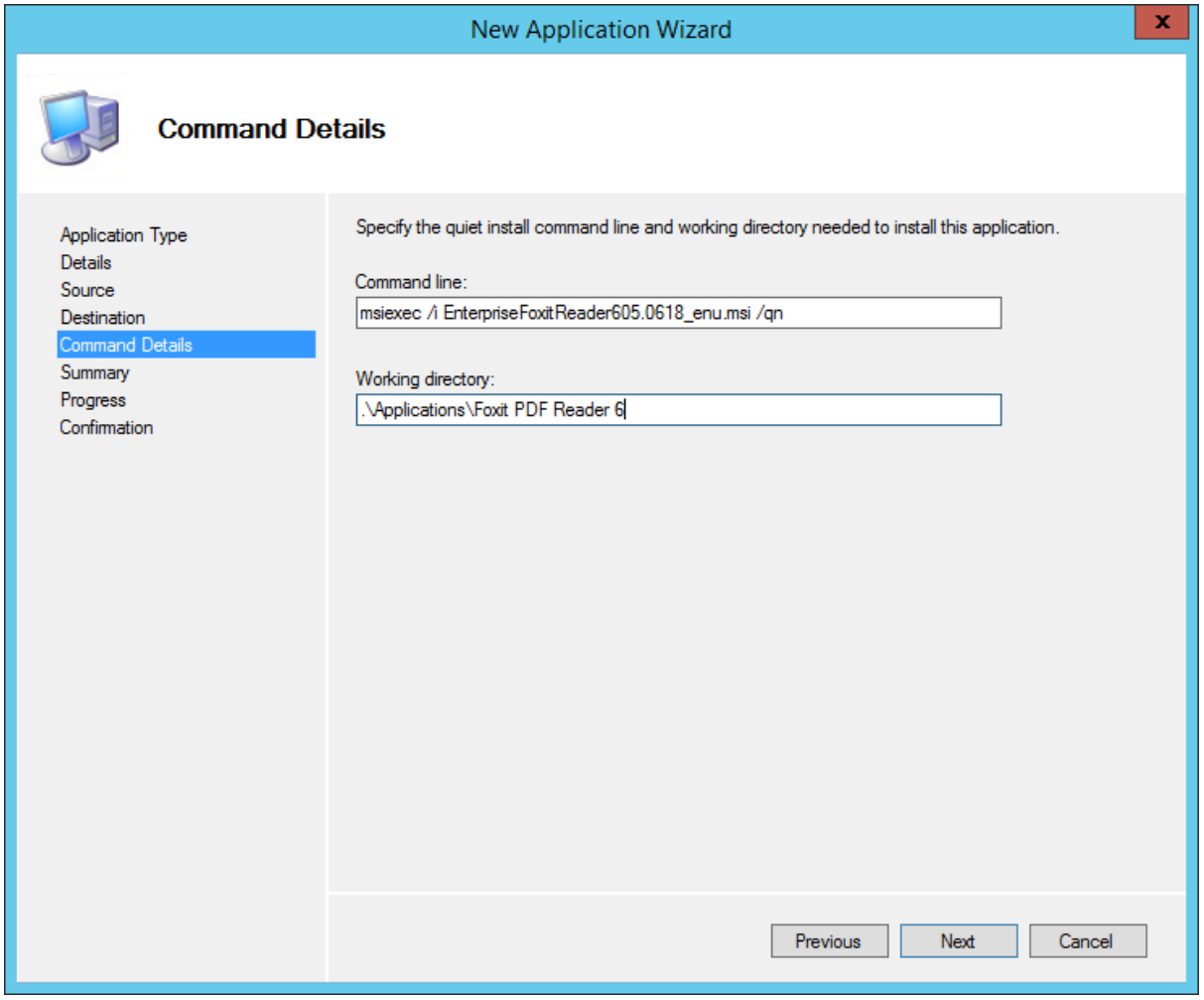

Foxit
File
Home
Share
View
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
Open
Select all
Select none
Invert selection
Select
Foxit
Favorites
Desktop
Downloads
Recent places
This PC
Desktop
Documents
Downloads
Name
Date modified
Type
Size
EnterpriseFoxitReader605.0618_enu
10/25/2013 4:12 AM
Windows Installer ...
54,152 KB


New Application Wizard
Application Type
Application Type
Details
Source
Destination
Command Details
Summary
Progress
Confirmation
Specify the type of application to add.
Application with source files
Copy the source files for this application to the deployment share, which will be used for installing the application.
Application without source files or elsewhere on the network.
Either no source files are required for this application, or the application exists at a separate UNC path (e.g. a DFS share).
Application bundle.
Create a new application bundle. There is no installation command associated with this application. Instead, only the dependencies of this application will be installed. These dependencies can be configured after the item has been added.
Previous
Next
Cancel

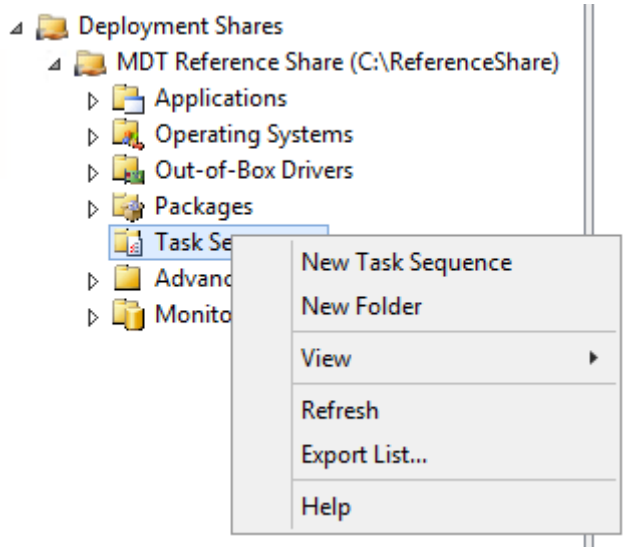

New Application Wizard
Details
Application Type
Details
Source
Destination
Command Details
Summary
Progress
Confirmation
Specify the details for this application.
Publisher: (Optional)
Foxit
Application Name:
PDF Reader
Version: (Optional)
6
Language: (Optional)
en-us
Previous
Next
Cancel

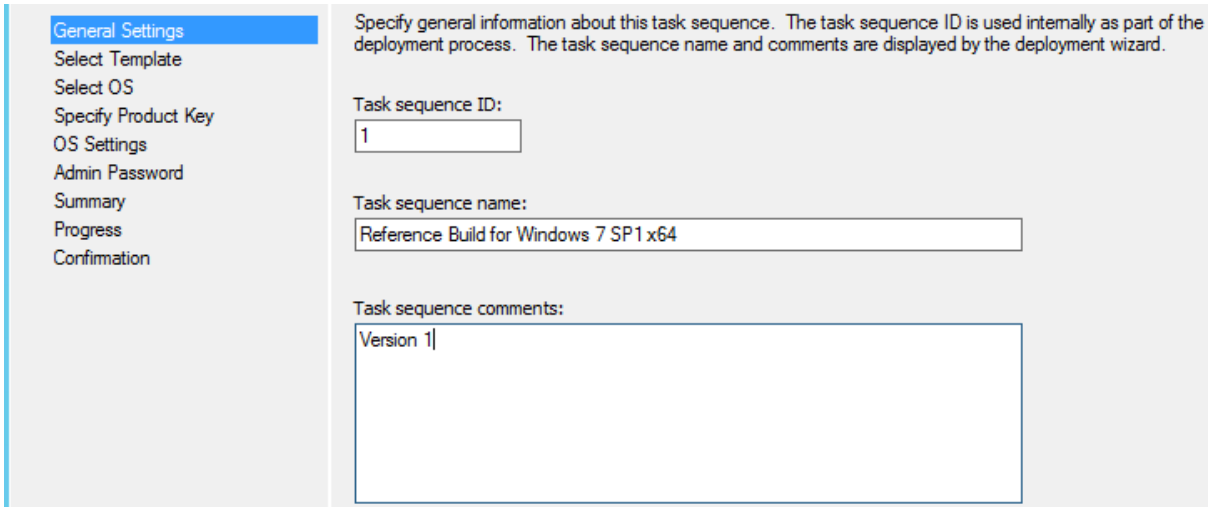

New Application Wizard
Source
Application Type
Details
Source
Destination
Command Details
Summary
Progress
Confirmation
In order to add this application, all the files need to be copied to the deployment share. Specify the location of these files.
Source directory:
C:\Users\Administrator\Desktop\Foxit
Browse...
Move the files to the deployment share instead of copying them.
Previous
Next
Cancel

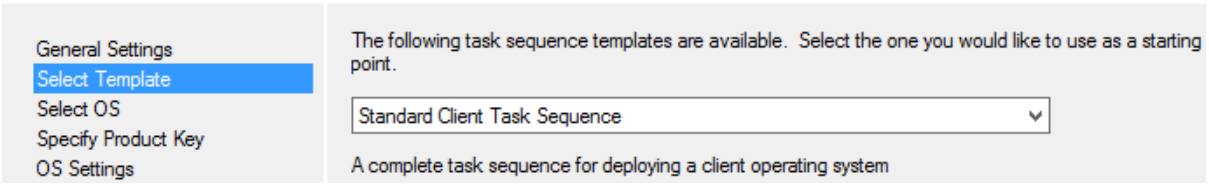

New Application Wizard
Destination
Application Type
Details
Source
Destination
Command Details
Summary
Progress
Confirmation
Specify the name of the directory that should be created.
Foxit PDF Reader 6

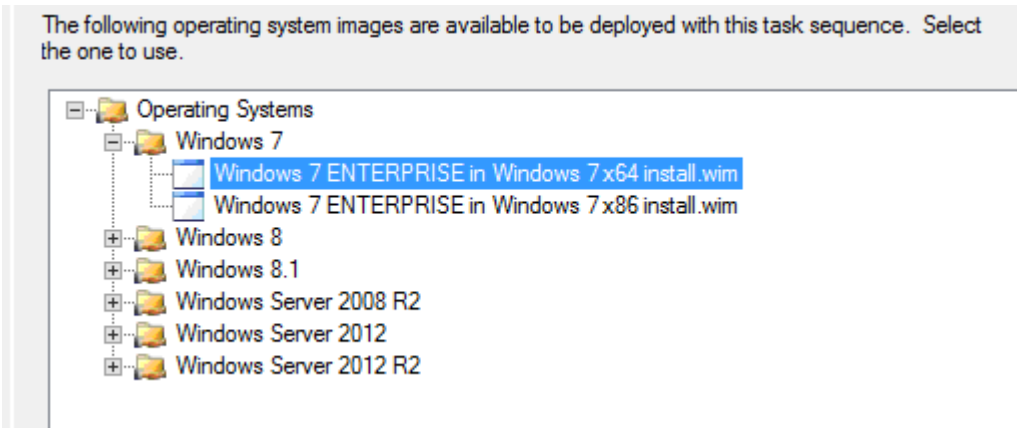

New Application Wizard
Command Details
Application Type
Details
Source
Destination
Command Details
Summary
Progress
Confirmation
Specify the quiet install command line and working directory needed to install this application.
Command line:
msiexec /i EnterpriseFoxitReader605.0618_enu.msi /qn
Working directory:
.\Applications\Foxit PDF Reader 6
Previous
Next
Cancel

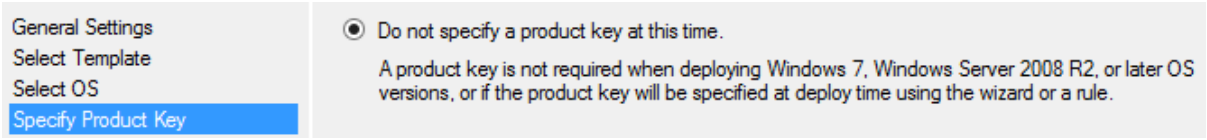
Chapter 3: Creating Reference Images

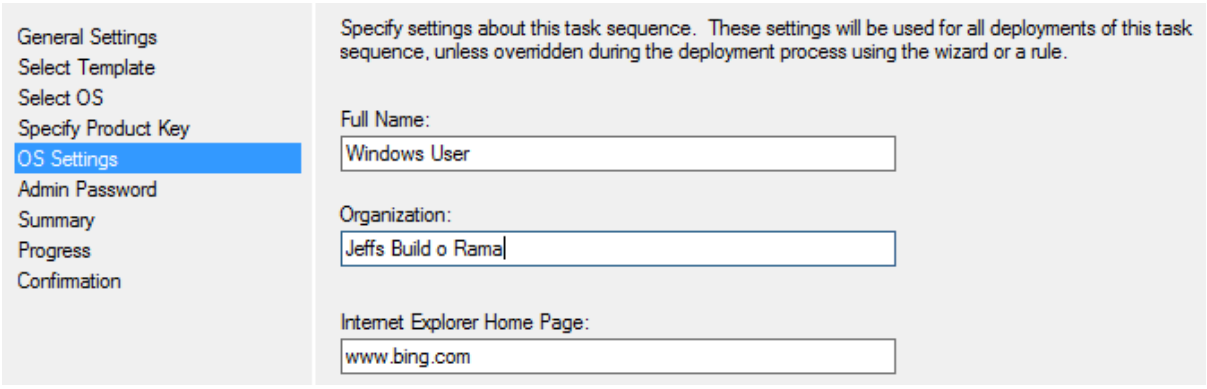


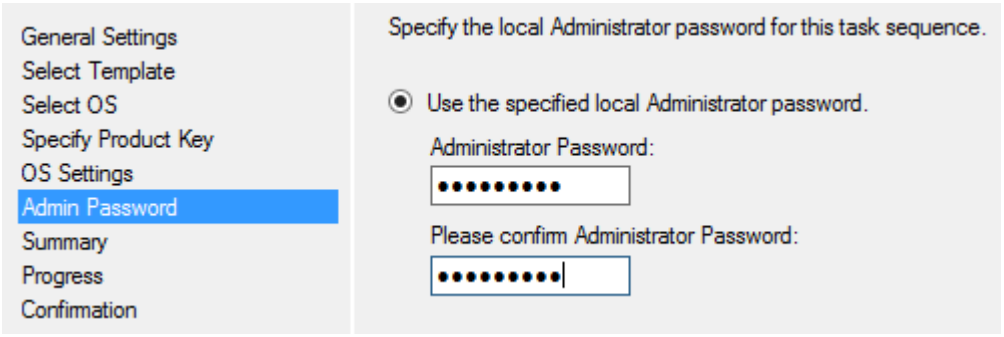






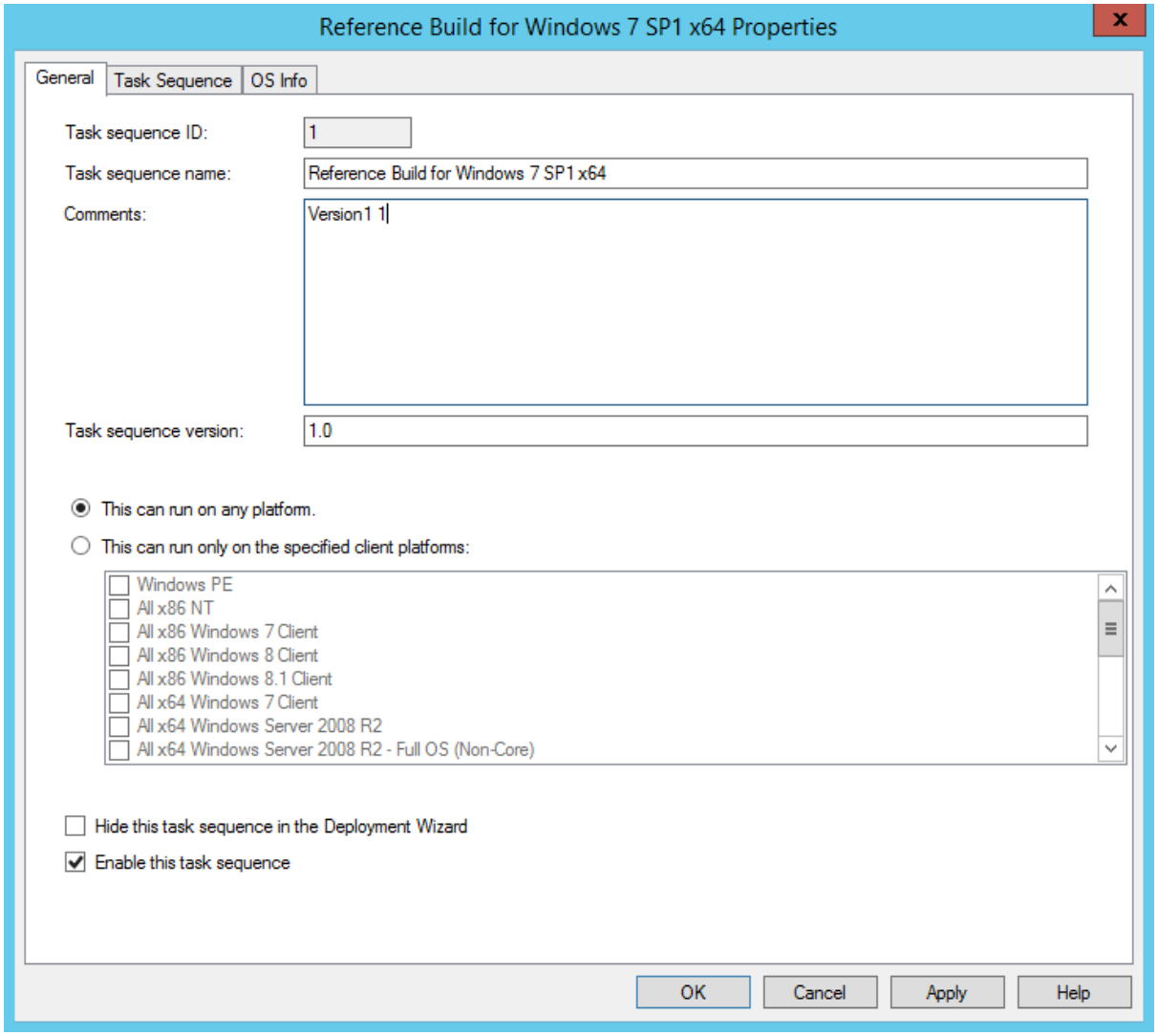


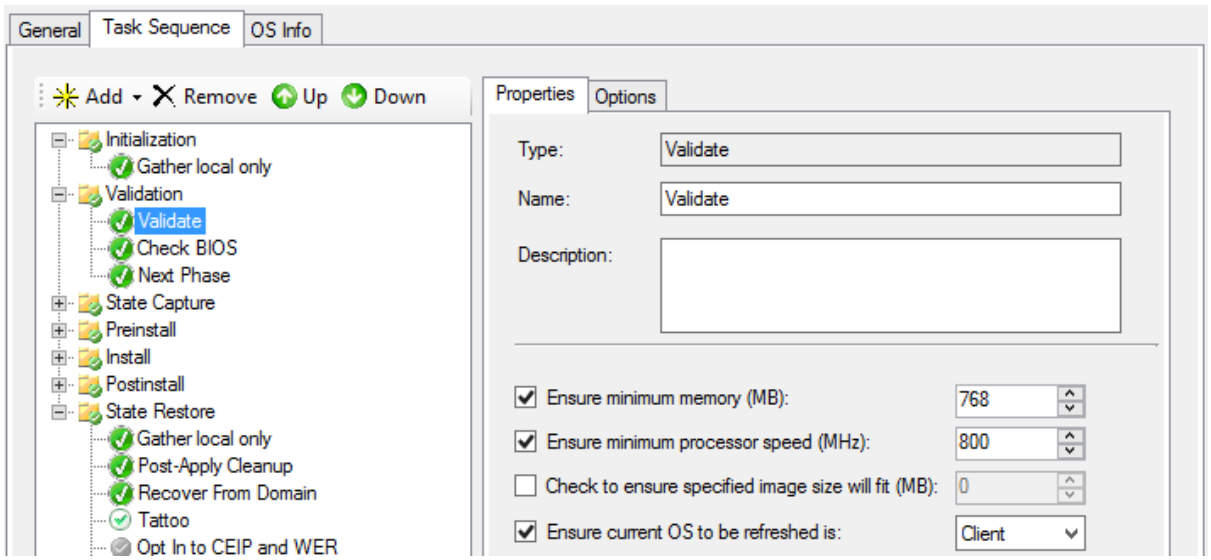


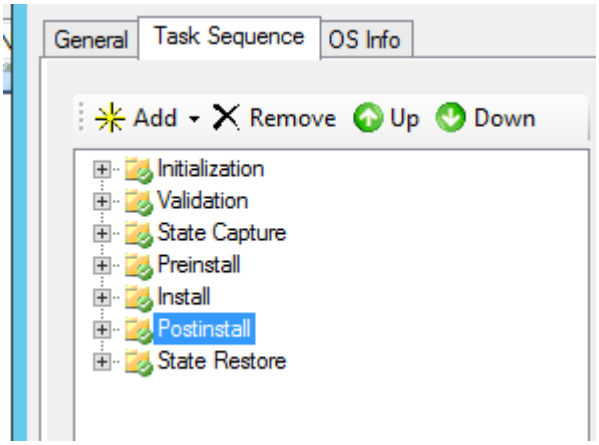


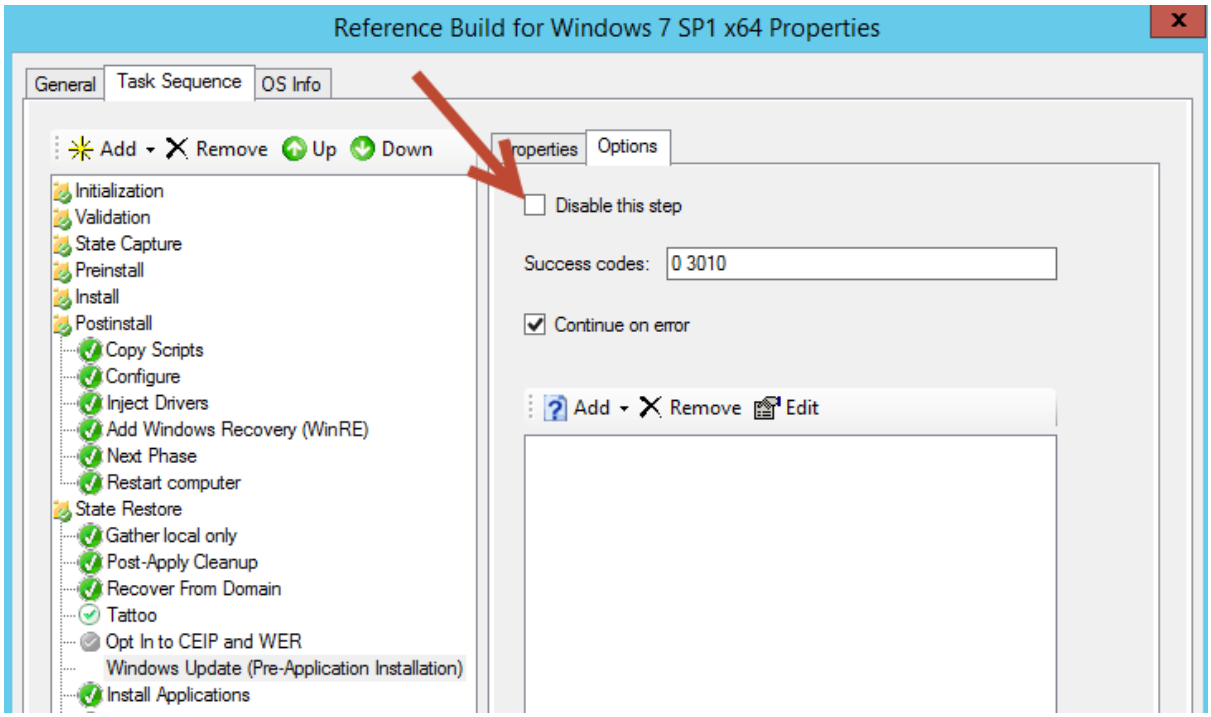
TaskSequenceID:	1
TaskSequenceName:	Reference Build for Windows 7 SP1 x64
TaskSequenceComments:	Version 1
Template:	Client.xml
OperatingSystem:	Windows 7 ENTERPRISE in Windows 7 x64 install.wim
FullName:	Windows User
OrgName:	Jeffs Build o Rama
HomePage:	www.bing.com
AdminPassword:	********

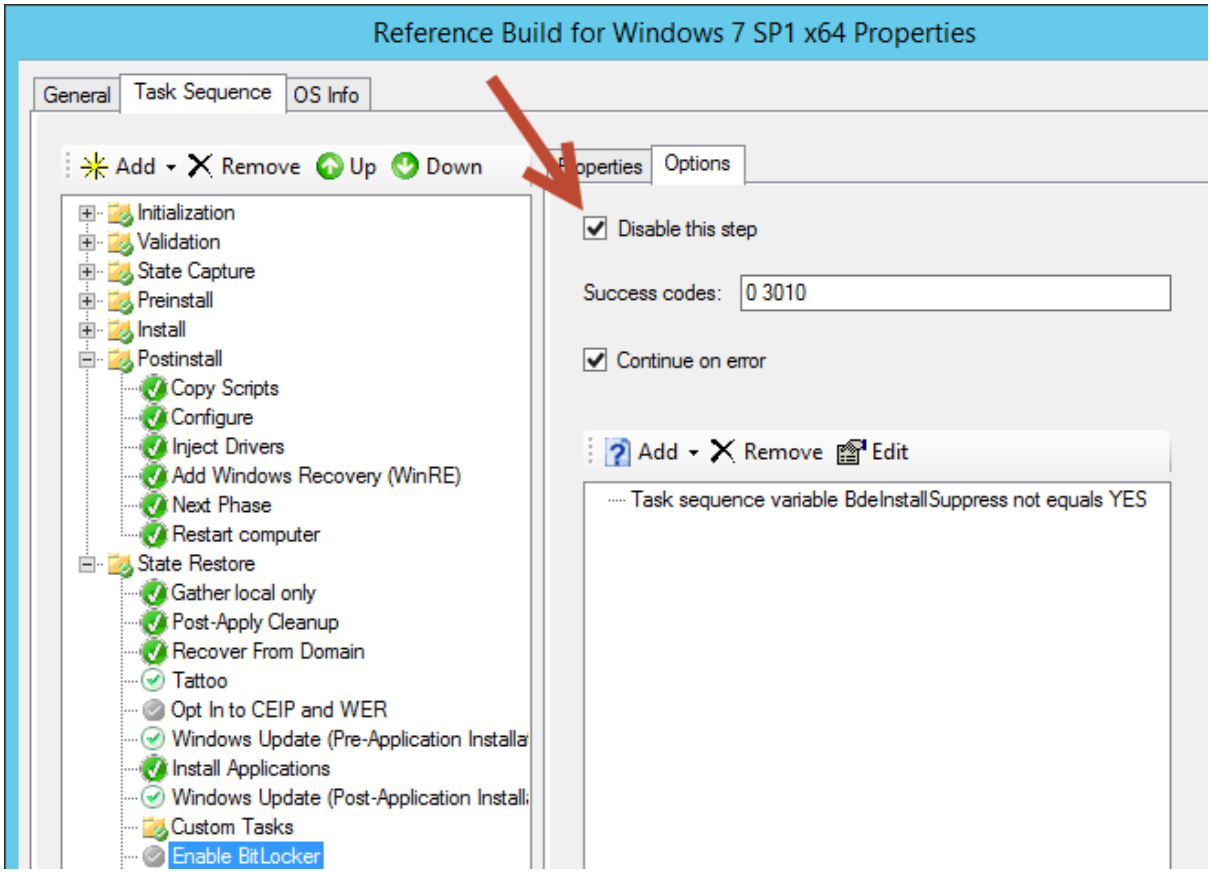
Name	ID	Version	TaskSequenceTemplate	enable	guid
Reference Build for Windows 7 SP1 x64	1	1.0	Client.xml	True	{9838bfe8-0e29-42fc-87dc-05188247e399}

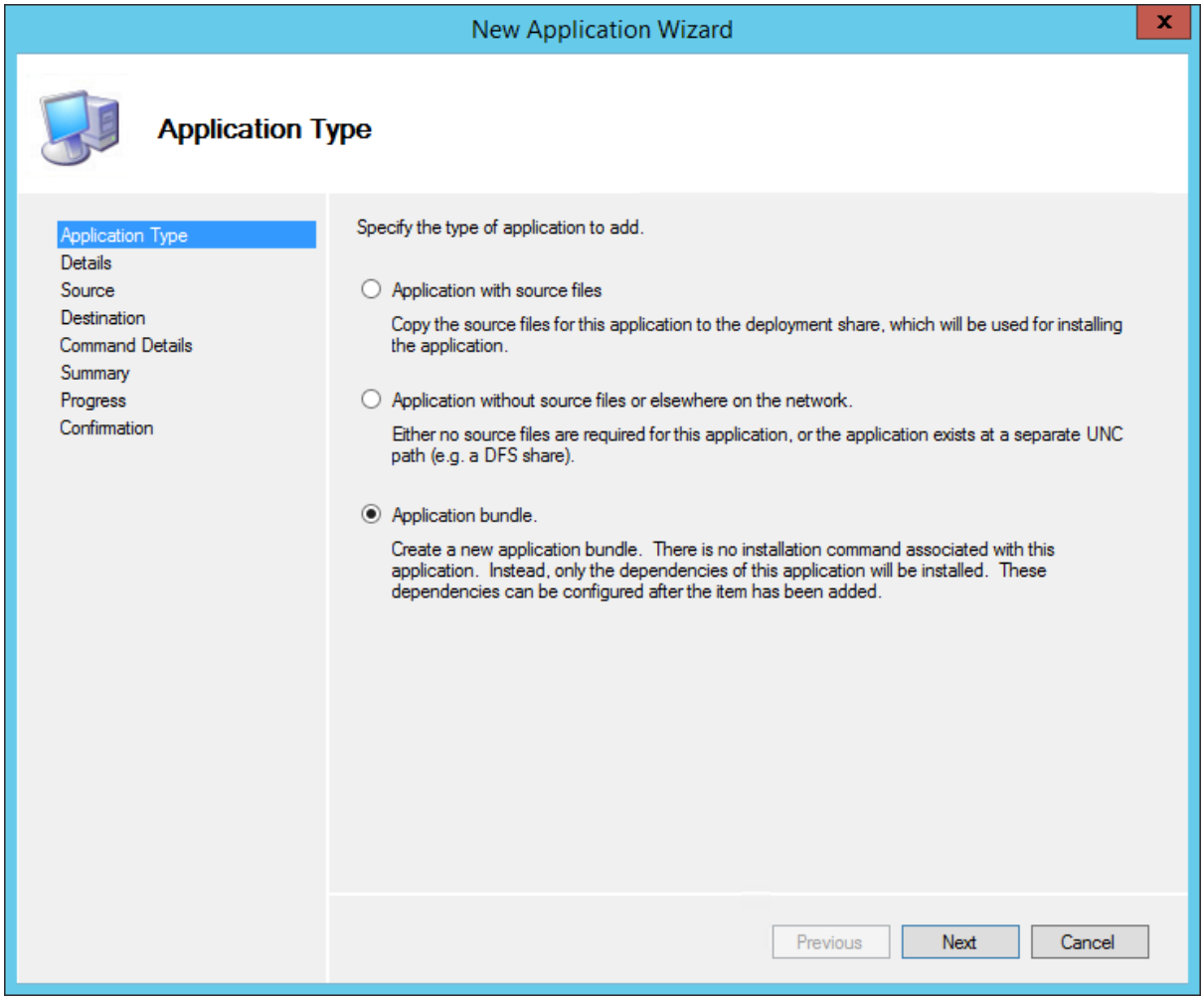

Reference Build for Windows 7 SP1 x64 Properties
General
Task Sequence
OS Info
Task sequence ID:
1
Task sequence name:
Reference Build for Windows 7 SP1 x64
Comments:
Version1 1
Task sequence version:
1.0
This can run on any platform.
This can run only on the specified client platforms:
Windows PE
All x86 NT
All x86 Windows 7 Client
All x86 Windows 8 Client
All x86 Windows 8.1 Client
All x64 Windows 7 Client
All x64 Windows Server 2008 R2
All x64 Windows Server 2008 R2 - Full OS (Non-Core)
Hide this task sequence in the Deployment Wizard
Enable this task sequence
OK
Cancel
Apply
Help

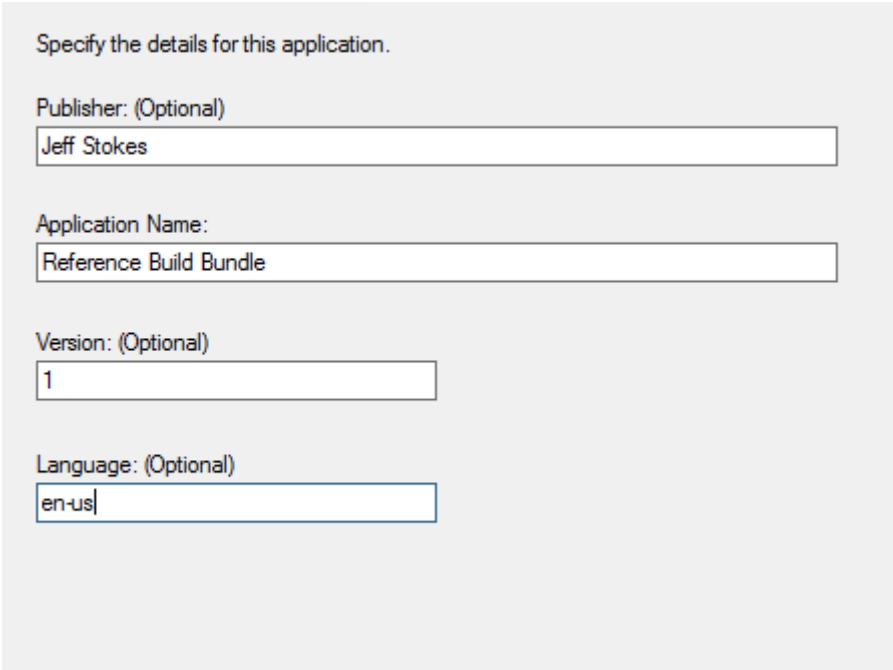

General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Gather local only
Validation
Validate
Check BIOS
Next Phase
State Capture
Preinstall
Install
Postinstall
State Restore
Gather local only
Post-Apply Cleanup
Recover From Domain
Tattoo
Opt In to CEIP and WER
Properties
Options
Type:
Validate
Name:
Validate
Description:
Ensure minimum memory (MB):
768
Ensure minimum processor speed (MHz):
800
Check to ensure specified image size will fit (MB):
0
Ensure current OS to be refreshed is:
Client

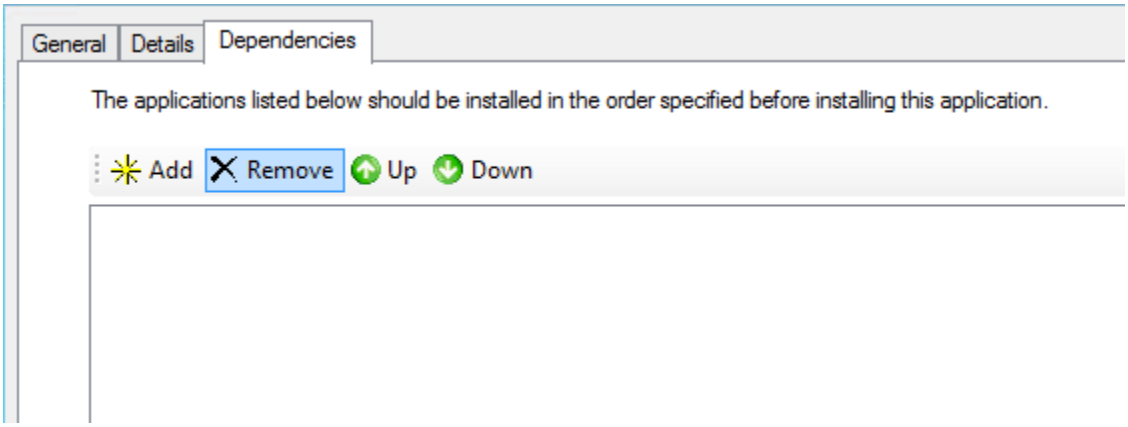

General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Validation
State Capture
Preinstall
Install
Postinstall
State Restore

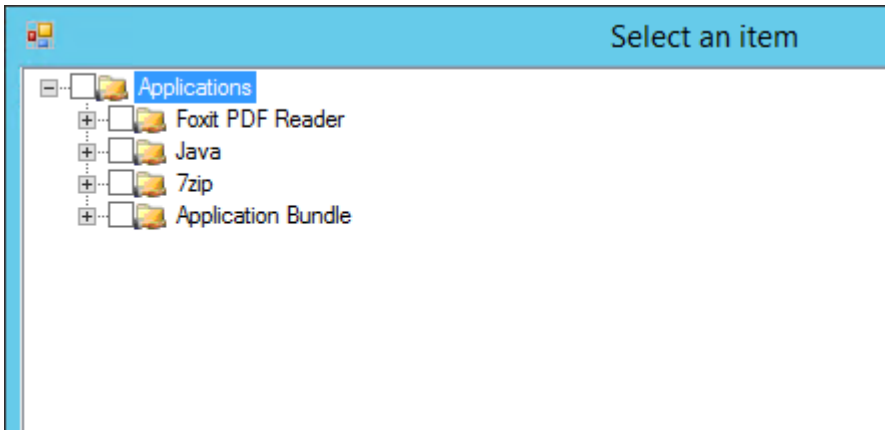

Reference Build for Windows 7 SP1 x64 Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Validation
State Capture
Preinstall
Install
Postinstall
Copy Scripts
Configure
Inject Drivers
Add Windows Recovery (WinRE)
Next Phase
Restart computer
State Restore
Gather local only
Post-Apply Cleanup
Recover From Domain
Tattoo
Opt In to CEIP and WER
Windows Update (Pre-Application Installation)
Install Applications
roperties
Options
Disable this step
Success codes:
0 3010
Continue on error
Add
Remove
Edit

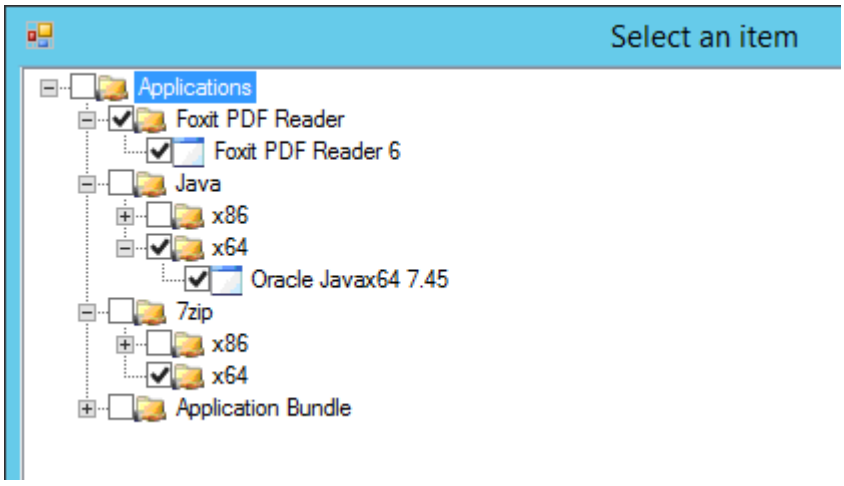

Reference Build for Windows 7 SP1 x64 Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Validation
State Capture
Preinstall
Install
Postinstall
Copy Scripts
Configure
Inject Drivers
Add Windows Recovery (WinRE)
Next Phase
Restart computer
State Restore
Gather local only
Post-Apply Cleanup
Recover From Domain
Tattoo
Opt In to CEIP and WER
Windows Update (Pre-Application Installa
Install Applications
Windows Update (Post-Application Install
Custom Tasks
Enable BitLocker
operties
Options
Disable this step
Success codes:
0 3010
Continue on error
Add
Remove
Edit
Task sequence variable BdeInstallSuppress not equals YES

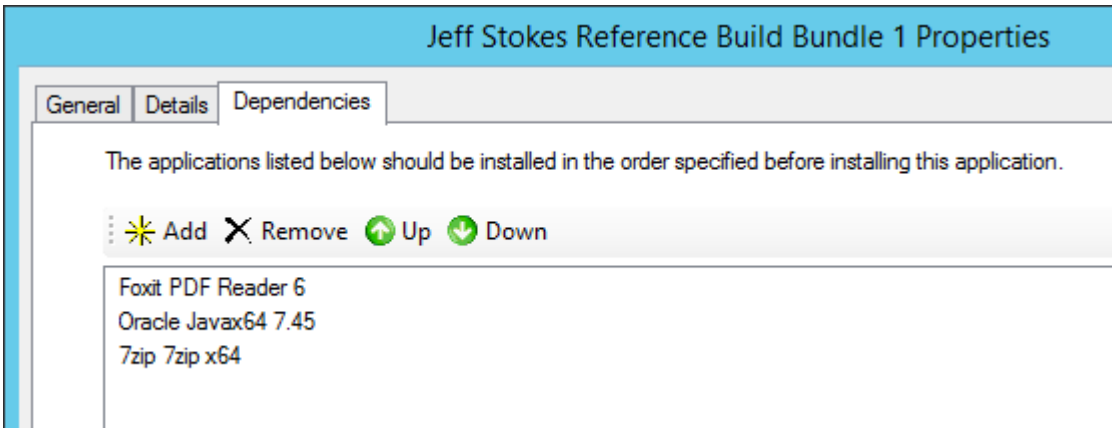

New Application Wizard
Application Type
Application Type
Details
Source
Destination
Command Details
Summary
Progress
Confirmation
Specify the type of application to add.
Application with source files
Copy the source files for this application to the deployment share, which will be used for installing the application.
Application without source files or elsewhere on the network.
Either no source files are required for this application, or the application exists at a separate UNC path (e.g. a DFS share).
Application bundle.
Create a new application bundle. There is no installation command associated with this application. Instead, only the dependencies of this application will be installed. These dependencies can be configured after the item has been added.
Previous
Next
Cancel

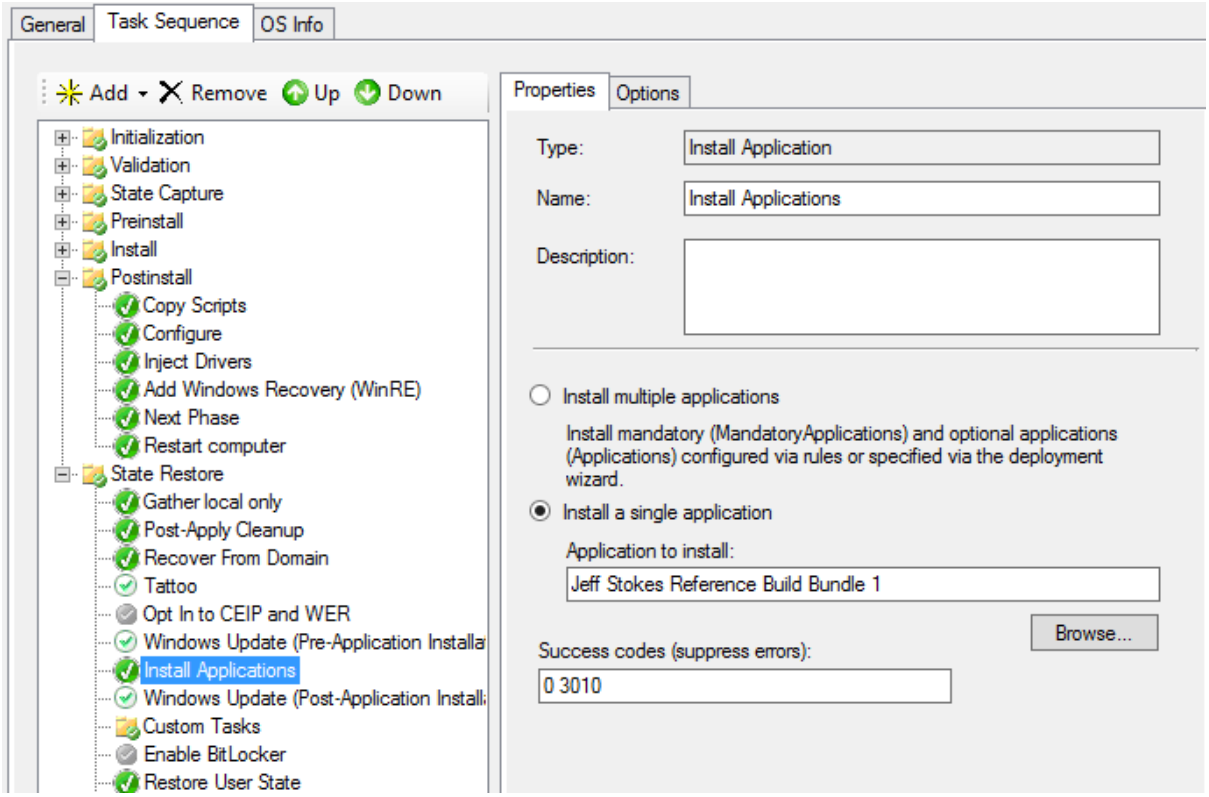

Specify the details for this application.
Publisher: (Optional)
Jeff Stokes
Application Name:
Reference Build Bundle
Version: (Optional)
1
Language: (Optional)
en-us

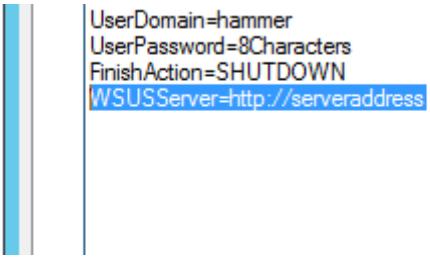

General
Details
Dependencies
The applications listed below should be installed in the order specified before installing this application.
Add
Remove
Up
Down


Select an item
Applications
Foxit PDF Reader
Java
7zip
Application Bundle

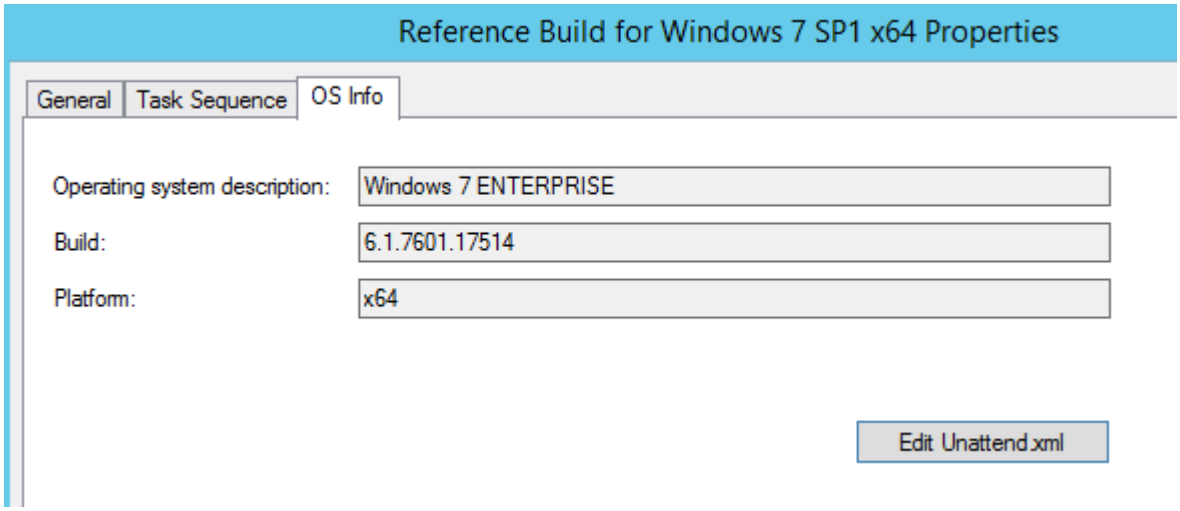

Select an item
Applications
Foxit PDF Reader
Foxit PDF Reader 6
Java
x86
x64
Oracle Javax64 7.45
7zip
x86
x64
Application Bundle

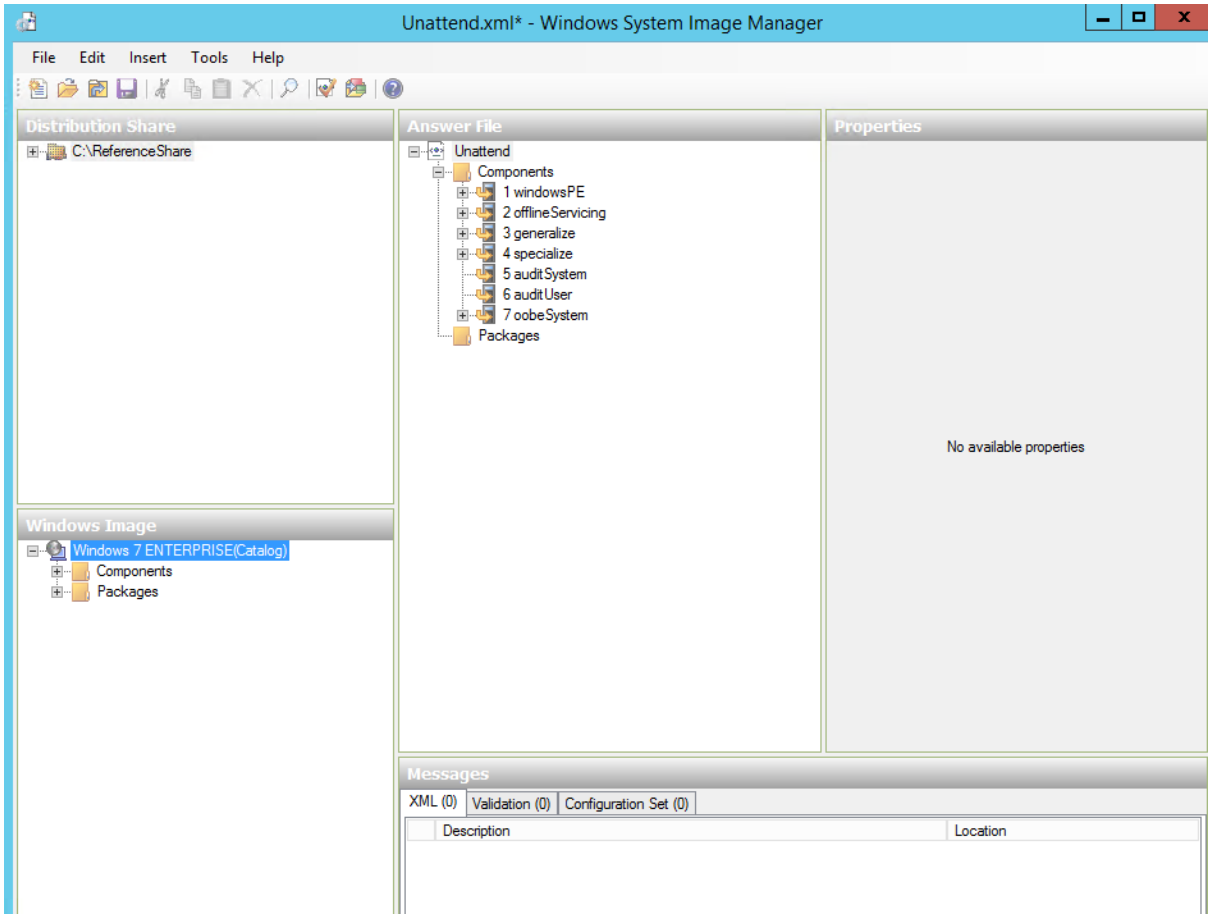

Jeff Stokes Reference Build Bundle 1 Properties
General
Details
Dependencies
The applications listed below should be installed in the order specified before installing this application.
Add
Remove
Up
Down
Foxit PDF Reader 6
Oracle Javax64 7.45
7zip 7zip x64

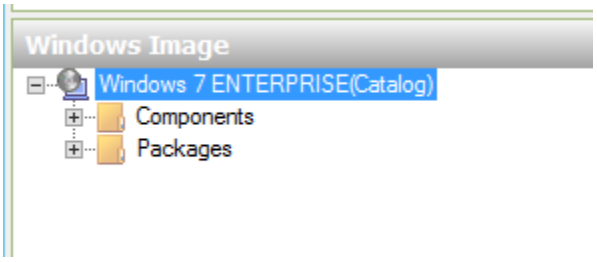

General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Validation
State Capture
Preinstall
Install
Postinstall
Copy Scripts
Configure
Inject Drivers
Add Windows Recovery (WinRE)
Next Phase
Restart computer
State Restore
Gather local only
Post-Apply Cleanup
Recover From Domain
Tattoo
Opt In to CEIP and WER
Windows Update (Pre-Application Installa
Install Applications
Windows Update (Post-Application Install
Custom Tasks
Enable BitLocker
Restore User State
Properties
Options
Type:
Install Application
Name:
Install Applications
Description:
Install multiple applications
Install mandatory (MandatoryApplications) and optional applications (Applications) configured via rules or specified via the deployment wizard.
Install a single application
Application to install:
Jeff Stokes Reference Build Bundle 1
Browse...
Success codes (suppress errors):
0 3010

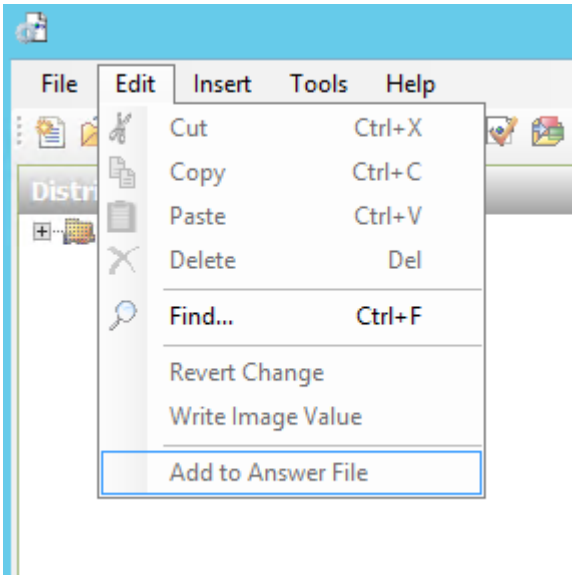

UserDomain=hammer
UserPassword=8Characters
FinishAction=SHUTDOWN
WSUSServer=http://serveraddress

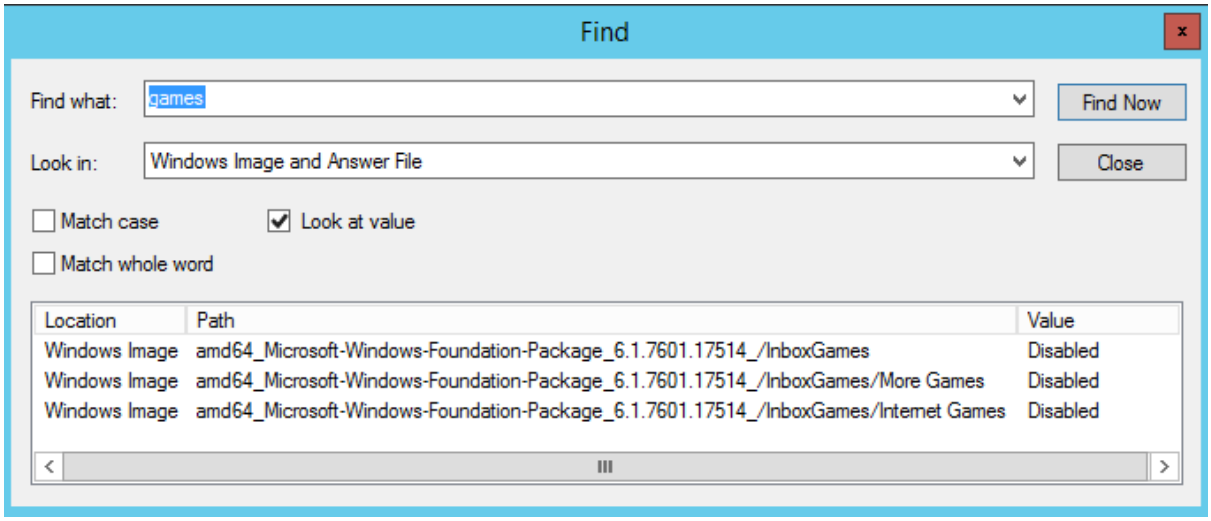
Chapter 4: Default User Profile Customization

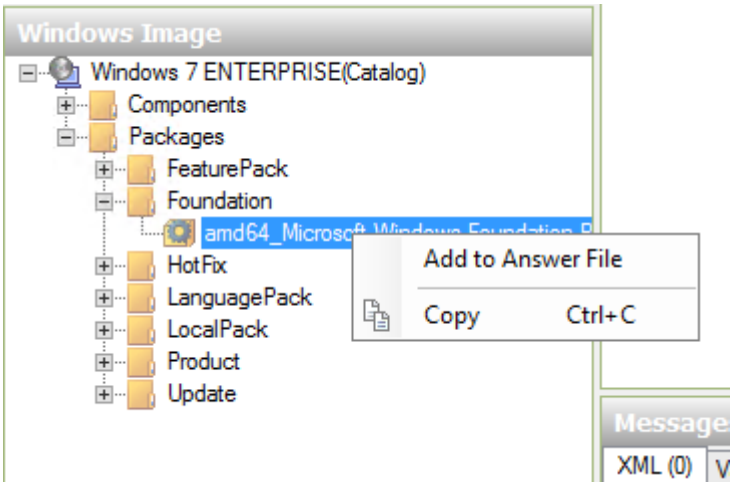


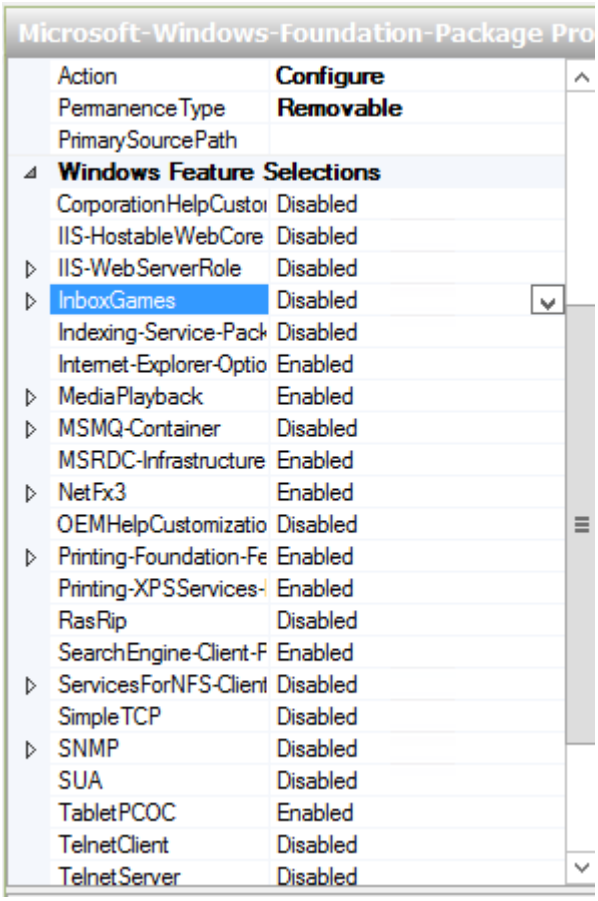


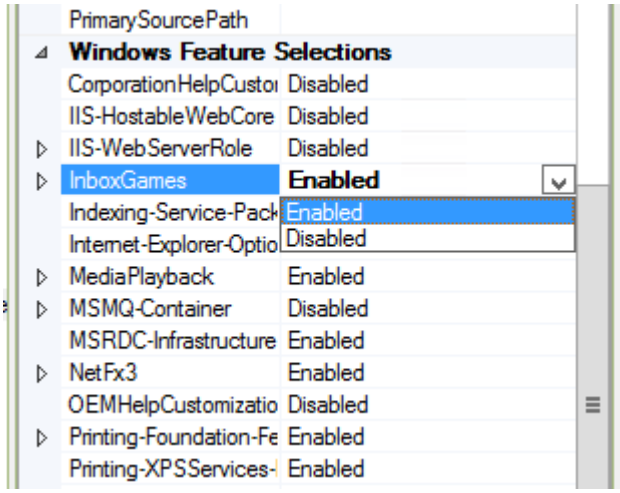


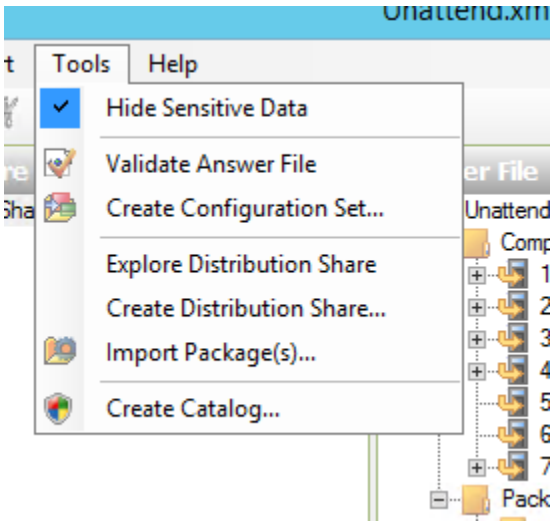

File
Edit
Insert
Tools
Help
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Delete Del
Find... Ctrl+F
Revert Change
Write Image Value
Add to Answer File

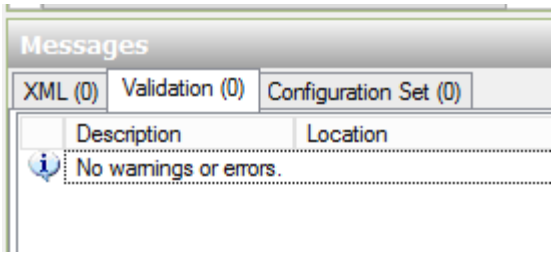

Find
Find what: games
Find Now
Look in: Windows Image and Answer File
Close
Match case
Look at value
Match whole word
Location Path Value
Windows Image amd64_Microsoft-Windows-Foundation-Package_6.1.7601.17514_/InboxGames Disabled
Windows Image amd64_Microsoft-Windows-Foundation-Package_6.1.7601.17514_/InboxGames/More Games Disabled
Windows Image amd64_Microsoft-Windows-Foundation-Package_6.1.7601.17514_/InboxGames/Internet Games Disabled

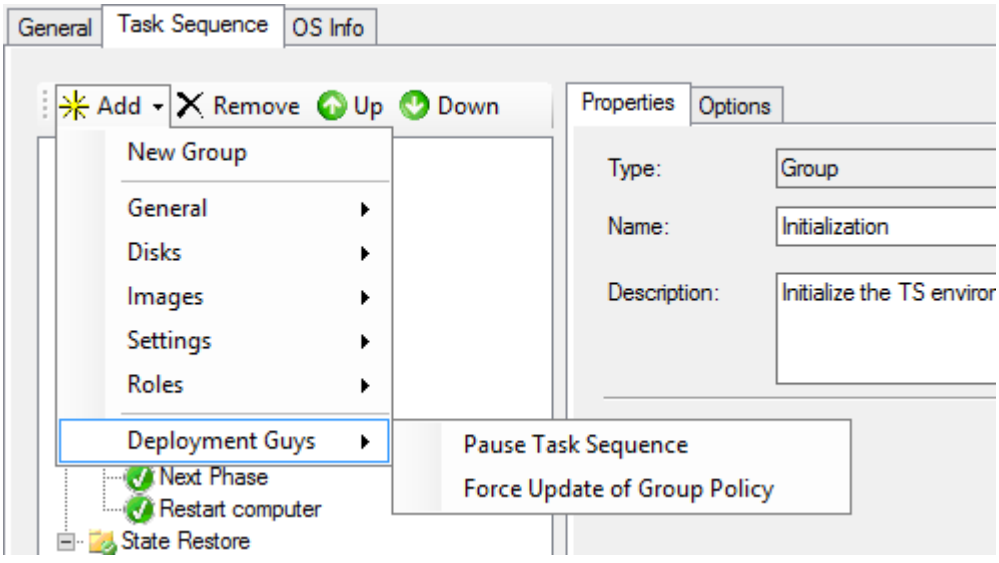

Windows Image
Windows 7 ENTERPRISE(Catalog)
Components
Packages
FeaturePack
Foundation
HotFix
LanguagePack
LocalPack
Product
Update
Add to Answer File
Copy Ctrl+C
XML (0)

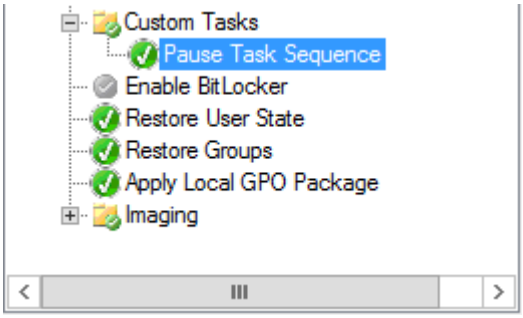

Microsoft-Windows-Foundation-Package Pro
Action
Configure
PermanenceType
Removable
PrimarySourcePath
Windows Feature Selections
CorporationHelpCusto
Disabled
IIS-HostableWebCore
Disabled
IIS-WebServerRole
Disabled
InboxGames
Disabled
Indexing-Service-Pack
Disabled
Internet-Explorer-Optio
Enabled
MediaPlayback
Enabled
MSMQ-Container
Disabled
MSRDC-Infrastructure
Enabled
NetFx3
Enabled
OEMHelpCustomizatio
Disabled
Printing-Foundation-Fe
Enabled
Printing-XPSServices-
Enabled
RasRip
Disabled
SearchEngine-Client-F
Enabled
ServicesForNFS-Client
Disabled
SimpleTCP
Disabled
SNMP
Disabled
SUA
Disabled
TabletPCOC
Enabled
TelnetClient
Disabled
TelnetServer
Disabled

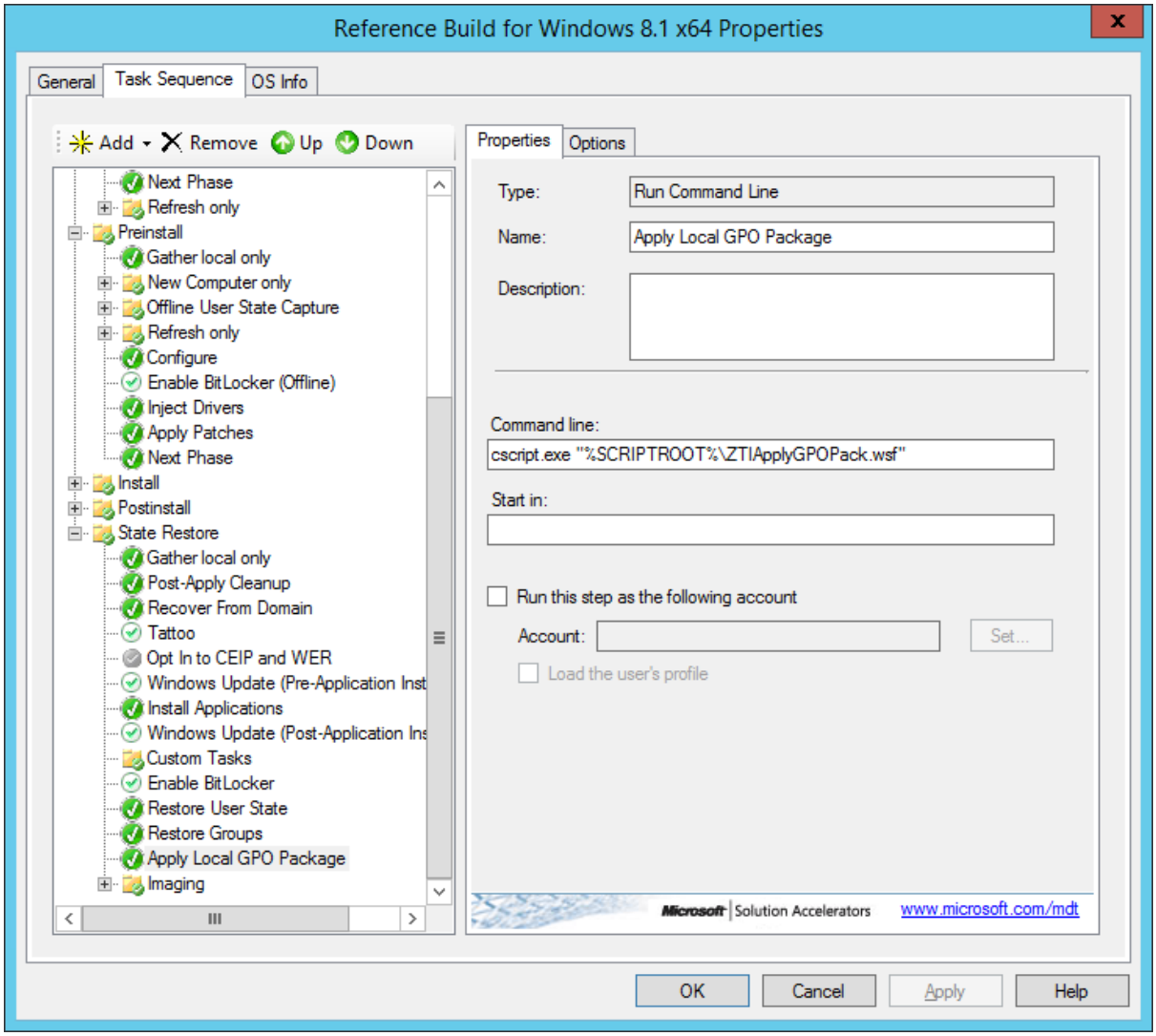

PrimarySourcePath
Windows Feature Selections
CorporationHelpCusto
Disabled
IIS-HostableWebCore
Disabled
IIS-WebServerRole
Disabled
InboxGames
Enabled
Indexing-Service-Pack
Enabled
Disabled
Internet-Explorer-Optio
MediaPlayback
Enabled
MSMQ-Container
Disabled
MSRDC-Infrastructure
Enabled
NetFx3
Enabled
OEMHelpCustomizatio
Disabled
Printing-Foundation-Fe
Enabled
Printing-XPSServices-
Enabled

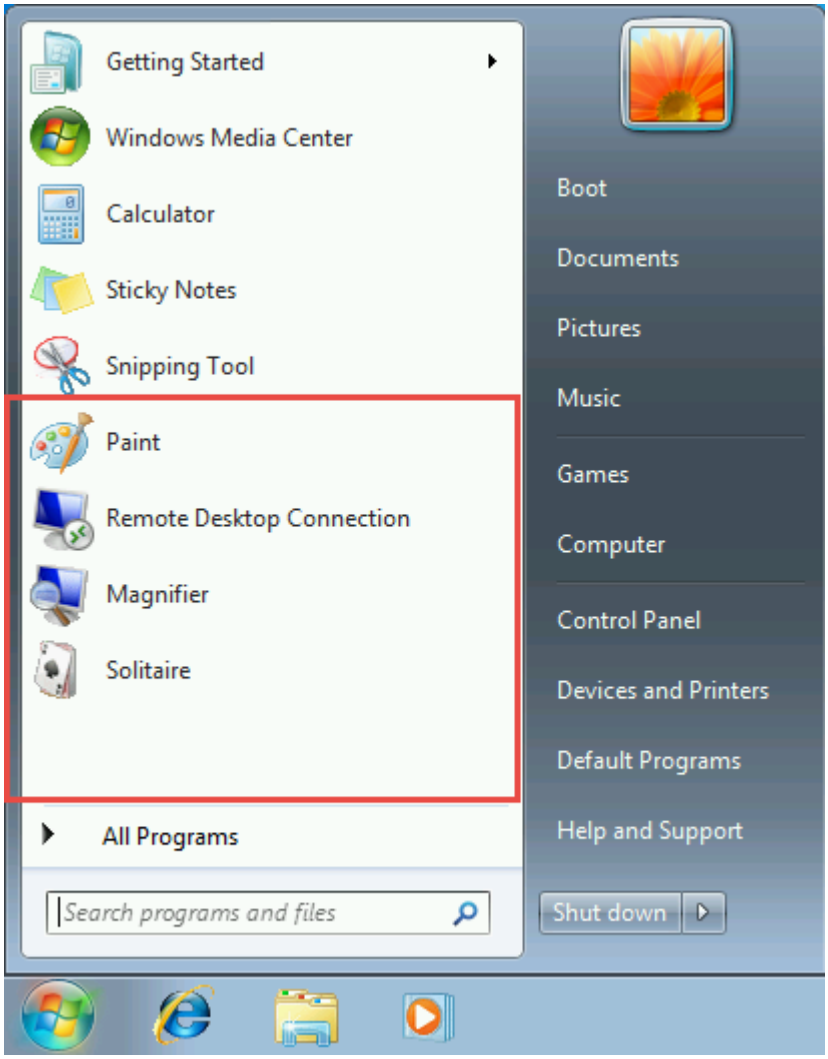

Tools
Help
Hide Sensitive Data
Validate Answer File
Create Configuration Set...
Explore Distribution Share
Create Distribution Share...
Import Package(s)...
Create Catalog...

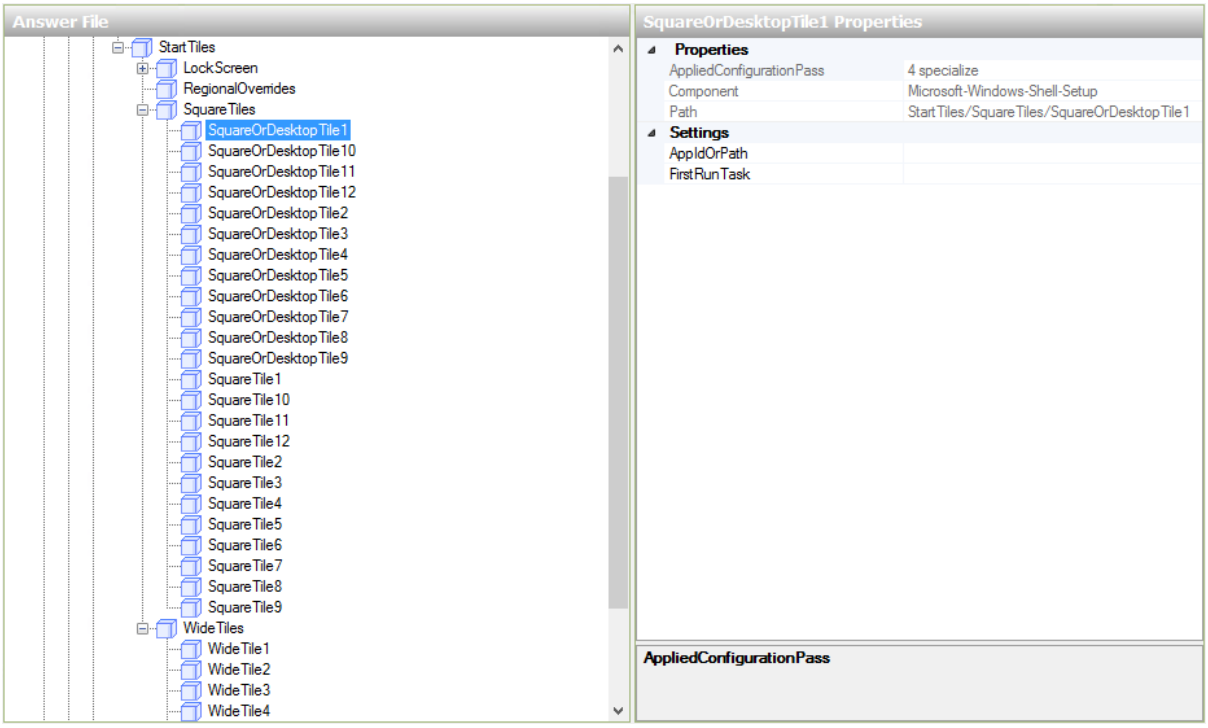

Messages
XML (0)
Validation (0)
Configuration Set (0)
Description
Location
No warnings or errors.


General
Task Sequence
OS Info
Add
Remove
Up
Down
New Group
General
Disks
Images
Settings
Roles
Deployment Guys
Pause Task Sequence
Force Update of Group Policy
Next Phase
Restart computer
State Restore
Properties
Options
Type:
Group
Name:
Initialization
Description:
Initialize the TS enviror

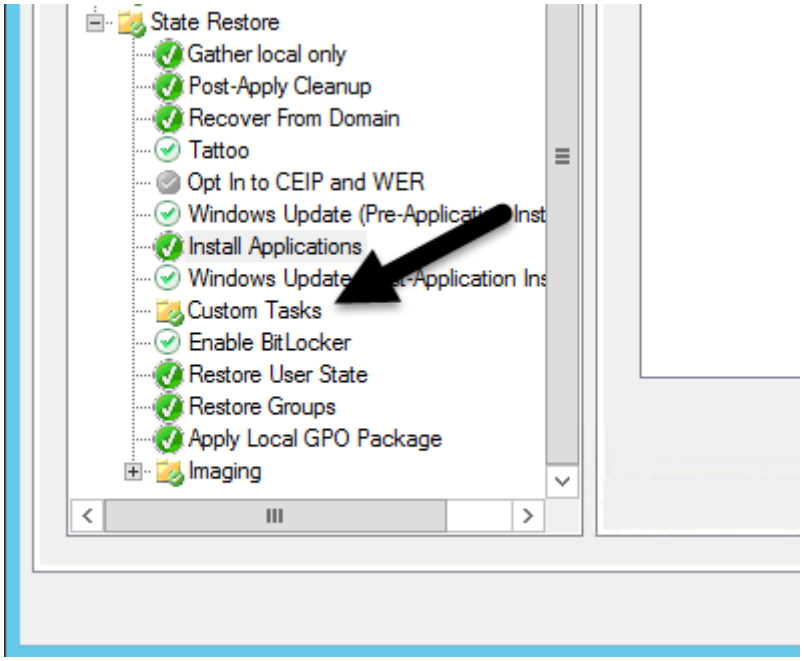

Custom Tasks
Pause Task Sequence
Enable BitLocker
Restore User State
Restore Groups
Apply Local GPO Package
Imaging

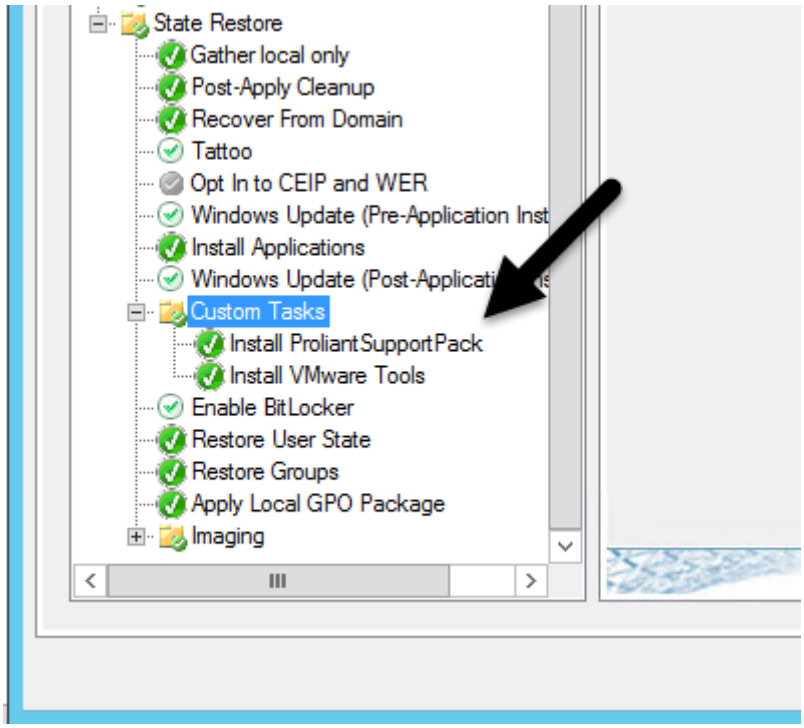

Reference Build for Windows 8.1 x64 Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
Next Phase
Refresh only
Preinstall
Gather local only
New Computer only
Offline User State Capture
Refresh only
Configure
Enable BitLocker (Offline)
Inject Drivers
Apply Patches
Next Phase
Install
Postinstall
State Restore
Gather local only
Post-Apply Cleanup
Recover From Domain
Tattoo
Opt In to CEIP and WER
Windows Update (Pre-Application Inst
Install Applications
Windows Update (Post-Application Ins
Custom Tasks
Enable BitLocker
Restore User State
Restore Groups
Apply Local GPO Package
Imaging
Properties
Options
Type:
Run Command Line
Name:
Apply Local GPO Package
Description:
Command line:
cscript.exe "%SCRIPTROOT%\ZTIApplyGPOPack.wsf"
Start in:
Run this step as the following account
Account:
Set...
Load the user's profile
Microsoft Solution Accelerators
www.microsoft.com/mdt
OK
Cancel
Apply
Help

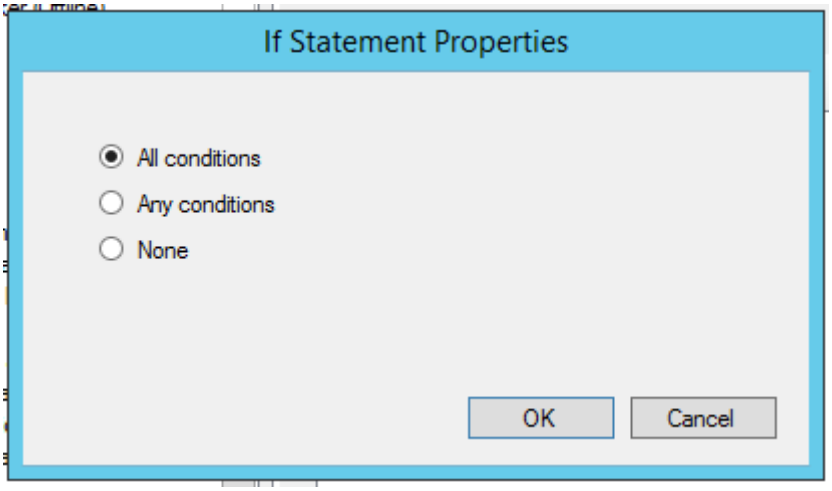

Getting Started
Windows Media Center
Calculator
Sticky Notes
Snipping Tool
Paint
Remote Desktop Connection
Magnifier
Solitaire
All Programs
Search programs and files
Boot
Documents
Pictures
Music
Games
Computer
Control Panel
Devices and Printers
Default Programs
Help and Support
Shut down

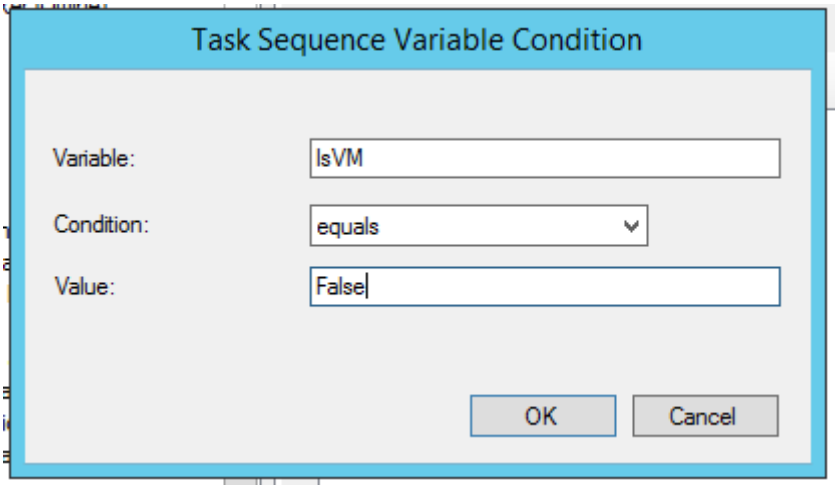

Answer File
StartTiles
LockScreen
RegionalOverrides
SquareTiles
SquareOrDesktopTile1
SquareOrDesktopTile10
SquareOrDesktopTile11
SquareOrDesktopTile12
SquareOrDesktopTile2
SquareOrDesktopTile3
SquareOrDesktopTile4
SquareOrDesktopTile5
SquareOrDesktopTile6
SquareOrDesktopTile7
SquareOrDesktopTile8
SquareOrDesktopTile9
SquareTile1
SquareTile10
SquareTile11
SquareTile12
SquareTile2
SquareTile3
SquareTile4
SquareTile5
SquareTile6
SquareTile7
SquareTile8
SquareTile9
WideTiles
WideTile1
WideTile2
WideTile3
WideTile4
SquareOrDesktopTile1 Properties
Properties
AppliedConfigurationPass
4 specialize
Component
Microsoft-Windows-Shell-Setup
Path
StartTiles/SquareTiles/SquareOrDesktopTile1
Settings
AppIdOrPath
FirstRunTask
AppliedConfigurationPass

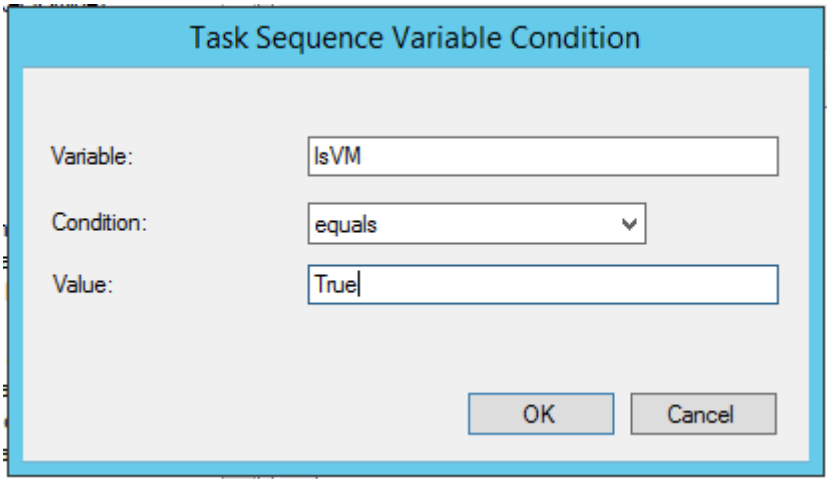
Chapter 5: CustomSettings.ini and Task Sequence

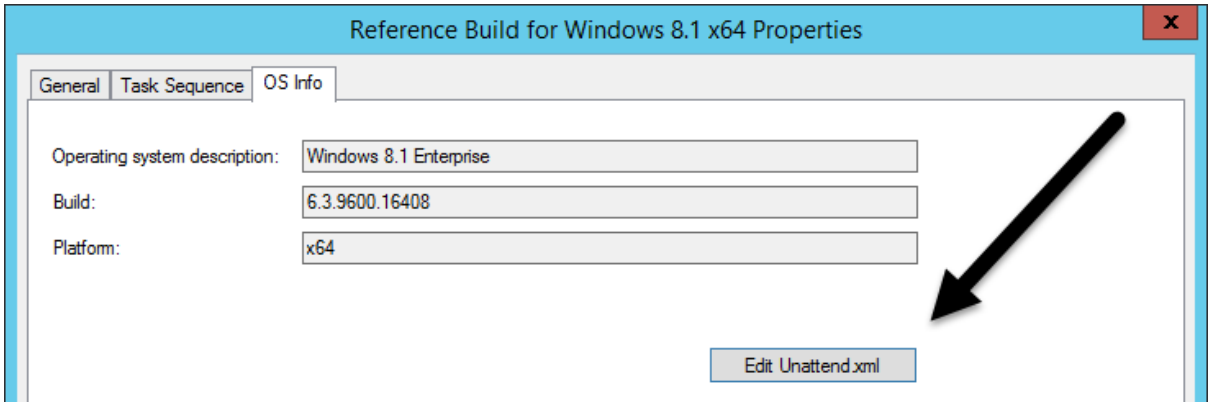


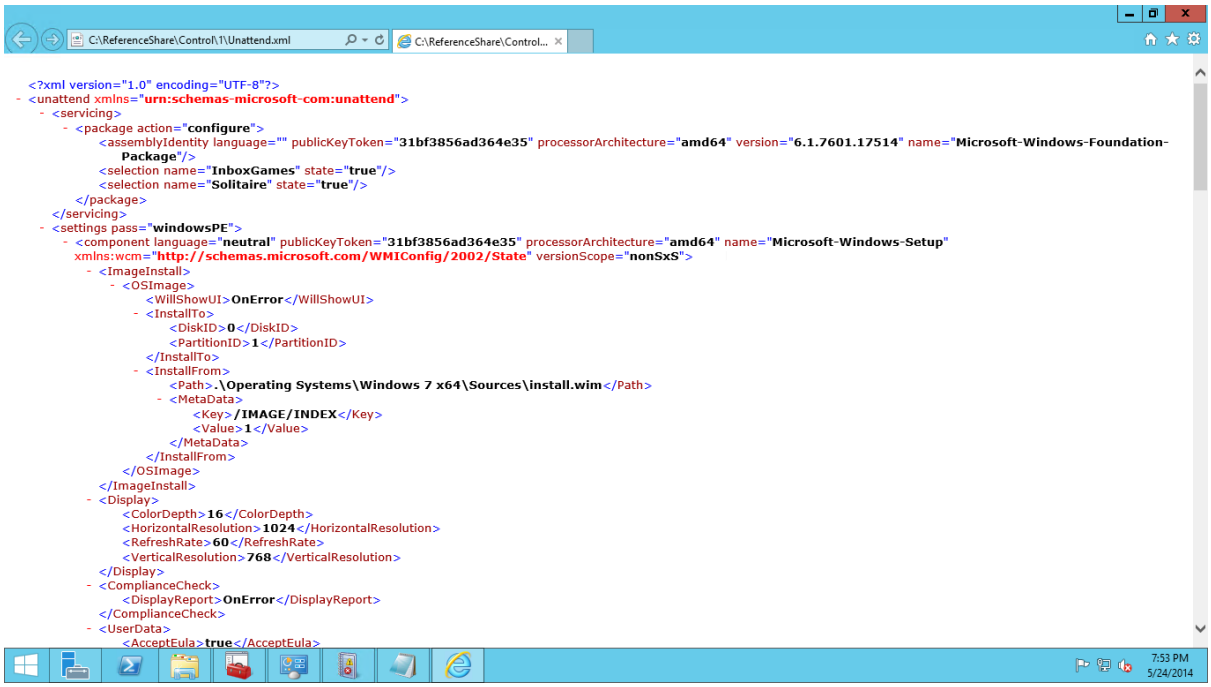



If Statement Properties
All conditions
Any conditions
None
OK
Cancel

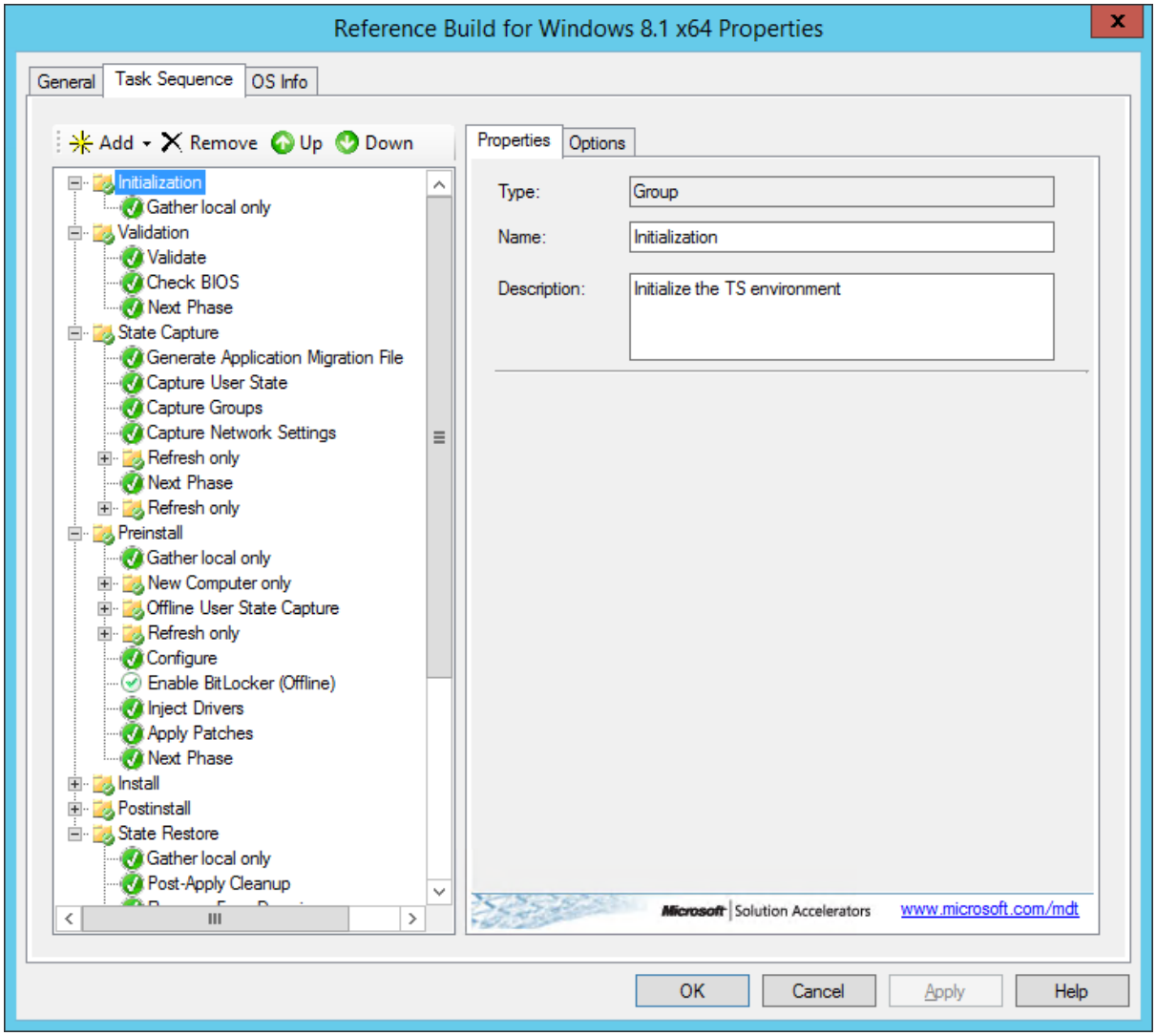

Task Sequence Variable Condition
Variable:
IsVM
Condition:
equals
Value:
False
OK
Cancel

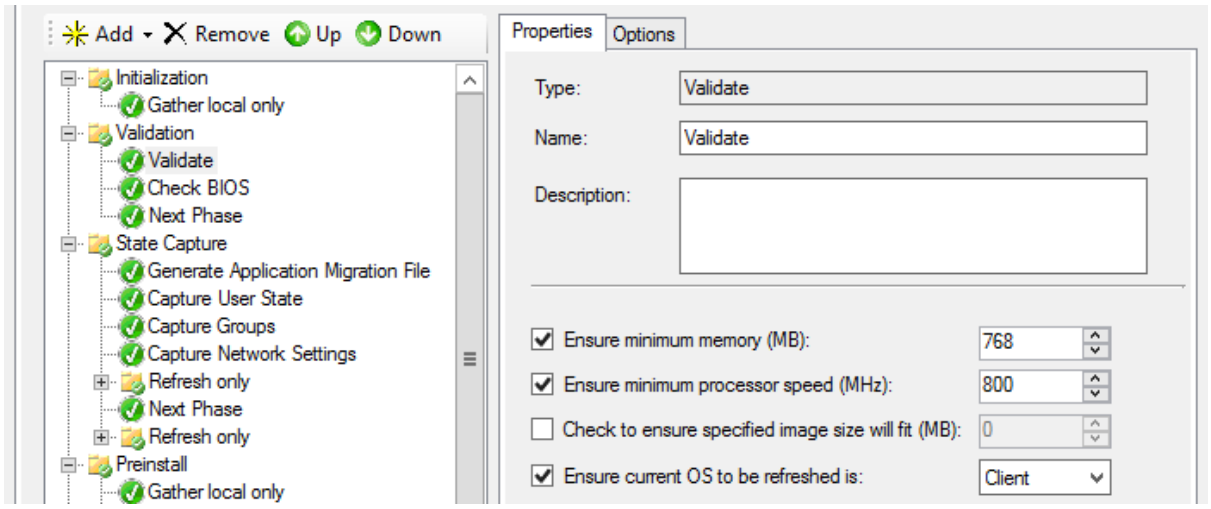

Task Sequence Variable Condition
Variable:
IsVM
Condition:
equals
Value:
True
OK
Cancel

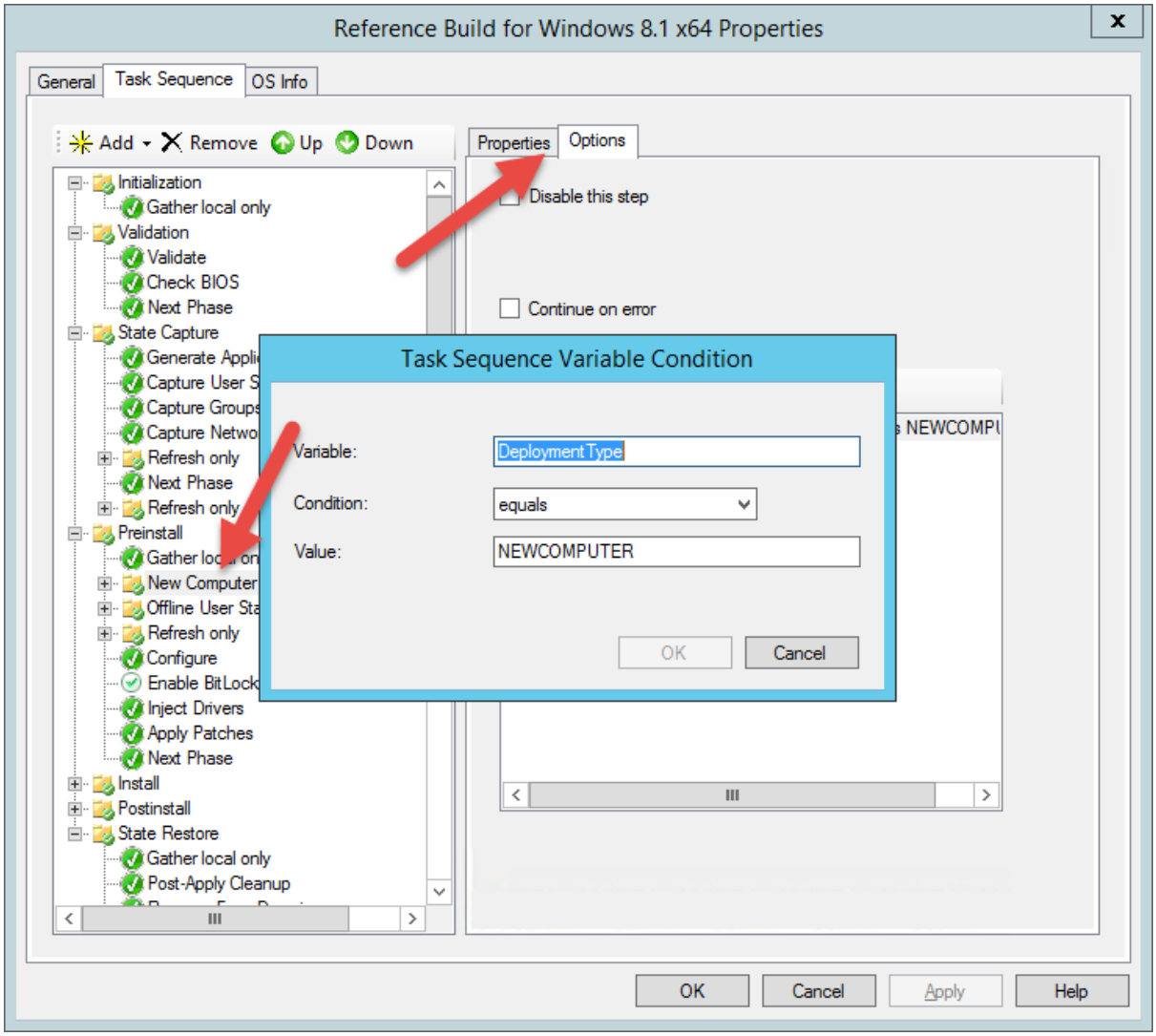


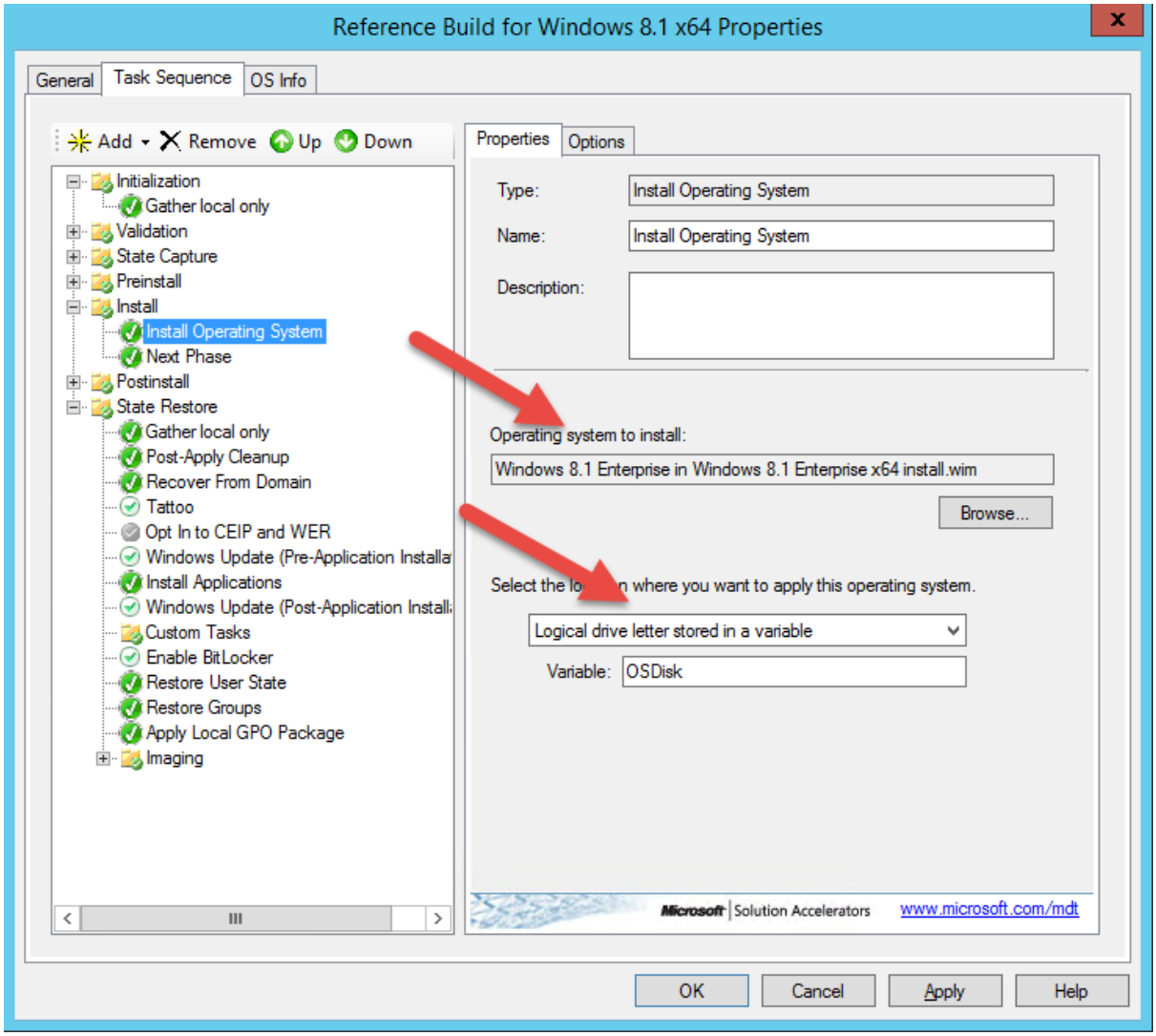


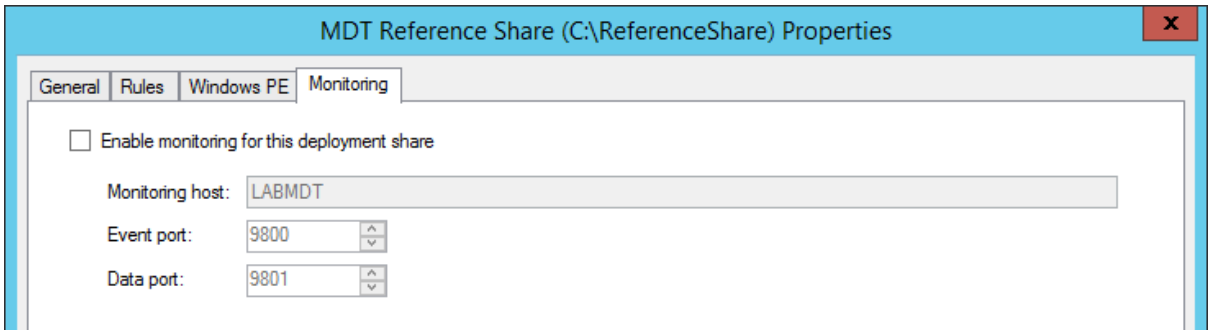

```
<?xml version="1.0" encoding="UTF-8"?>
- <unattend xmlns="urn:schemas-microsoft-com:unattend">
  - <servicing>
    - <package action="configure">
        <assemblyIdentity language="" publicKeyToken="31bf3856ad364e35" processorArchitecture="amd64" version="6.1.7601.17514" name="Microsoft-Windows-Foundation-
          Package"/>
        <selection name="InboxGames" state="true"/>
        <selection name="Solitaire" state="true"/>
      </package>
    </servicing>
  - <settings pass="windowsPE">
    - <component language="neutral" publicKeyToken="31bf3856ad364e35" processorArchitecture="amd64" name="Microsoft-Windows-Setup"
      xmlns:wcm="http://schemas.microsoft.com/WMIConfig/2002/State" versionScope="nonSxS">
      - <ImageInstall>
        - <OSImage>
            <WillShowUI>OnError</WillShowUI>
          - <InstallTo>
              <DiskID>0</DiskID>
              <PartitionID>1</PartitionID>
            </InstallTo>
          - <InstallFrom>
              <Path>.\Operating Systems\Windows 7 x64\Sources\install.wim</Path>
            - <MetaData>
                <Key>/IMAGE/INDEX</Key>
                <Value>1</Value>
              </MetaData>
            </InstallFrom>
          </OSImage>
        </ImageInstall>
      - <Display>
          <ColorDepth>16</ColorDepth>
          <HorizontalResolution>1024</HorizontalResolution>
          <RefreshRate>60</RefreshRate>
          <VerticalResolution>768</VerticalResolution>
        </Display>
      - <ComplianceCheck>
          <DisplayReport>OnError</DisplayReport>
        </ComplianceCheck>
      - <UserData>
          <AcceptEula>true</AcceptEula>
```


Reference Build for Windows 8.1 x64 Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Gather local only
Validation
Validate
Check BIOS
Next Phase
State Capture
Generate Application Migration File
Capture User State
Capture Groups
Capture Network Settings
Refresh only
Next Phase
Refresh only
Preinstall
Gather local only
New Computer only
Offline User State Capture
Refresh only
Configure
Enable BitLocker (Offline)
Inject Drivers
Apply Patches
Next Phase
Install
Postinstall
State Restore
Gather local only
Post-Apply Cleanup
Properties
Options
Type:
Group
Name:
Initialization
Description:
Initialize the TS environment
Microsoft Solution Accelerators
www.microsoft.com/mdt
OK
Cancel
Apply
Help

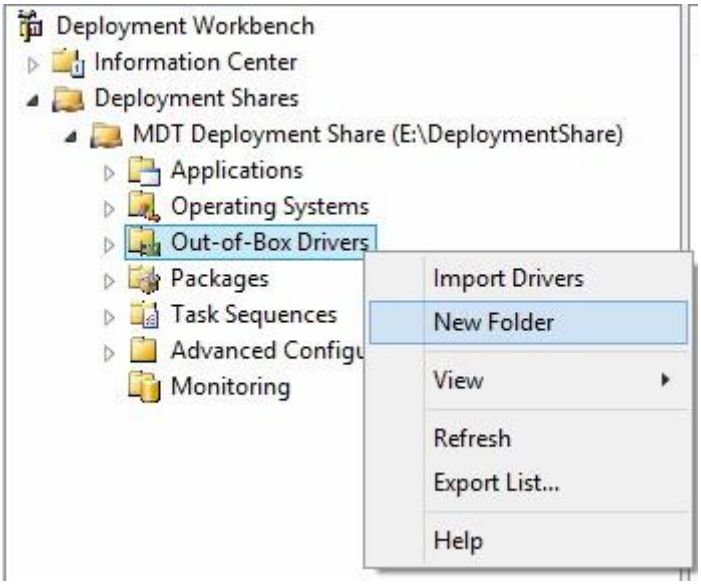

Add
Remove
Up
Down
Initialization
Gather local only
Validation
Validate
Check BIOS
Next Phase
State Capture
Generate Application Migration File
Capture User State
Capture Groups
Capture Network Settings
Refresh only
Next Phase
Refresh only
Preinstall
Gather local only
Properties
Options
Type:
Validate
Name:
Validate
Description:
Ensure minimum memory (MB):
768
Ensure minimum processor speed (MHz):
800
Check to ensure specified image size will fit (MB):
0
Ensure current OS to be refreshed is:
Client

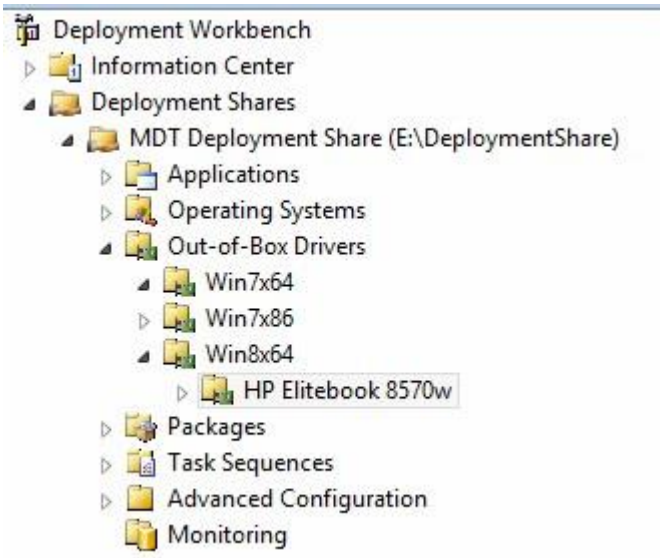

Reference Build for Windows 8.1 x64 Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Gather local only
Validation
Validate
Check BIOS
Next Phase
State Capture
Refresh only
Next Phase
Refresh only
Preinstall
New Computer
Offline User Sta
Refresh only
Configure
Inject Drivers
Apply Patches
Next Phase
Install
Postinstall
State Restore
Gather local only
Post-Apply Cleanup
Properties
Options
Disable this step
Continue on error
Task Sequence Variable Condition
Variable:
DeploymentType
Condition:
equals
Value:
NEWCOMPUTER
OK
Cancel
OK
Cancel
Apply
Help

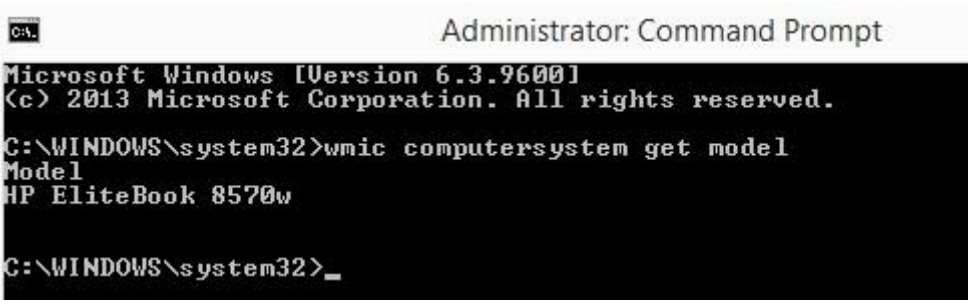

Reference Build for Windows 8.1 x64 Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Gather local only
Validation
State Capture
Preinstall
Install
Install Operating System
Next Phase
Postinstall
State Restore
Gather local only
Post-Apply Cleanup
Recover From Domain
Tattoo
Opt In to CEIP and WER
Windows Update (Pre-Application Installa
Install Applications
Windows Update (Post-Application Install
Custom Tasks
Enable BitLocker
Restore User State
Restore Groups
Apply Local GPO Package
Imaging
Properties
Options
Type:
Install Operating System
Name:
Install Operating System
Description:
Operating system to install:
Windows 8.1 Enterprise in Windows 8.1 Enterprise x64 install.wim
Browse...
Select the lo n where you want to apply this operating system.
Logical drive letter stored in a variable
Variable:
OSDisk
Microsoft Solution Accelerators
www.microsoft.com/mdt
OK
Cancel
Apply
Help

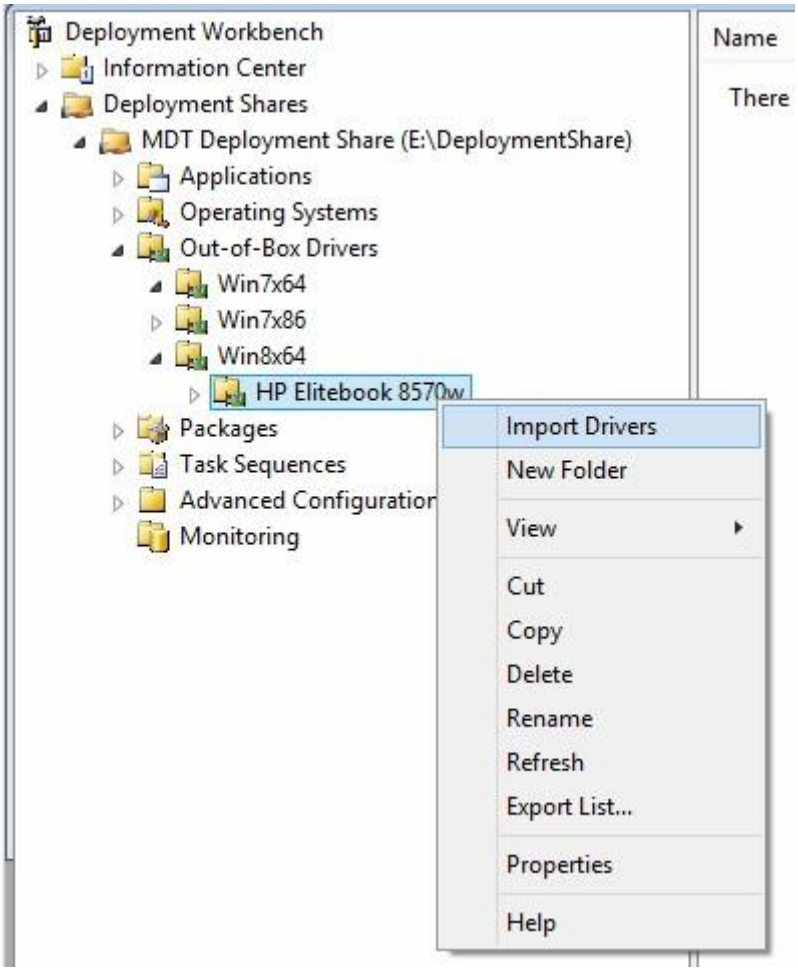

MDT Reference Share (C:\ReferenceShare) Properties
General
Rules
Windows PE
Monitoring
Enable monitoring for this deployment share
Monitoring host:
LABMDT
Event port:
9800
Data port:
9801

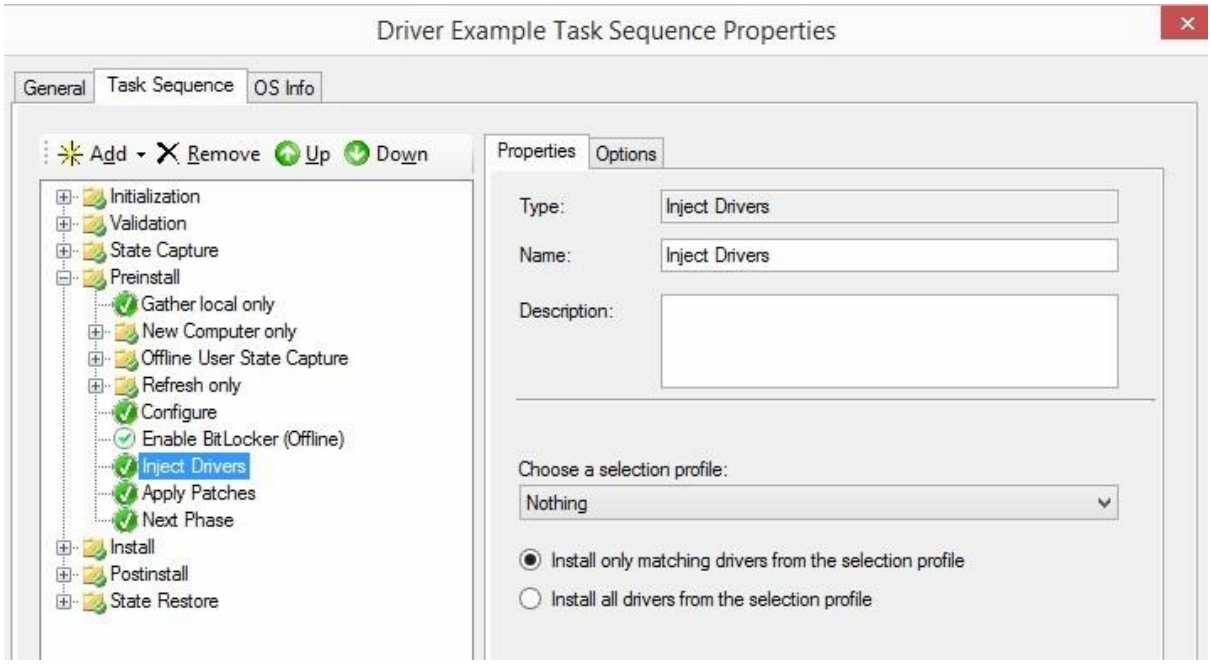
Chapter 6: Drivers

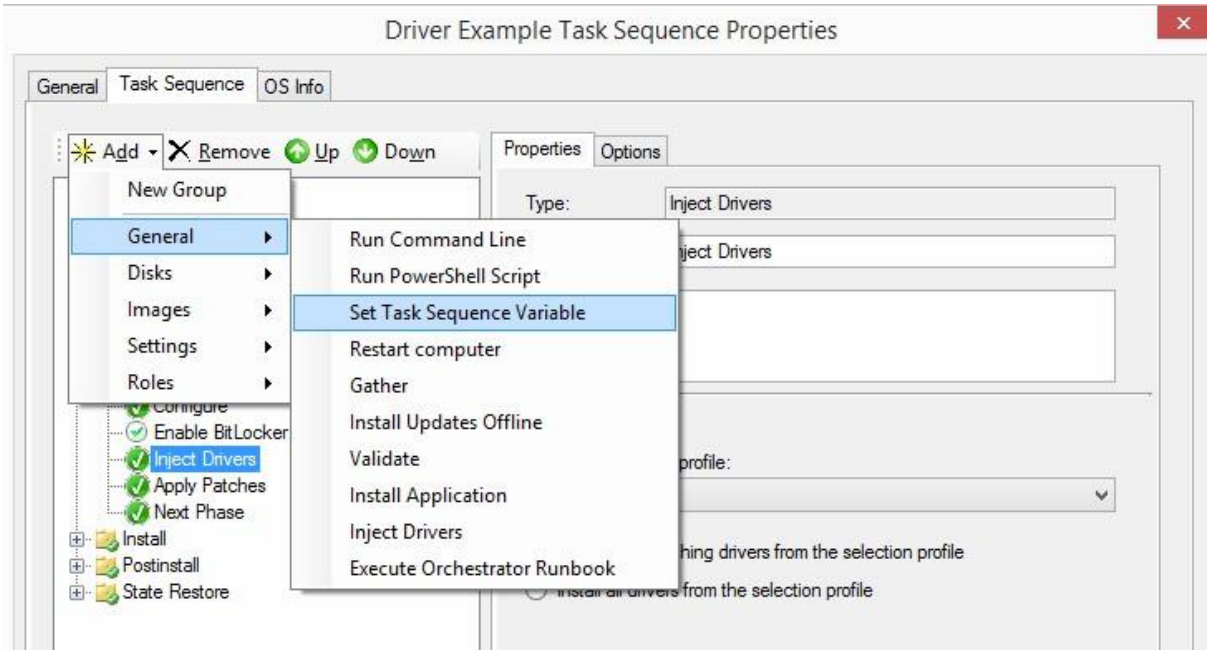


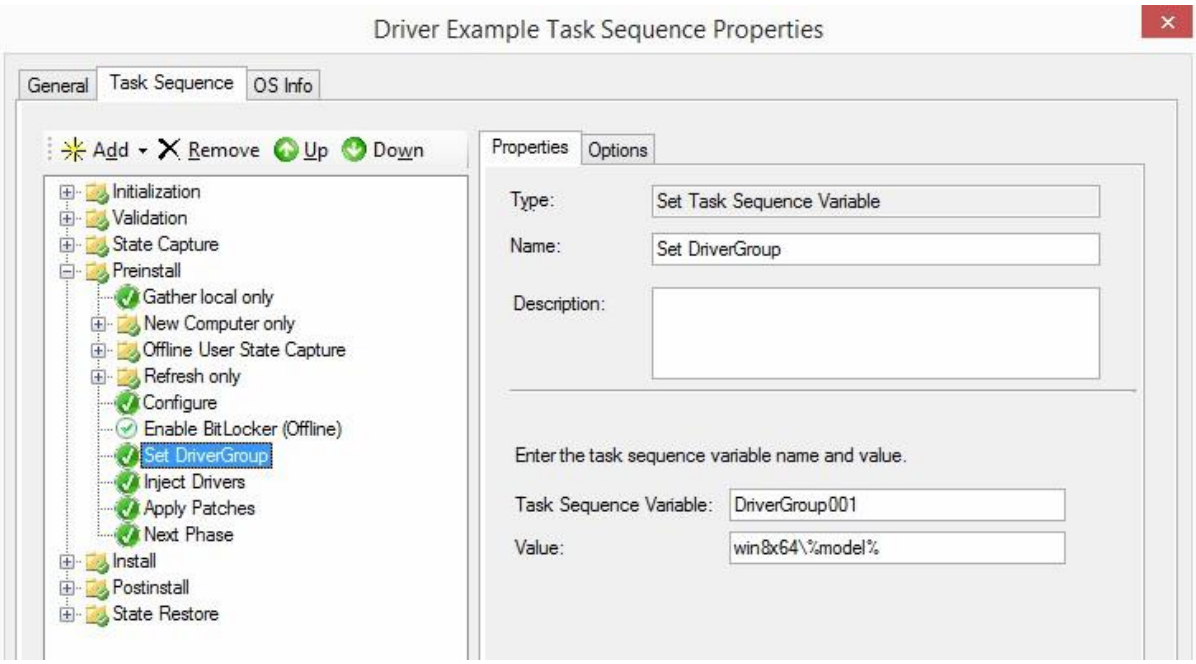


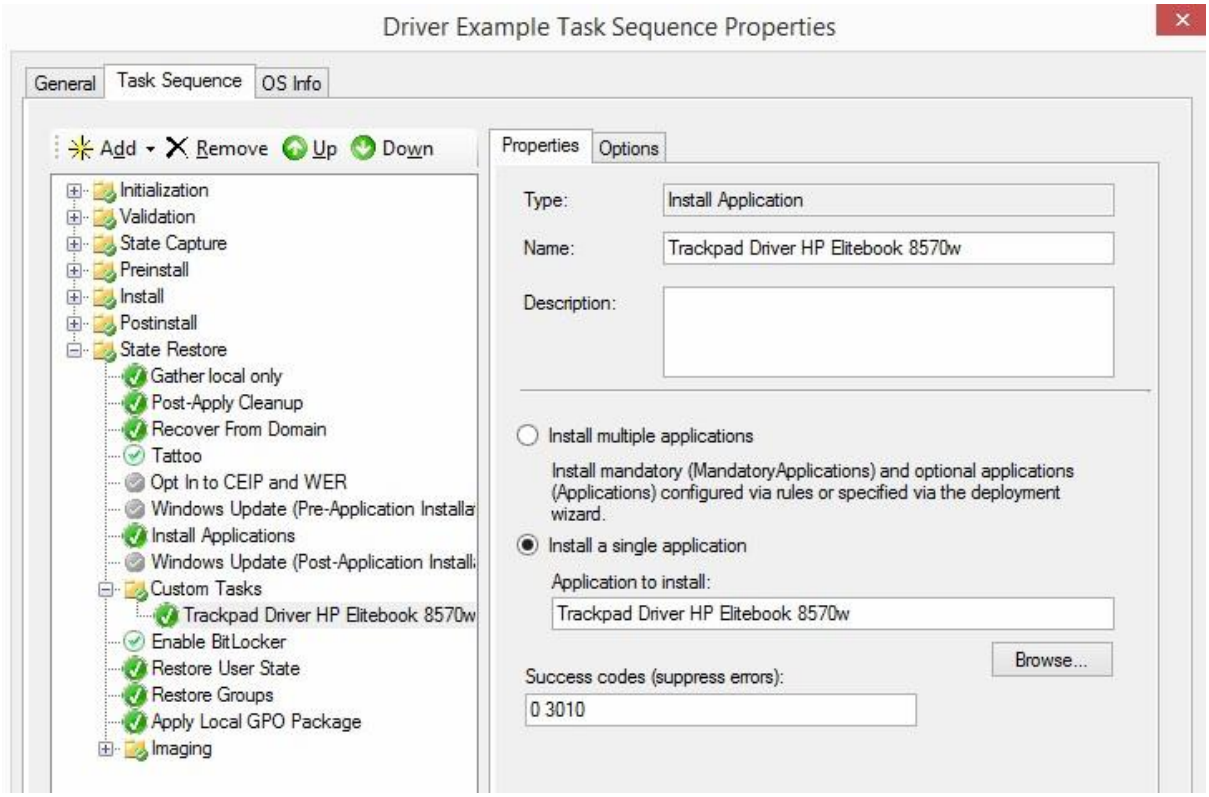


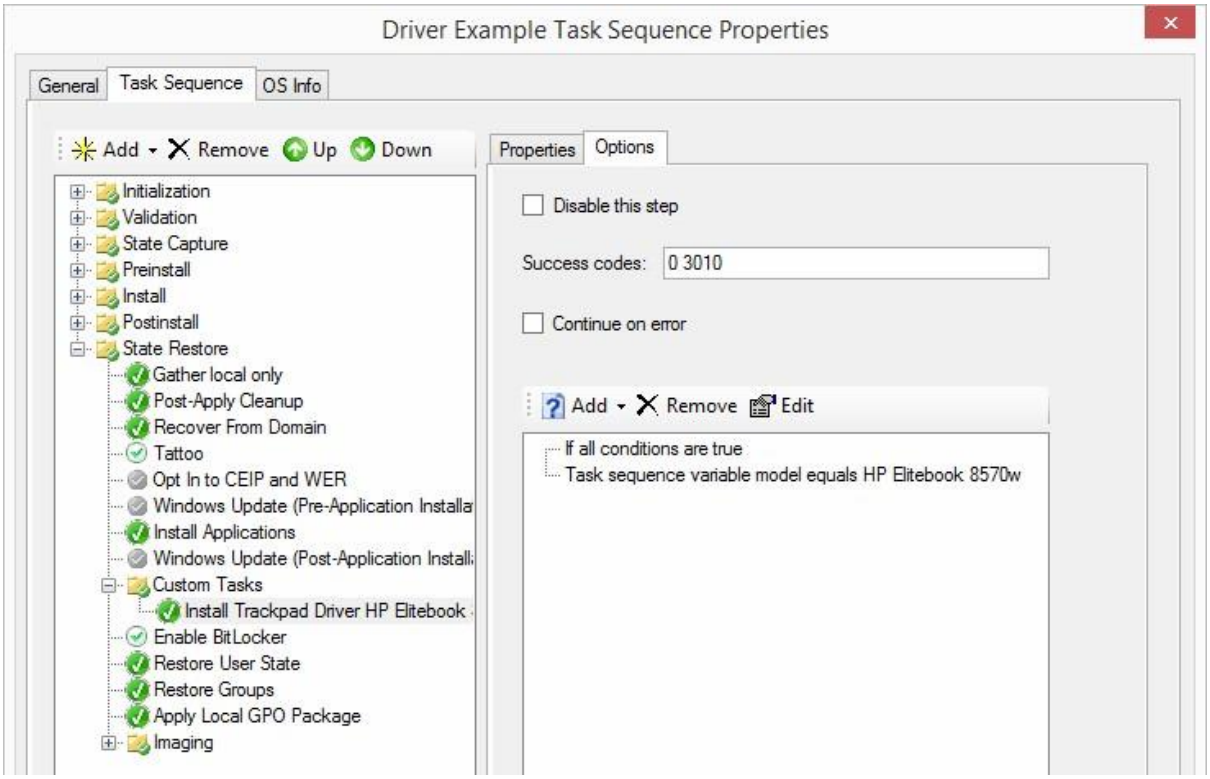

Deployment Workbench
Information Center
Deployment Shares
MDT Deployment Share (E:\DeploymentShare)
Applications
Operating Systems
Out-of-Box Drivers
Win7x64
Win7x86
Win8x64
HP Elitebook 8570w
Packages
Task Sequences
Advanced Configuration
Monitoring
Name
There
Import Drivers
New Folder
View
Cut
Copy
Delete
Rename
Refresh
Export List...
Properties
Help

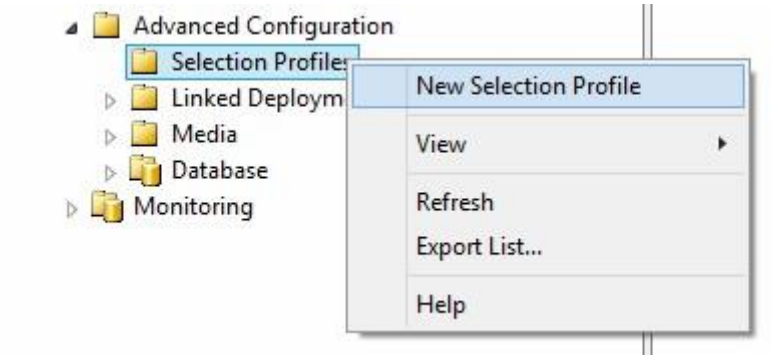

Driver Example Task Sequence Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Validation
State Capture
Preinstall
Gather local only
New Computer only
Offline User State Capture
Refresh only
Configure
Enable BitLocker (Offline)
Inject Drivers
Apply Patches
Next Phase
Install
Postinstall
State Restore
Properties
Options
Type:
Inject Drivers
Name:
Inject Drivers
Description:
Choose a selection profile:
Nothing
Install only matching drivers from the selection profile
Install all drivers from the selection profile

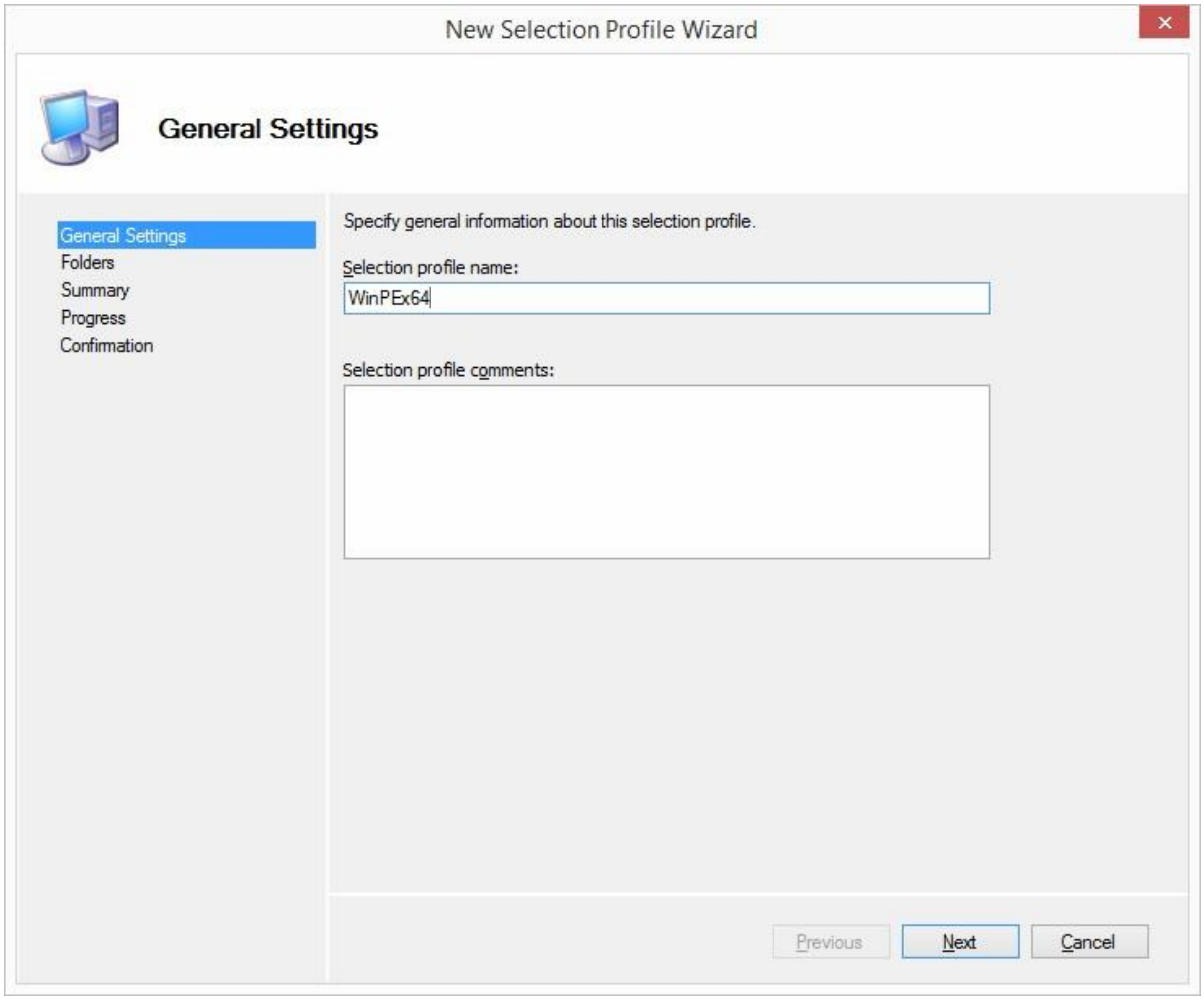

Driver Example Task Sequence Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
New Group
General
Disks
Images
Settings
Roles
Run Command Line
Run PowerShell Script
Set Task Sequence Variable
Restart computer
Gather
Install Updates Offline
Validate
Install Application
Inject Drivers
Execute Orchestrator Runbook
Enable BitLocker
Inject Drivers
Apply Patches
Next Phase
Install
Postinstall
State Restore
Properties
Options
Type:
Inject Drivers

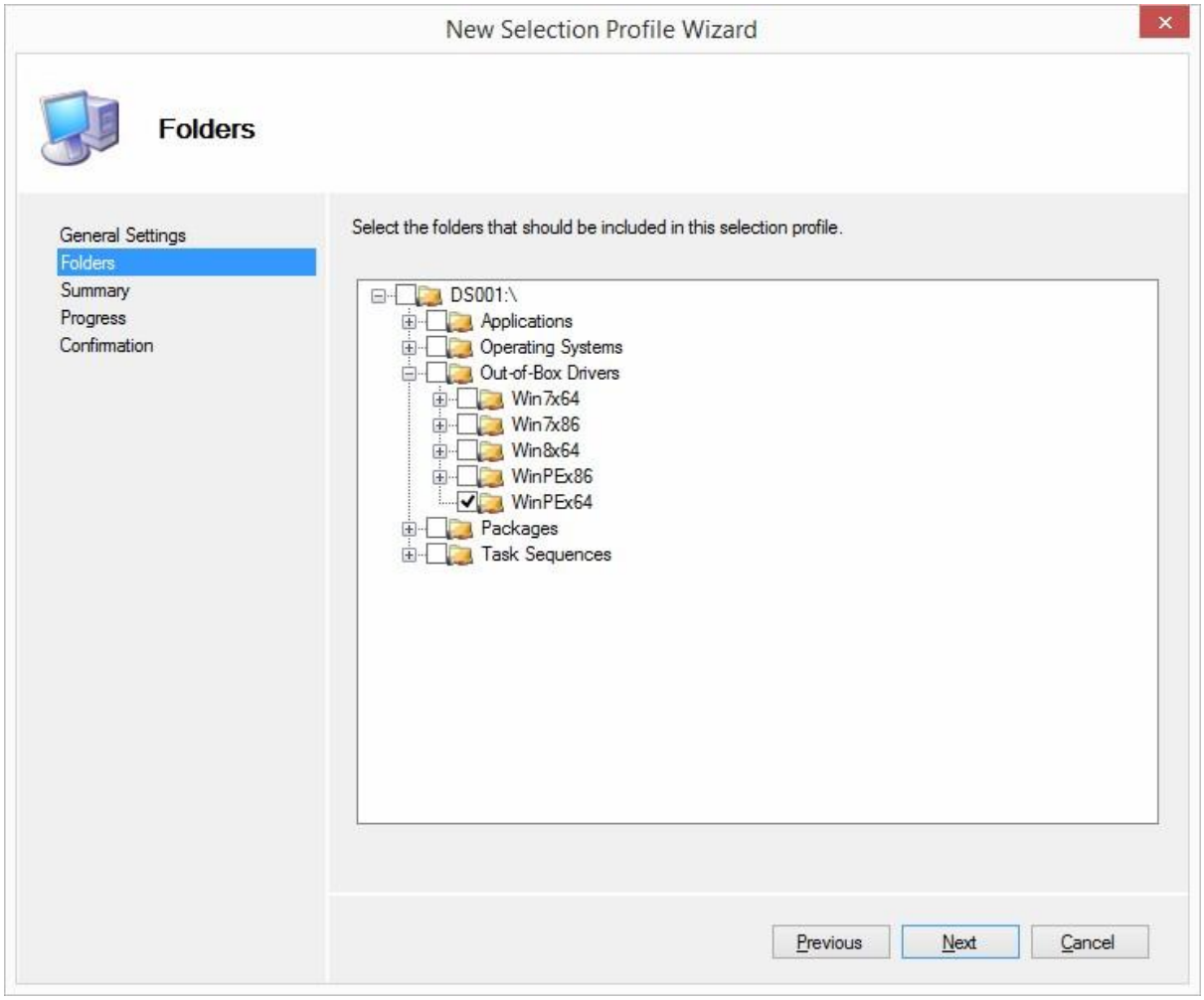

Driver Example Task Sequence Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Validation
State Capture
Preinstall
Gather local only
New Computer only
Offline User State Capture
Refresh only
Configure
Enable BitLocker (Offline)
Set DriverGroup
Inject Drivers
Apply Patches
Next Phase
Install
Postinstall
State Restore
Properties
Options
Type:
Set Task Sequence Variable
Name:
Set DriverGroup
Description:
Enter the task sequence variable name and value.
Task Sequence Variable:
DriverGroup001
Value:
win8x64\%model%

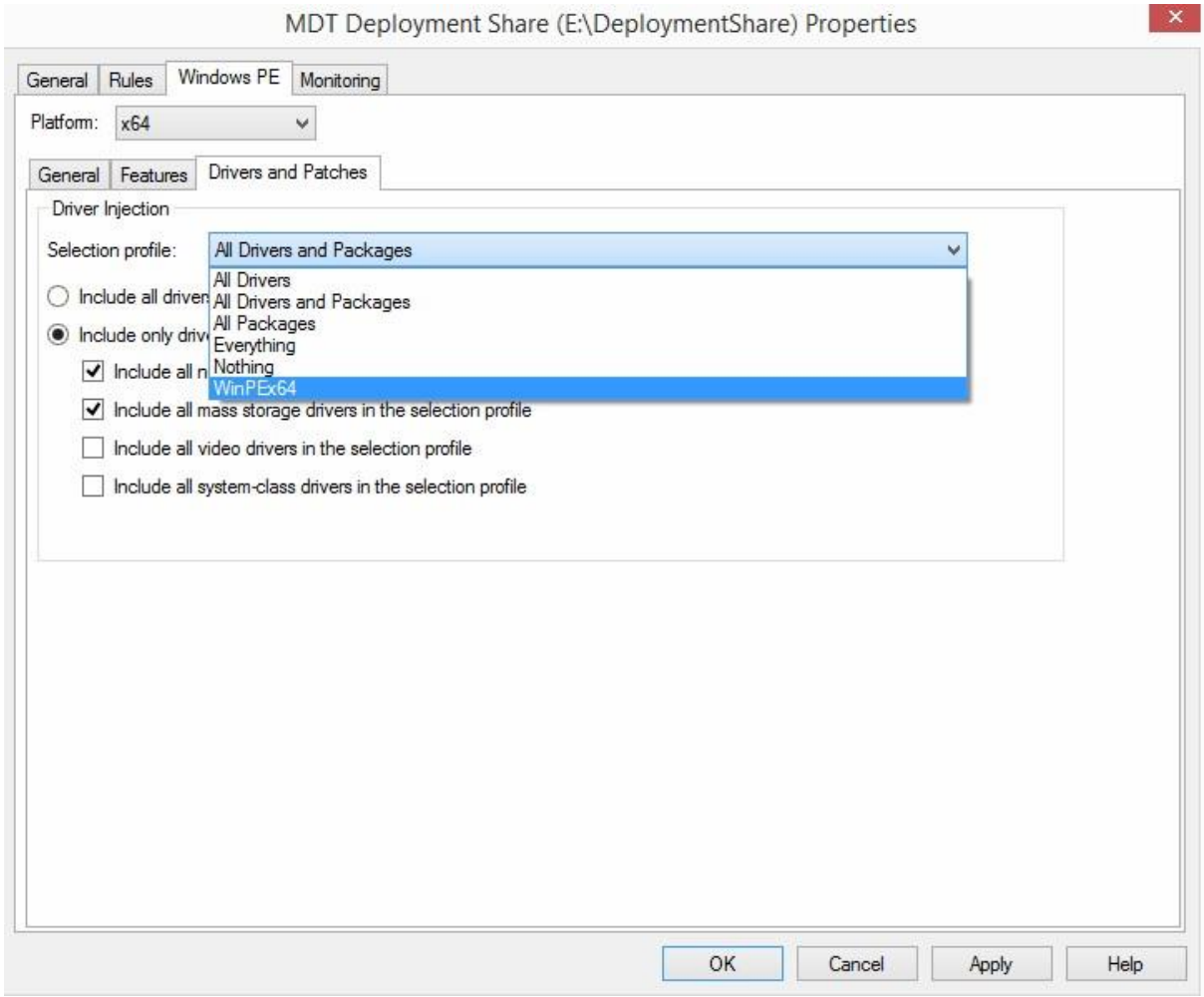

Driver Example Task Sequence Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Validation
State Capture
Preinstall
Install
Postinstall
State Restore
Gather local only
Post-Apply Cleanup
Recover From Domain
Tattoo
Opt In to CEIP and WER
Windows Update (Pre-Application Installa
Install Applications
Windows Update (Post-Application Install
Custom Tasks
Trackpad Driver HP Elitebook 8570w
Enable BitLocker
Restore User State
Restore Groups
Apply Local GPO Package
Imaging
Properties
Options
Type:
Install Application
Name:
Trackpad Driver HP Elitebook 8570w
Description:
Install multiple applications
Install mandatory (MandatoryApplications) and optional applications (Applications) configured via rules or specified via the deployment wizard.
Install a single application
Application to install:
Trackpad Driver HP Elitebook 8570w
Browse...
Success codes (suppress errors):
0 3010


Driver Example Task Sequence Properties
General
Task Sequence
OS Info
Add
Remove
Up
Down
Initialization
Validation
State Capture
Preinstall
Install
Postinstall
State Restore
Gather local only
Post-Apply Cleanup
Recover From Domain
Tattoo
Opt In to CEIP and WER
Windows Update (Pre-Application Installa
Install Applications
Windows Update (Post-Application Install
Custom Tasks
Install Trackpad Driver HP Elitebook
Enable BitLocker
Restore User State
Restore Groups
Apply Local GPO Package
Imaging
Properties
Options
Disable this step
Success codes:
0 3010
Continue on error
Add
Remove
Edit
If all conditions are true
Task sequence variable model equals HP Elitebook 8570w

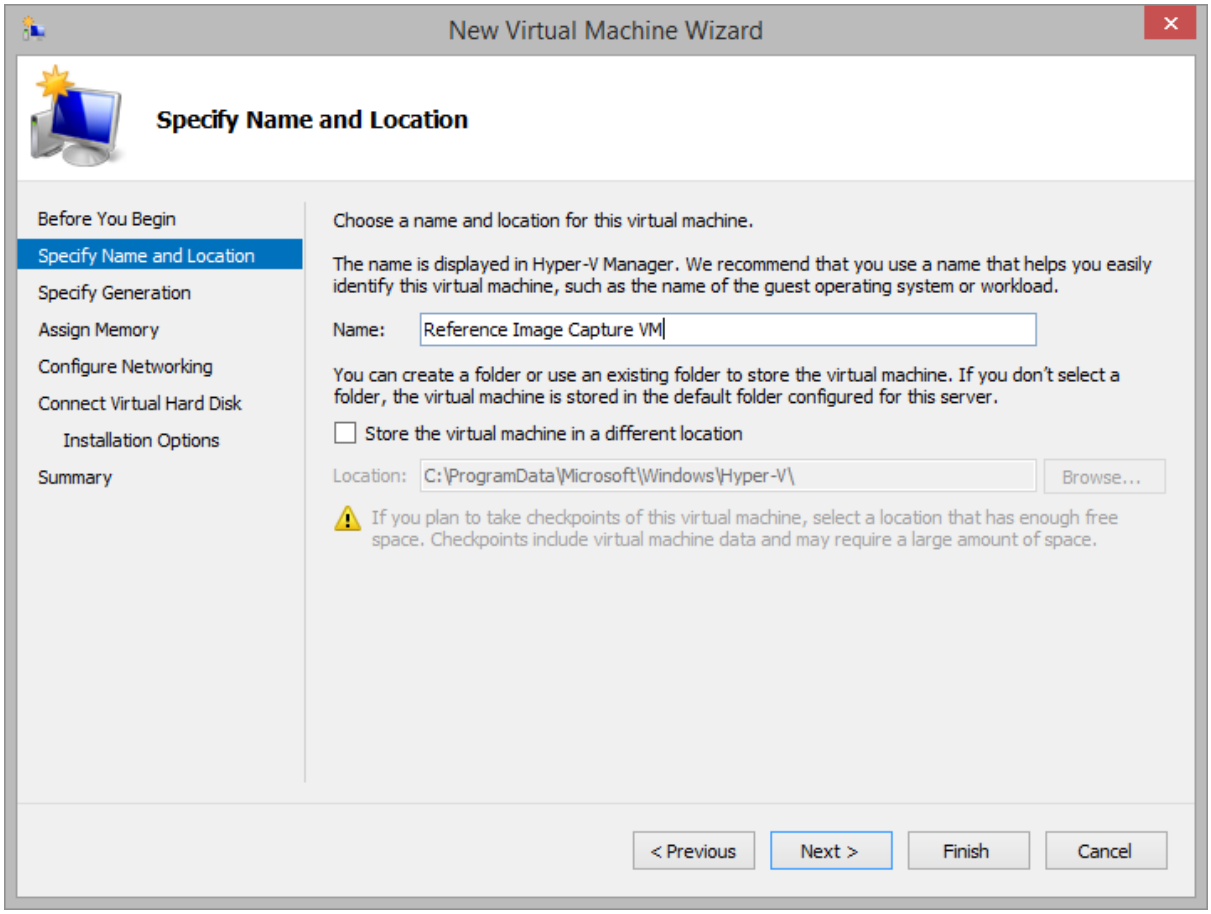

Advanced Configuration
Selection Profiles
Linked Deploym
Media
Database
Monitoring
New Selection Profile
View
Refresh
Export List...
Help

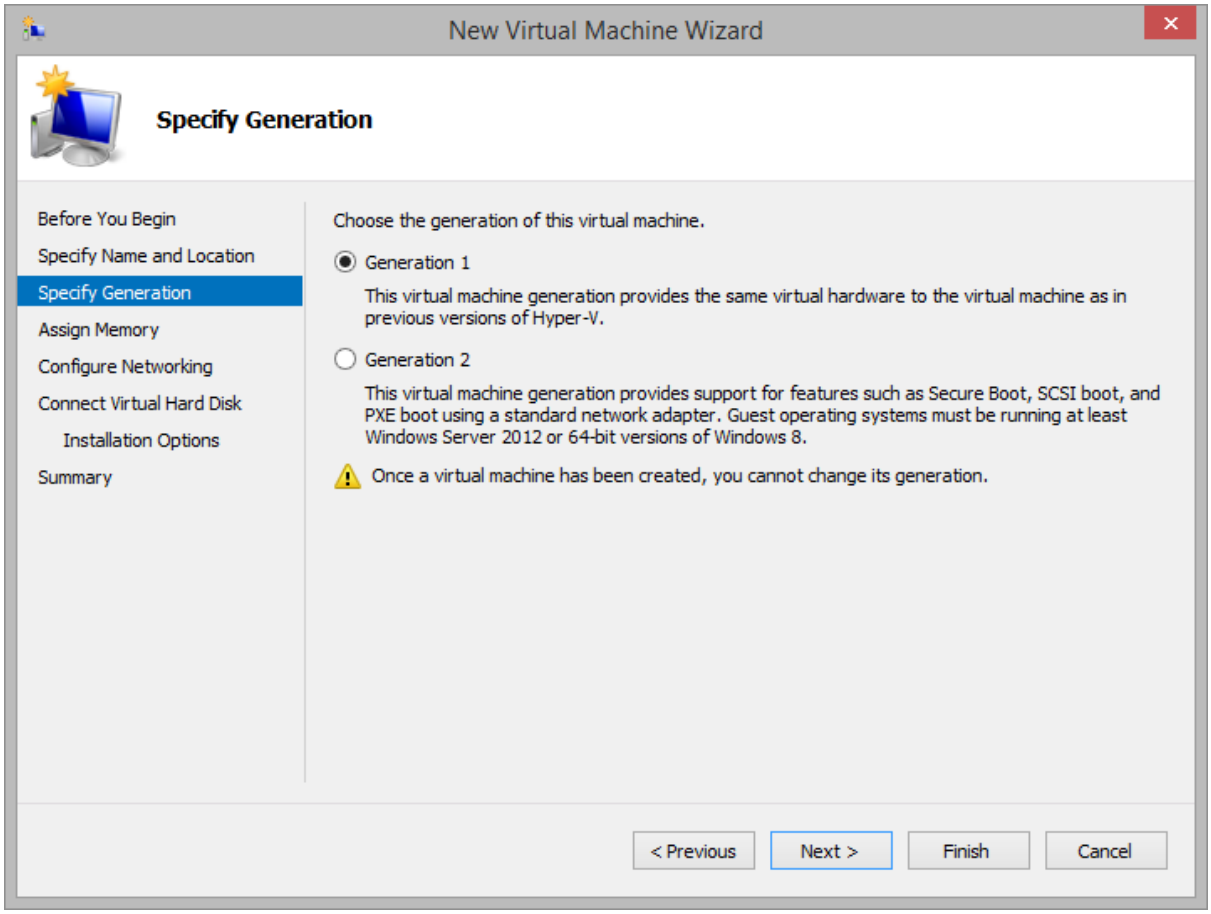

New Selection Profile Wizard
General Settings
General Settings
Folders
Summary
Progress
Confirmation
Specify general information about this selection profile.
Selection profile name:
WinPEx64
Selection profile comments:
Previous
Next
Cancel

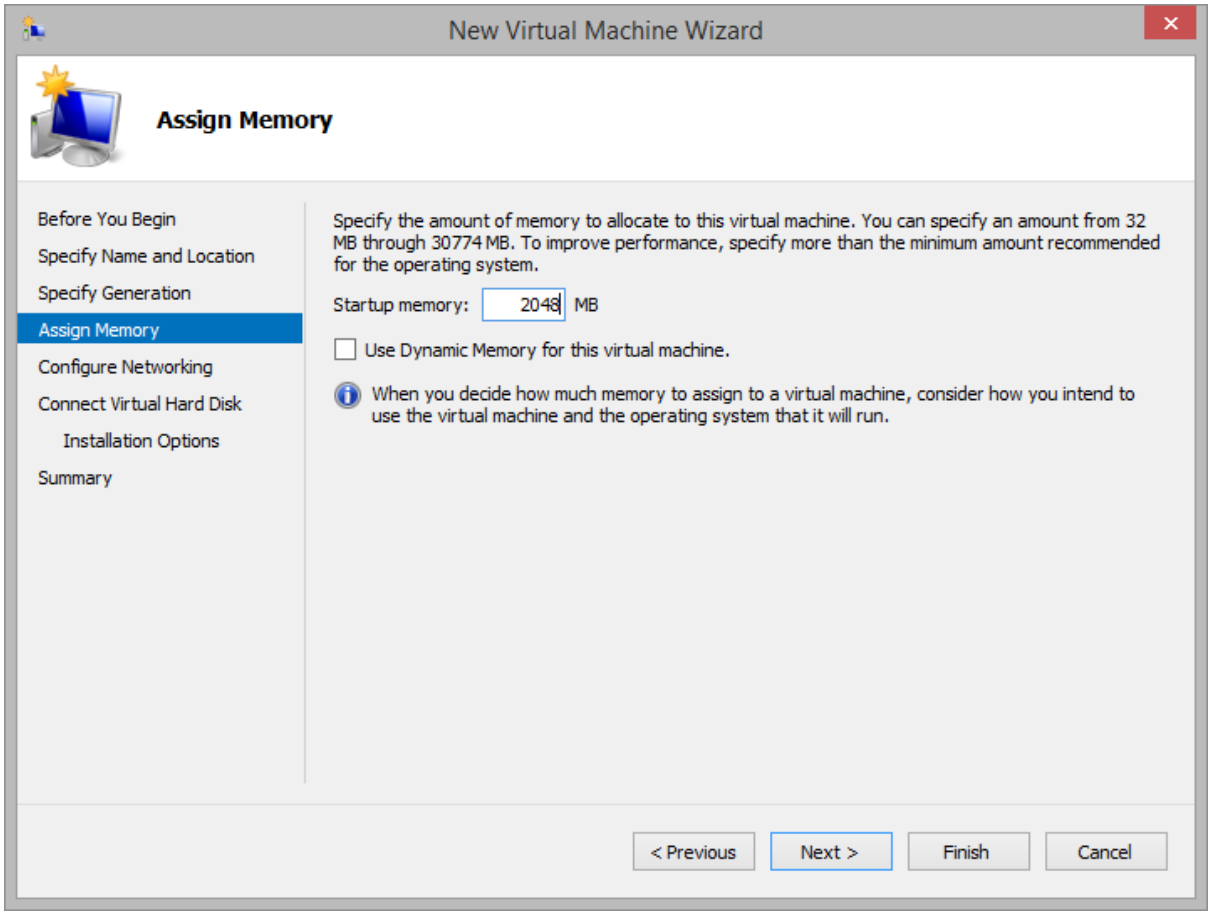

New Selection Profile Wizard
Folders
General Settings
Folders
Summary
Progress
Confirmation
Select the folders that should be included in this selection profile.
DS001:\
Applications
Operating Systems
Out-of-Box Drivers
Win7x64
Win7x86
Win8x64
WinPEx86
WinPEx64
Packages
Task Sequences
Previous
Next
Cancel

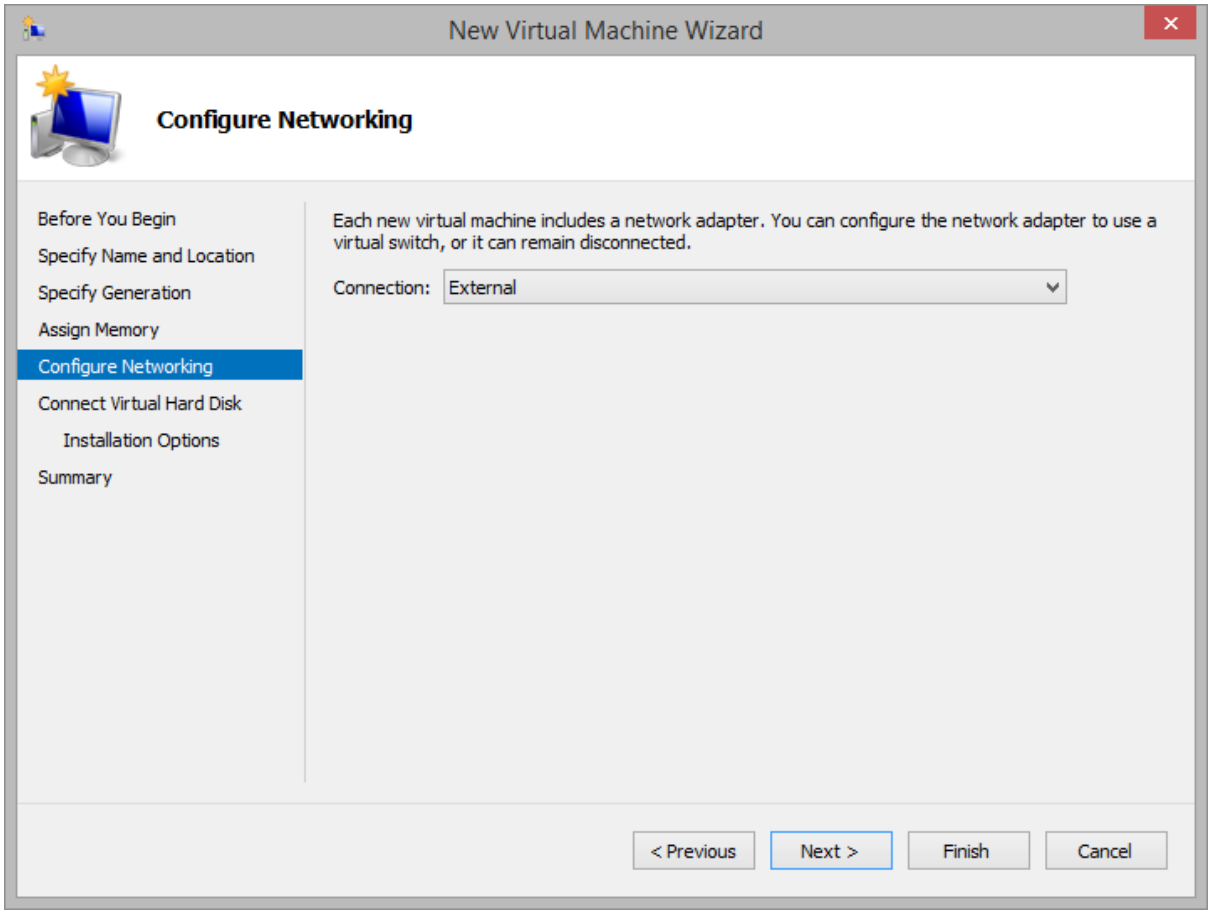

MDT Deployment Share (E:\DeploymentShare) Properties
General
Rules
Windows PE
Monitoring
Platform:
x64
General
Features
Drivers and Patches
Driver Injection
Selection profile:
All Drivers and Packages
All Drivers
All Drivers and Packages
All Packages
Everything
Nothing
WinPEx64
Include all driver
Include only driv
Include all n
Include all mass storage drivers in the selection profile
Include all video drivers in the selection profile
Include all system-class drivers in the selection profile
OK
Cancel
Apply
Help

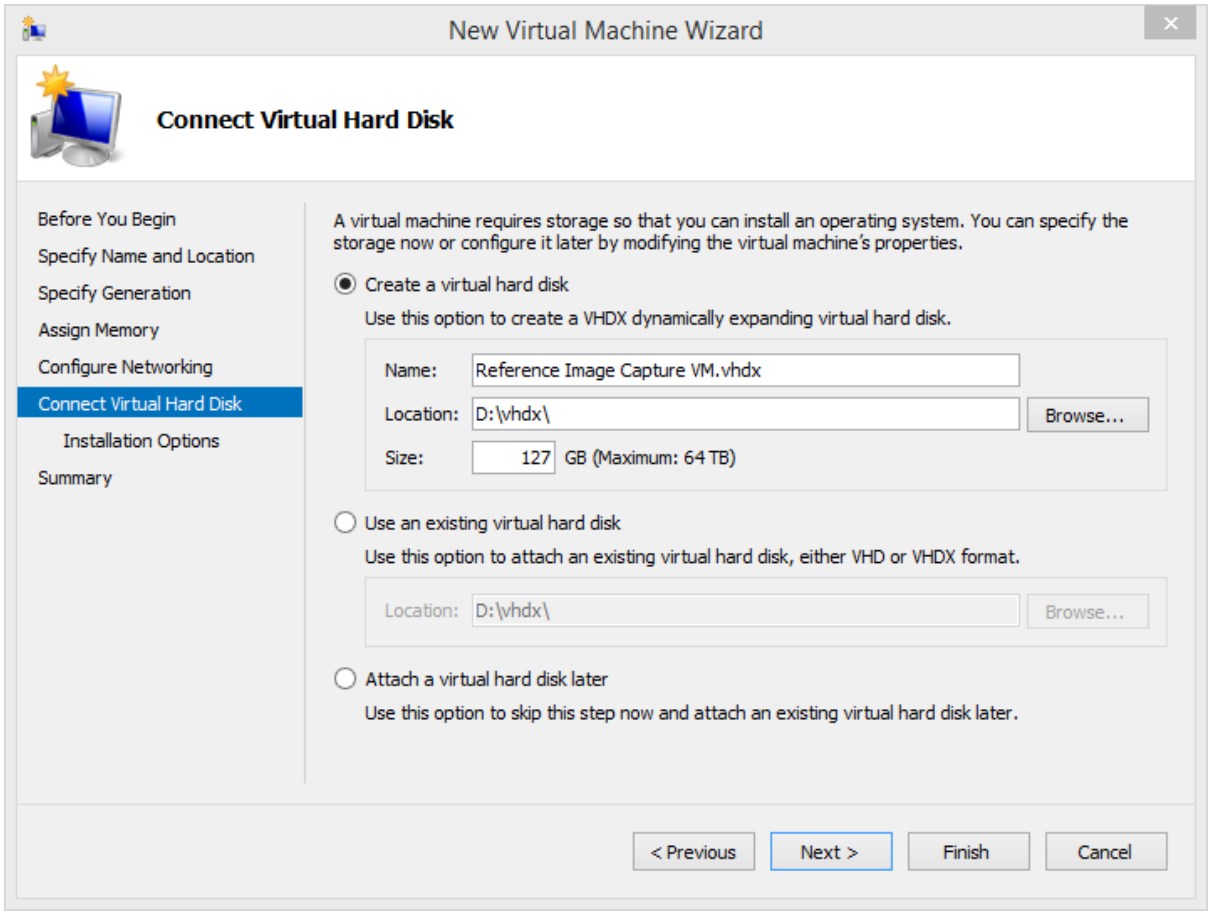
Chapter 7: Image Deployment

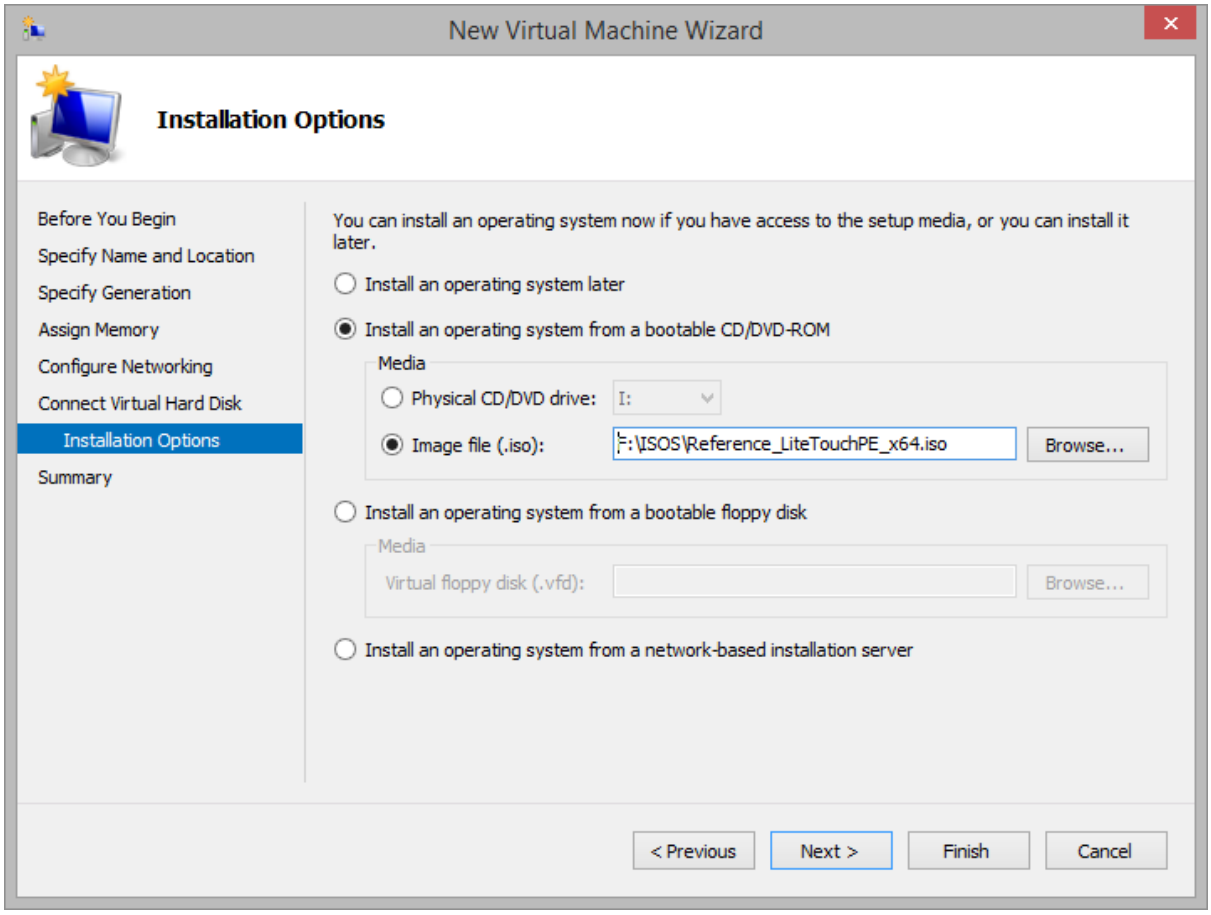


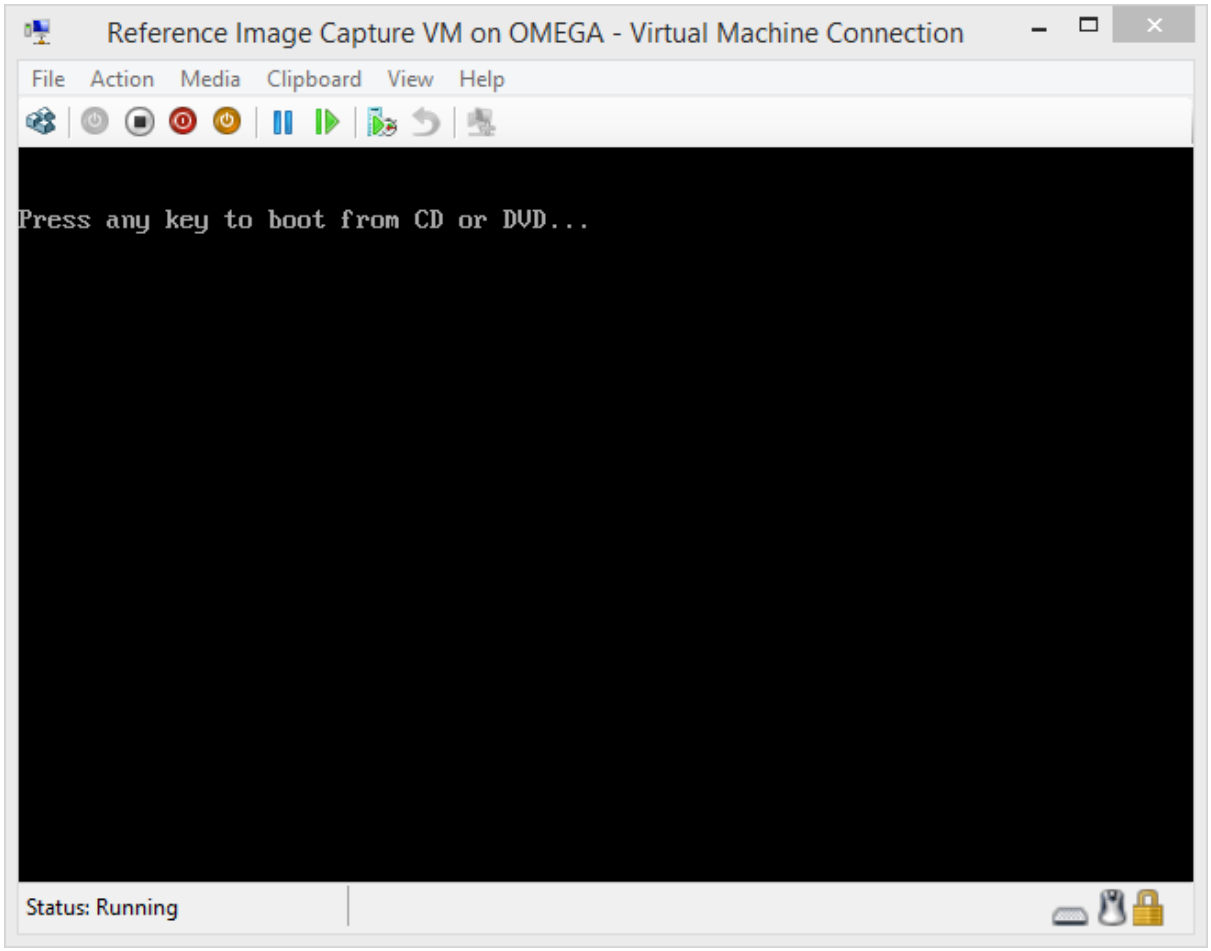

New Virtual Machine Wizard
Specify Generation
Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary
Choose the generation of this virtual machine.
Generation 1
This virtual machine generation provides the same virtual hardware to the virtual machine as in previous versions of Hyper-V.
Generation 2
This virtual machine generation provides support for features such as Secure Boot, SCSI boot, and PXE boot using a standard network adapter. Guest operating systems must be running at least Windows Server 2012 or 64-bit versions of Windows 8.
Once a virtual machine has been created, you cannot change its generation.
< Previous
Next >
Finish
Cancel

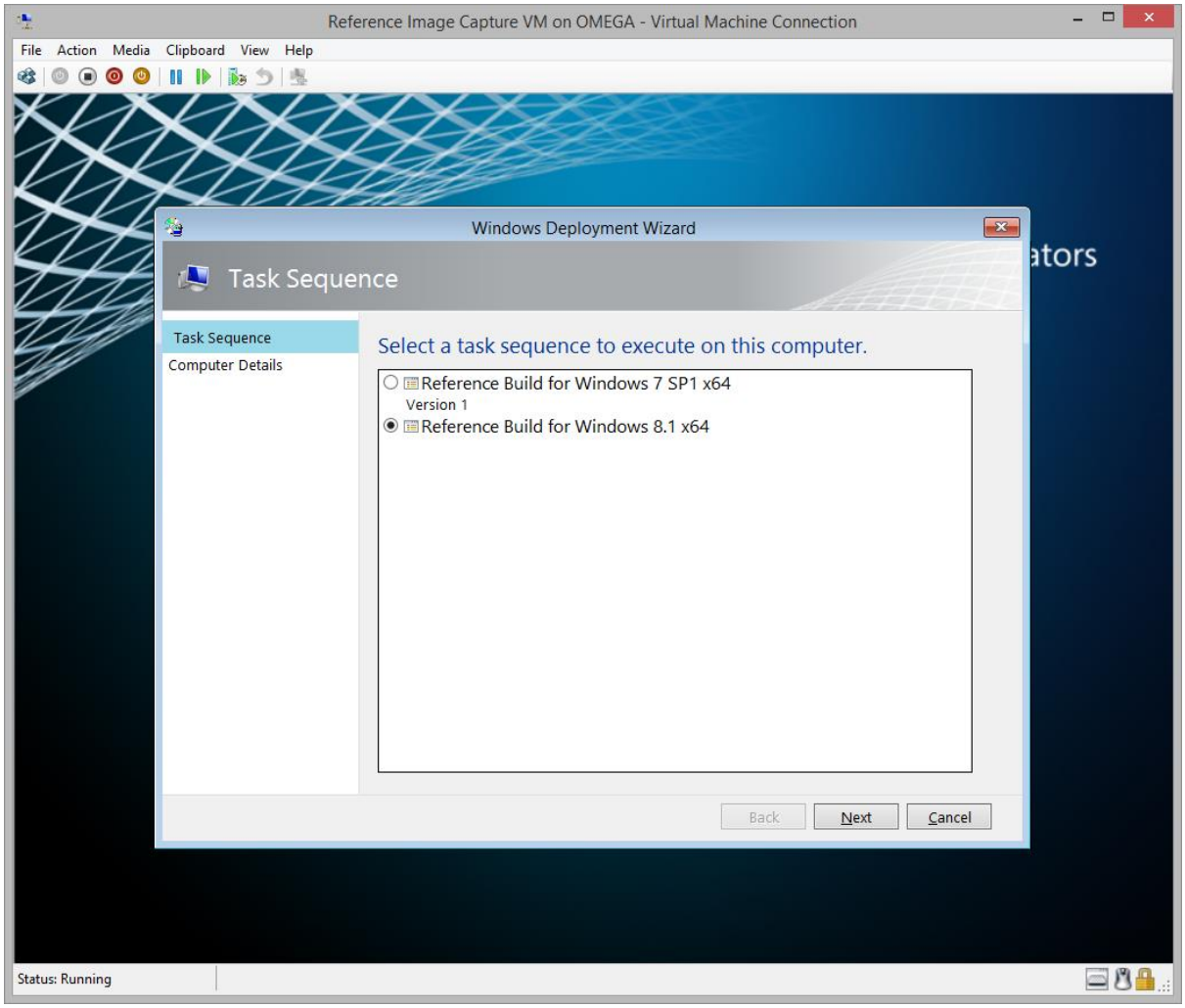

New Virtual Machine Wizard
Assign Memory
Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary
Specify the amount of memory to allocate to this virtual machine. You can specify an amount from 32 MB through 30774 MB. To improve performance, specify more than the minimum amount recommended for the operating system.
Startup memory: 2048 MB
Use Dynamic Memory for this virtual machine.
When you decide how much memory to assign to a virtual machine, consider how you intend to use the virtual machine and the operating system that it will run.
< Previous
Next >
Finish
Cancel

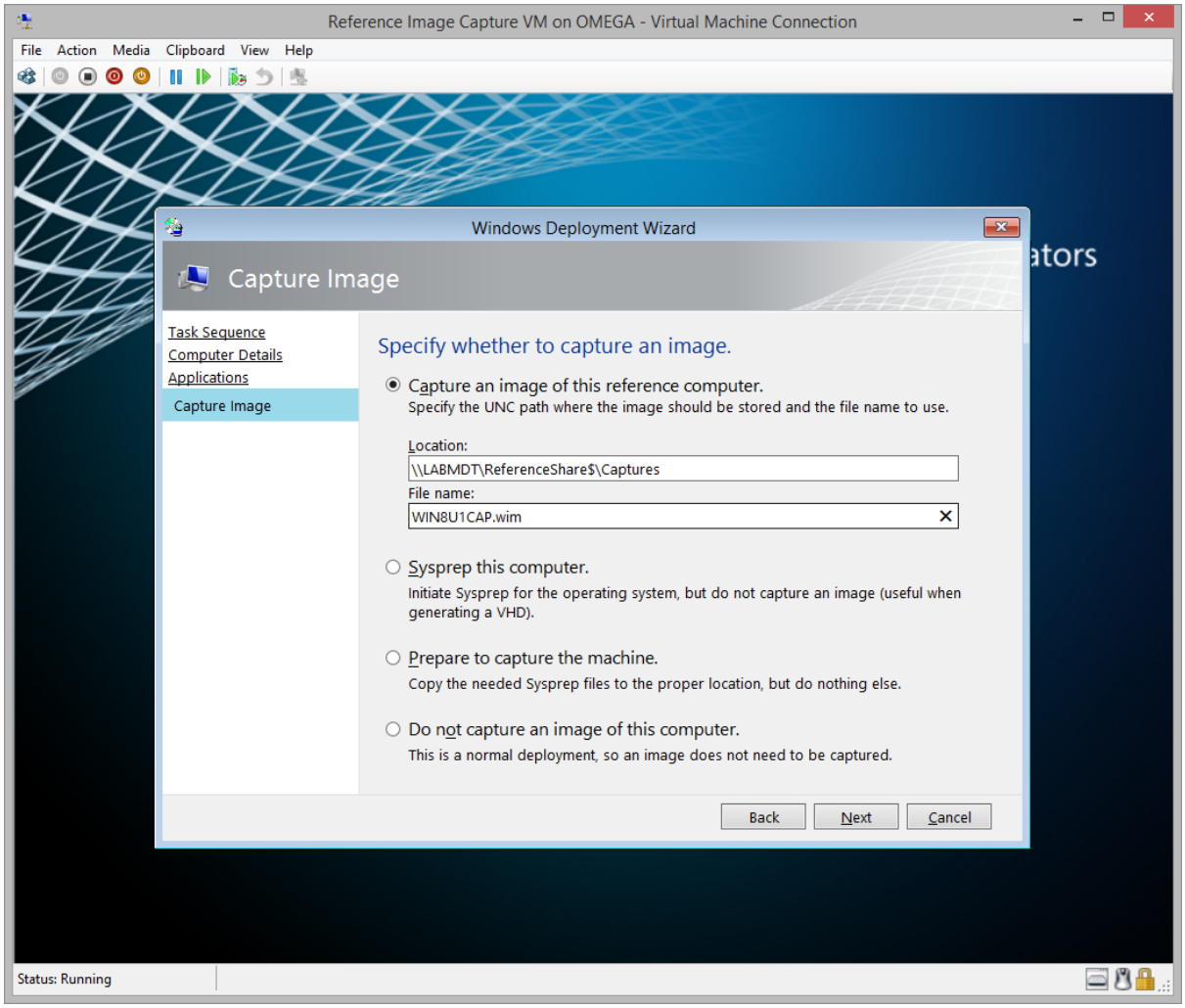

New Virtual Machine Wizard
Configure Networking
Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary
Each new virtual machine includes a network adapter. You can configure the network adapter to use a virtual switch, or it can remain disconnected.
Connection: External
< Previous
Next >
Finish
Cancel

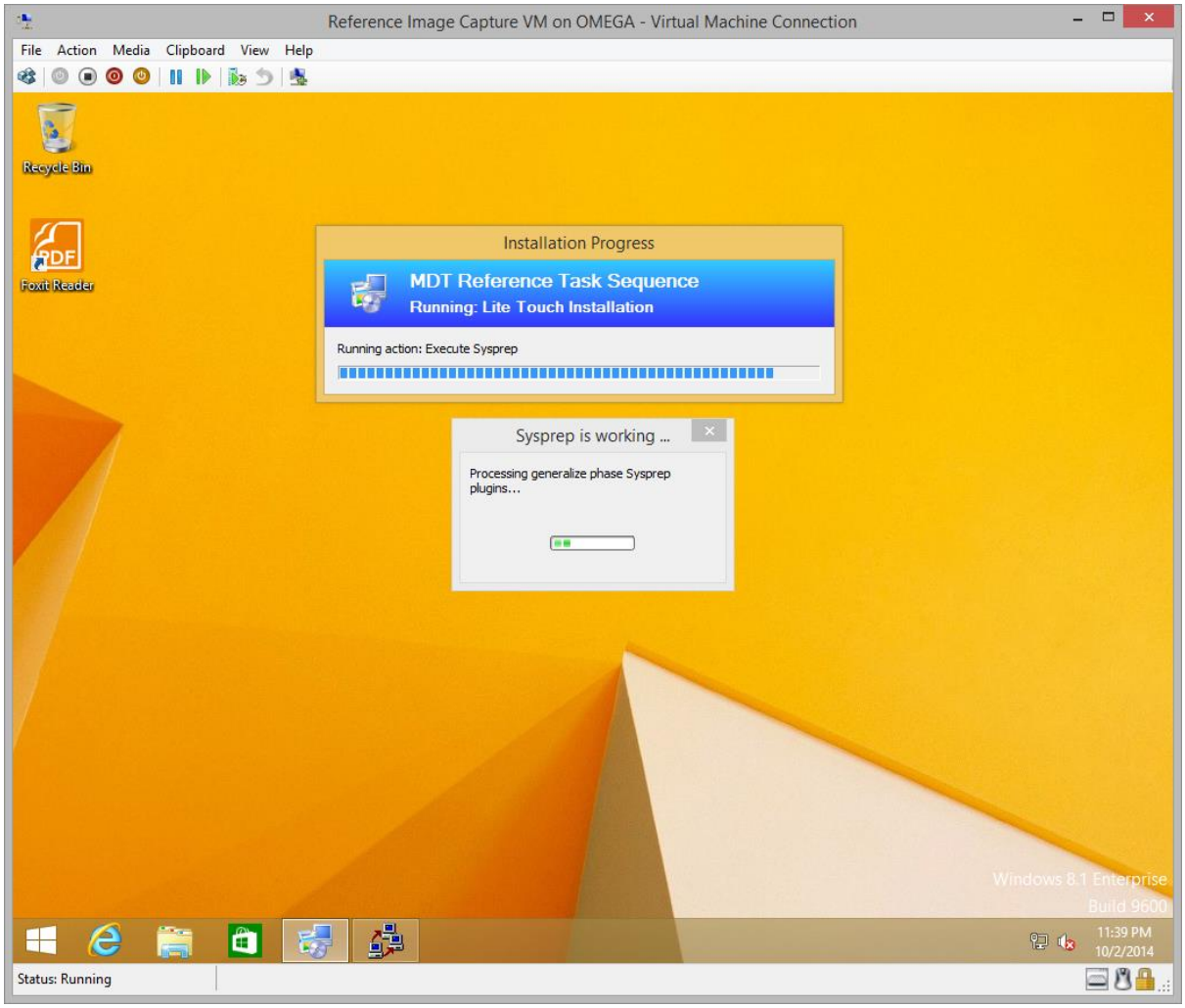

New Virtual Machine Wizard
Connect Virtual Hard Disk
Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary
A virtual machine requires storage so that you can install an operating system. You can specify the storage now or configure it later by modifying the virtual machine's properties.
Create a virtual hard disk
Use this option to create a VHDX dynamically expanding virtual hard disk.
Name: Reference Image Capture VM.vhdx
Location: D:\vhdx\
Browse...
Size: 127 GB (Maximum: 64 TB)
Use an existing virtual hard disk
Use this option to attach an existing virtual hard disk, either VHD or VHDX format.
Location: D:\vhdx\
Browse...
Attach a virtual hard disk later
Use this option to skip this step now and attach an existing virtual hard disk later.
< Previous
Next >
Finish
Cancel

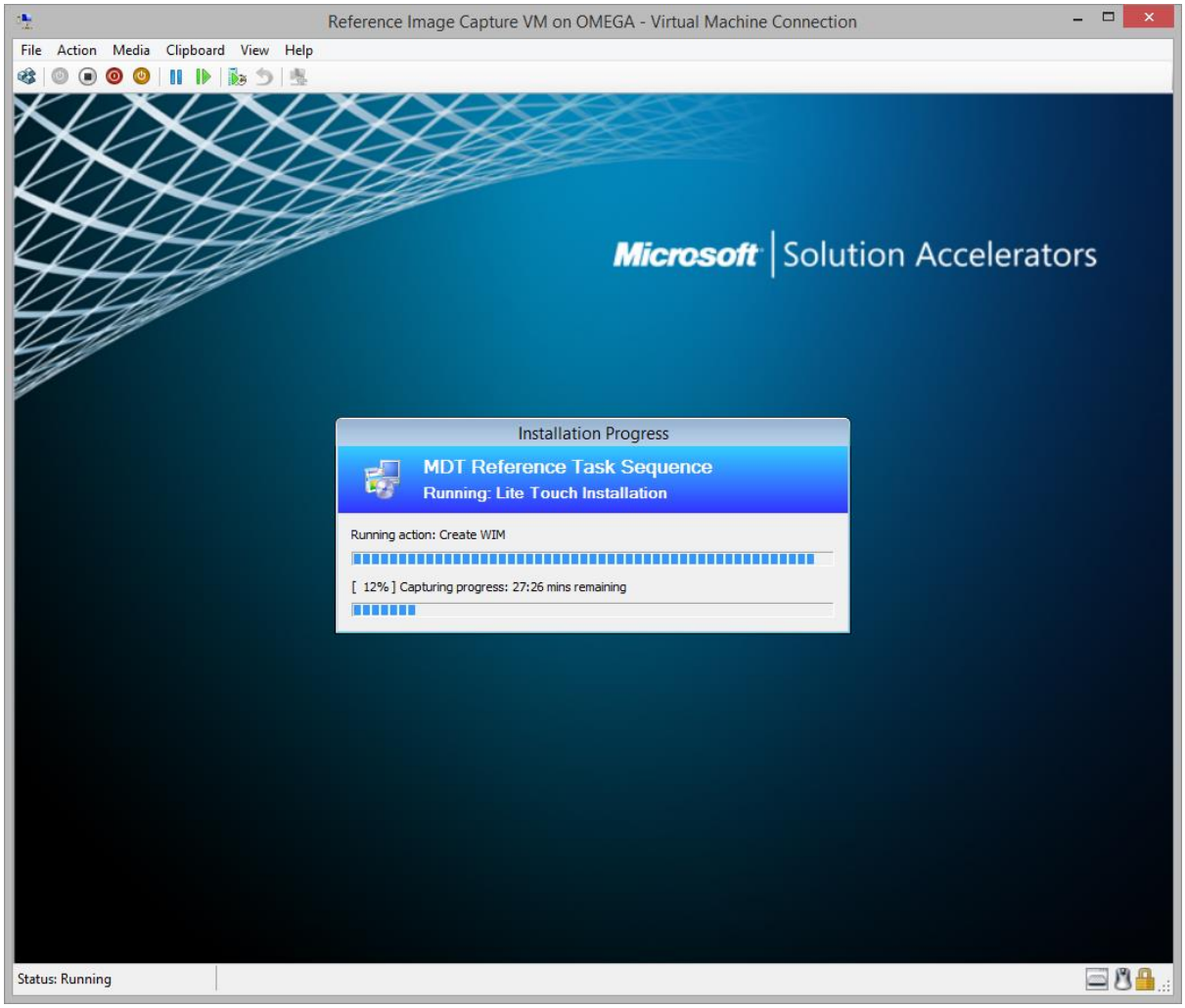

New Virtual Machine Wizard
Installation Options
Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary
You can install an operating system now if you have access to the setup media, or you can install it later.
Install an operating system later
Install an operating system from a bootable CD/DVD-ROM
Media
Physical CD/DVD drive:
I:
Image file (.iso):
F:\ISOS\Reference_LiteTouchPE_x64.iso
Browse...
Install an operating system from a bootable floppy disk
Media
Virtual floppy disk (.vfd):
Browse...
Install an operating system from a network-based installation server
< Previous
Next >
Finish
Cancel

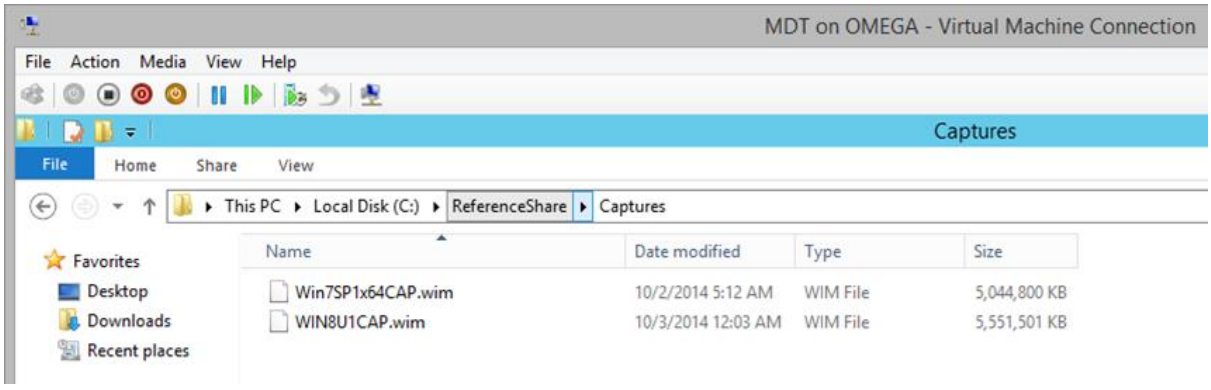

Reference Image Capture VM on OMEGA - Virtual Machine Connection
File Action Media Clipboard View Help
Press any key to boot from CD or DVD...
Status: Running

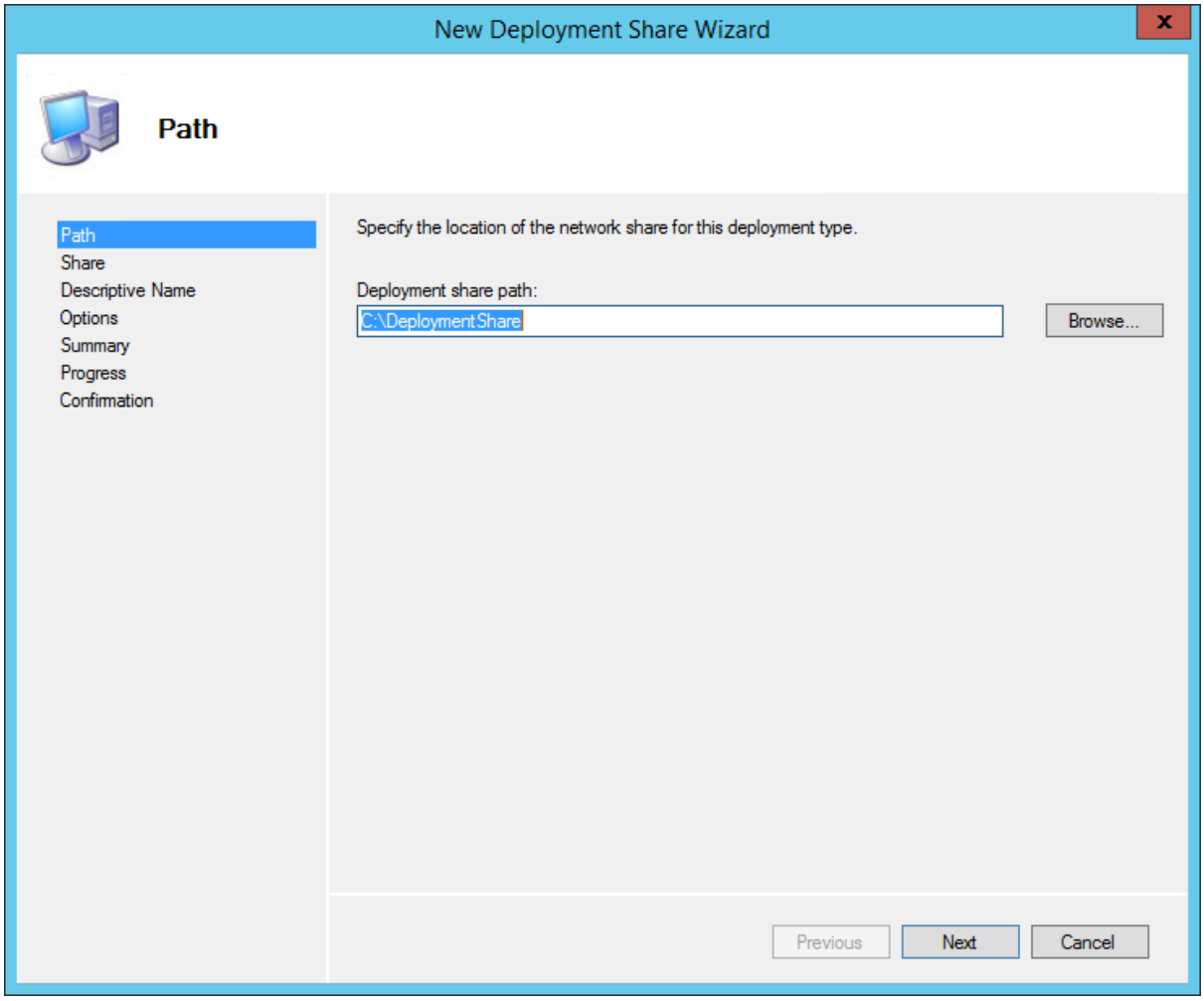

Reference Image Capture VM on OMEGA - Virtual Machine Connection
File Action Media Clipboard View Help
Windows Deployment Wizard
Task Sequence
Task Sequence
Computer Details
Select a task sequence to execute on this computer.
Reference Build for Windows 7 SP1 x64
Version 1
Reference Build for Windows 8.1 x64
Back
Next
Cancel
Status: Running

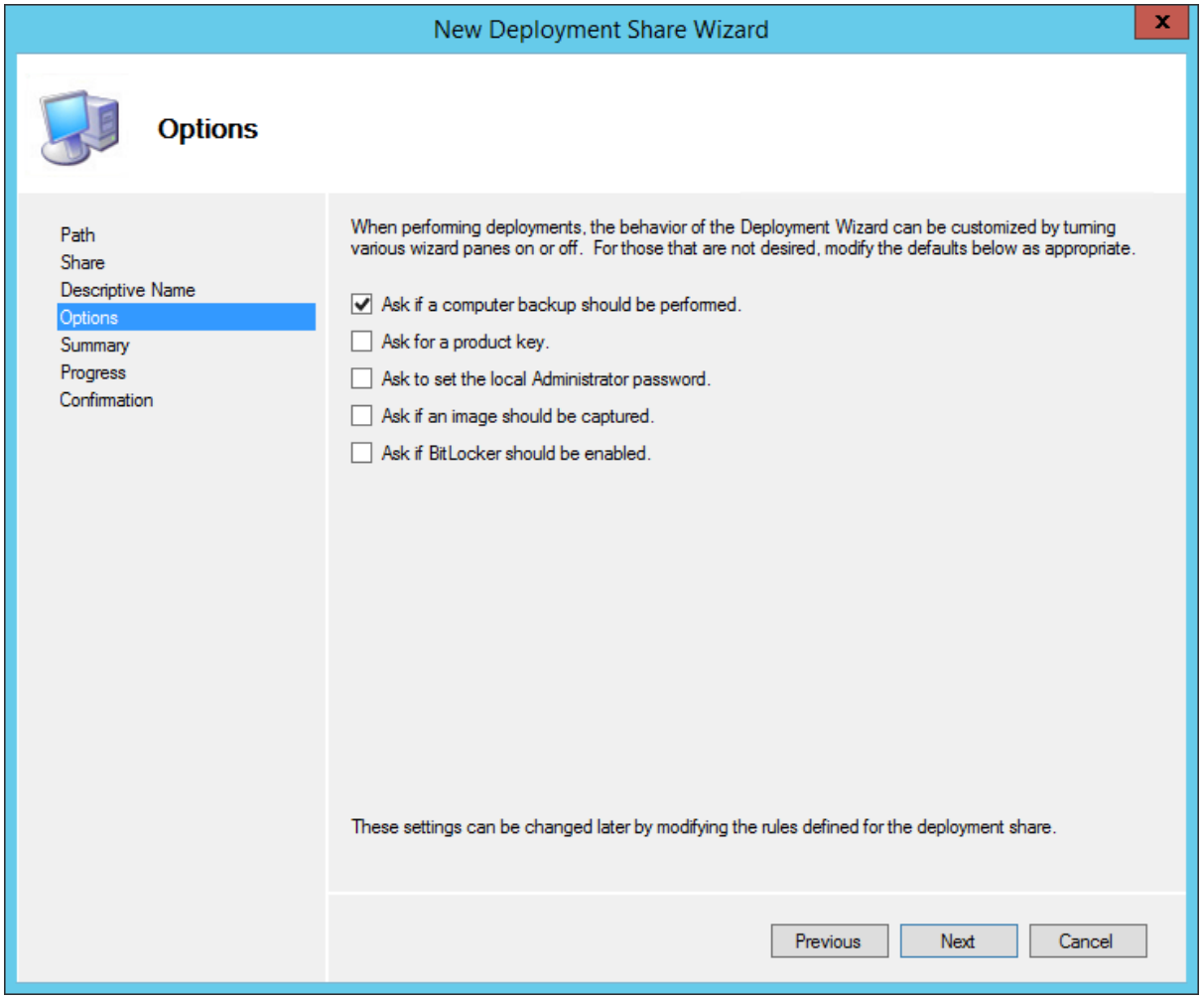

Reference Image Capture VM on OMEGA - Virtual Machine Connection
File Action Media Clipboard View Help
Windows Deployment Wizard
Capture Image
Task Sequence
Computer Details
Applications
Capture Image
Specify whether to capture an image.
Capture an image of this reference computer.
Specify the UNC path where the image should be stored and the file name to use.
Location:
\\LABMDT\ReferenceShare$\Captures
File name:
WIN8U1CAP.wim
Sysprep this computer.
Initiate Sysprep for the operating system, but do not capture an image (useful when generating a VHD).
Prepare to capture the machine.
Copy the needed Sysprep files to the proper location, but do nothing else.
Do not capture an image of this computer.
This is a normal deployment, so an image does not need to be captured.
Back
Next
Cancel
Status: Running

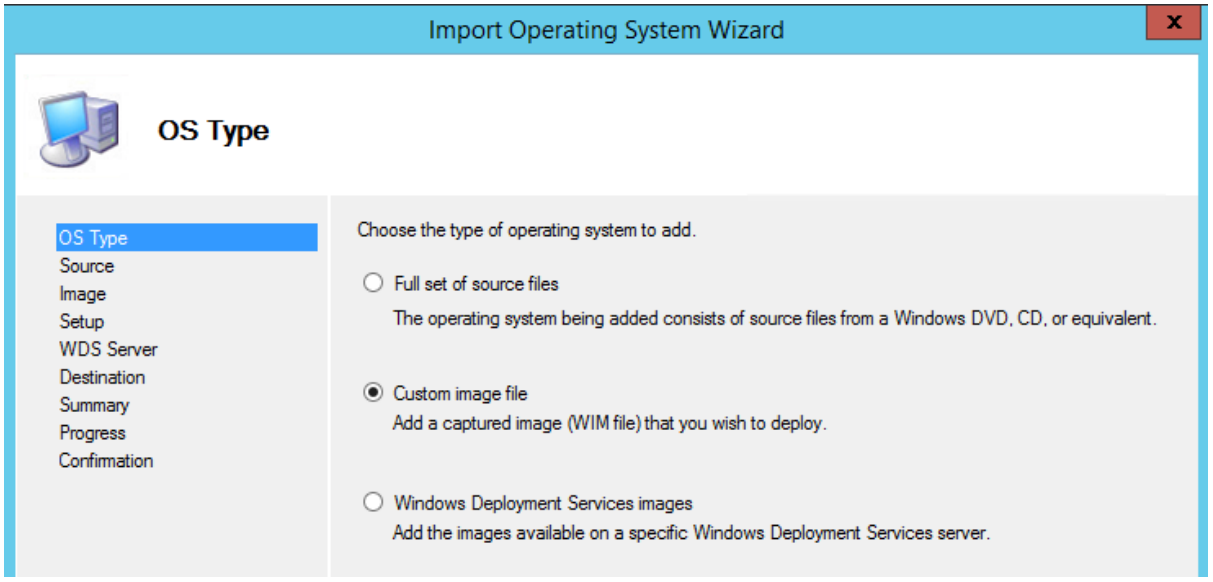

Reference Image Capture VM on OMEGA - Virtual Machine Connection
File Action Media Clipboard View Help
Recycle Bin
Foxit Reader
Installation Progress
MDT Reference Task Sequence
Running: Lite Touch Installation
Running action: Execute Sysprep
Sysprep is working ...
Processing generalize phase Sysprep plugins...
Windows 8.1 Enterprise
Build 9600
11:39 PM
10/2/2014
Status: Running

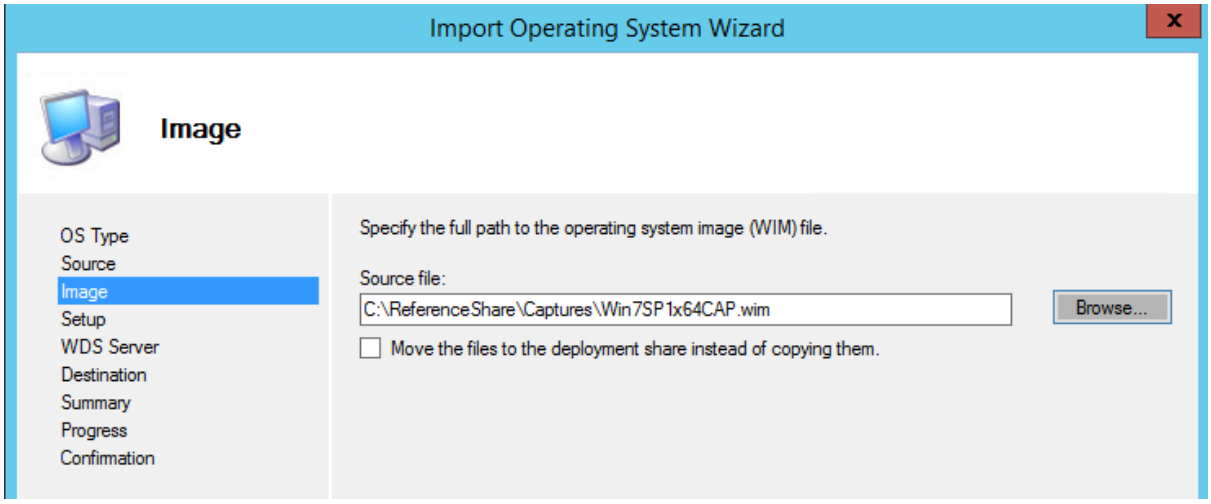

Reference Image Capture VM on OMEGA - Virtual Machine Connection
File Action Media Clipboard View Help
Microsoft Solution Accelerators
Installation Progress
MDT Reference Task Sequence
Running: Lite Touch Installation
Running action: Create WIM
[12%] Capturing progress: 27:26 mins remaining
Status: Running

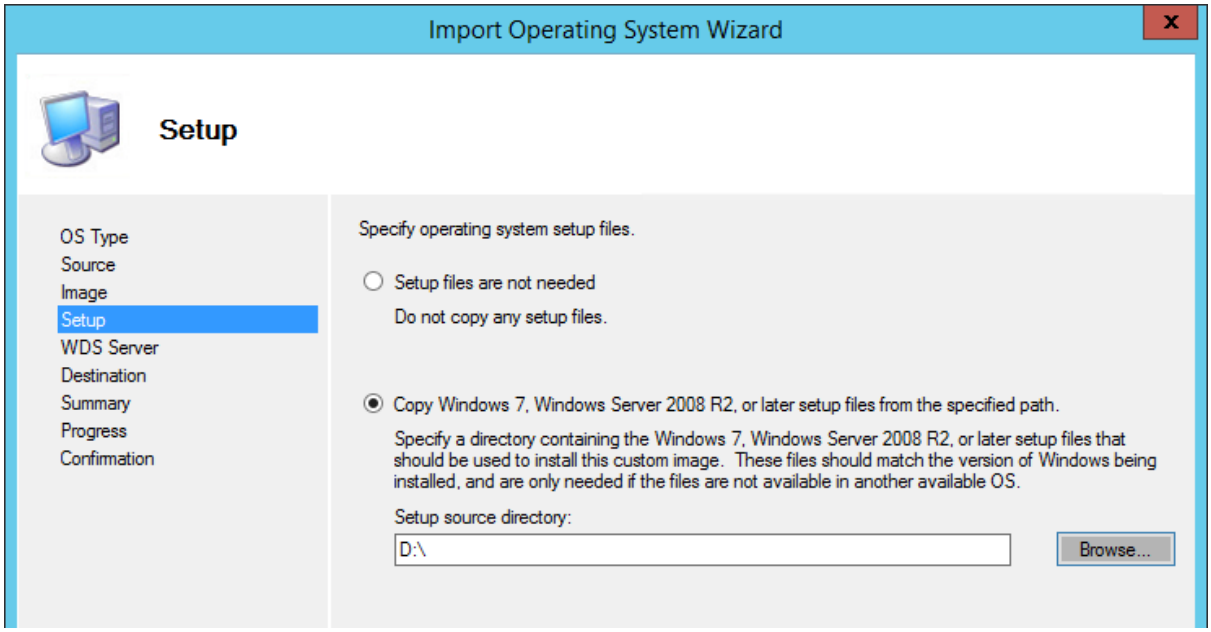

MDT on OMEGA - Virtual Machine Connection
File Action Media View Help
Captures
File Home Share View
This PC ▸ Local Disk (C:) ▸ ReferenceShare ▸ Captures
Favorites
Desktop
Downloads
Recent places
Name
Date modified
Type
Size
Win7SP1x64CAP.wim
10/2/2014 5:12 AM
WIM File
5,044,800 KB
WIN8U1CAP.wim
10/3/2014 12:03 AM
WIM File
5,551,501 KB

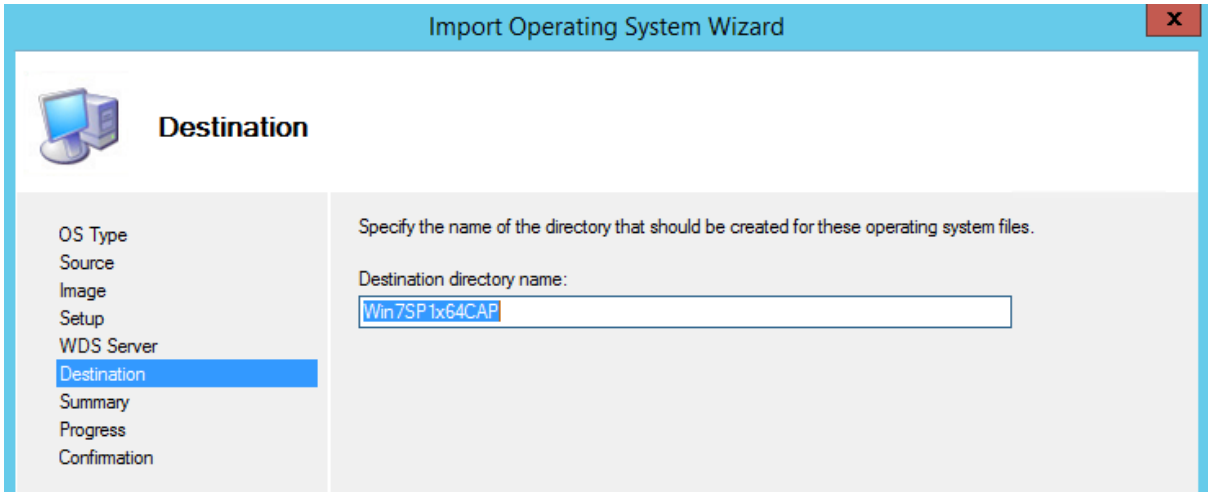

New Deployment Share Wizard
Path
Path
Share
Descriptive Name
Options
Summary
Progress
Confirmation
Specify the location of the network share for this deployment type.
Deployment share path:
C:\DeploymentShare
Browse...
Previous
Next
Cancel


New Deployment Share Wizard
Options
Path
Share
Descriptive Name
Options
Summary
Progress
Confirmation
When performing deployments, the behavior of the Deployment Wizard can be customized by turning various wizard panes on or off. For those that are not desired, modify the defaults below as appropriate.
Ask if a computer backup should be performed.
Ask for a product key.
Ask to set the local Administrator password.
Ask if an image should be captured.
Ask if BitLocker should be enabled.
These settings can be changed later by modifying the rules defined for the deployment share.
Previous
Next
Cancel


Import Operating System Wizard
OS Type
OS Type
Source
Image
Setup
WDS Server
Destination
Summary
Progress
Confirmation
Choose the type of operating system to add.
Full set of source files
The operating system being added consists of source files from a Windows DVD, CD, or equivalent.
Custom image file
Add a captured image (WIM file) that you wish to deploy.
Windows Deployment Services images
Add the images available on a specific Windows Deployment Services server.

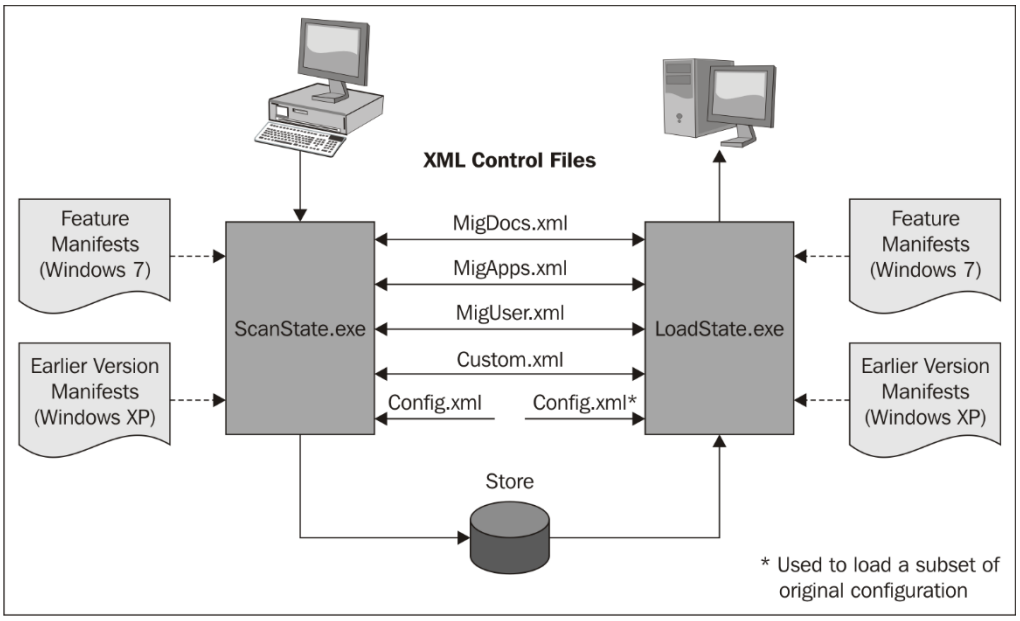

Import Operating System Wizard
Image
OS Type
Source
Image
Setup
WDS Server
Destination
Summary
Progress
Confirmation
Specify the full path to the operating system image (WIM) file.
Source file:
C:\ReferenceShare\Captures\Win7SP1x64CAP.wim
Browse...
Move the files to the deployment share instead of copying them.

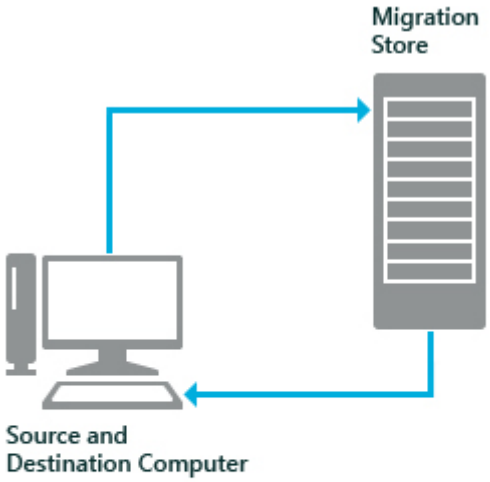

Import Operating System Wizard
Setup
OS Type
Source
Image
Setup
WDS Server
Destination
Summary
Progress
Confirmation
Specify operating system setup files.
Setup files are not needed
Do not copy any setup files.
Copy Windows 7, Windows Server 2008 R2, or later setup files from the specified path.
Specify a directory containing the Windows 7, Windows Server 2008 R2, or later setup files that should be used to install this custom image. These files should match the version of Windows being installed, and are only needed if the files are not available in another available OS.
Setup source directory:
D:\
Browse...


Import Operating System Wizard
Destination
OS Type
Source
Image
Setup
WDS Server
Destination
Summary
Progress
Confirmation
Specify the name of the directory that should be created for these operating system files.
Destination directory name:
Win7SP1x64CAP

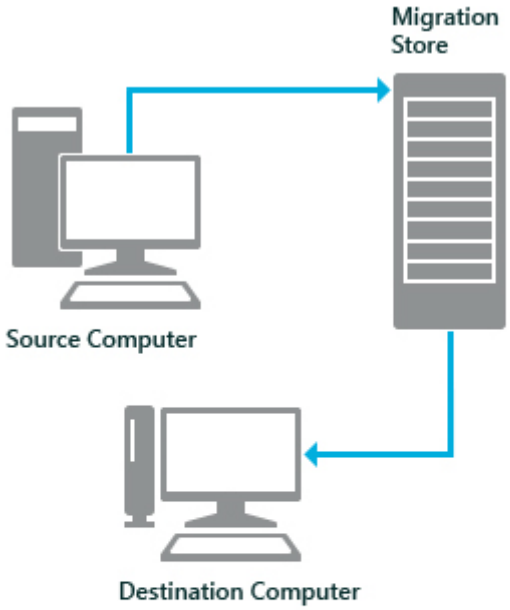
Chapter 8: USMT – The User State Migration Tool

	Windows XP	Windows Vista	Windows 7	Windows 8
Windows XP	USMT 3	USMT 4	USMT 4, 5	USMT 5
Windows Vista	Not supported	USMT 4	USMT 4, 5	USMT 5
Windows 7	Not supported	Not supported	USMT 4, 5	USMT 5
Windows 8	Not supported	Not supported	Not supported	USMT 5

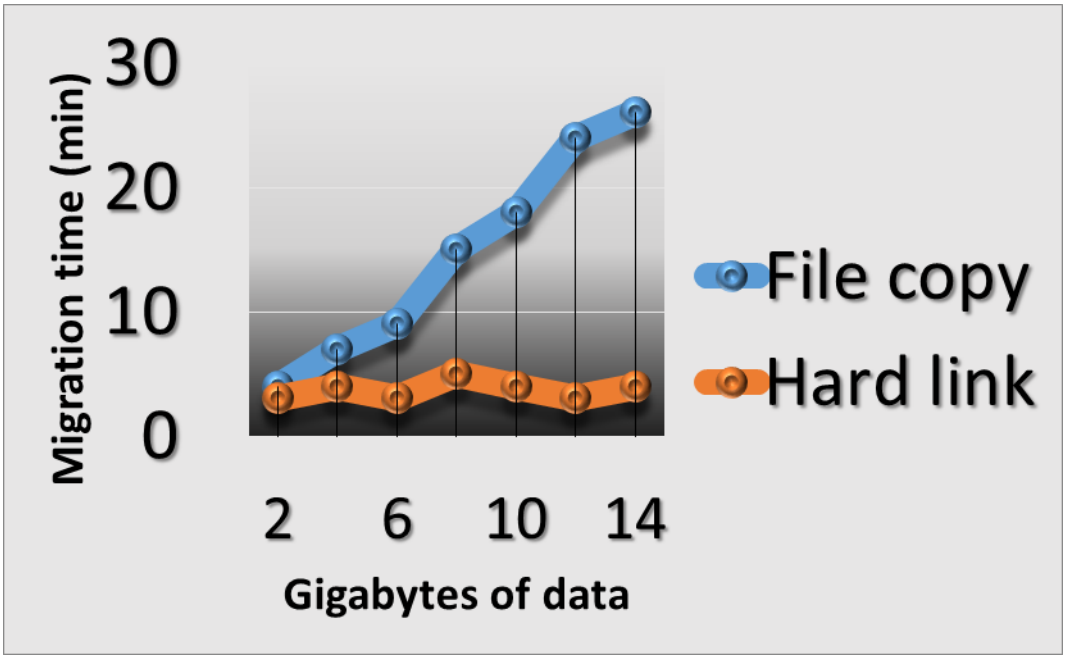




1. ScanState collects user state and saves data to Migration Store
2. New operating system is installed
3. LoadState restores user state



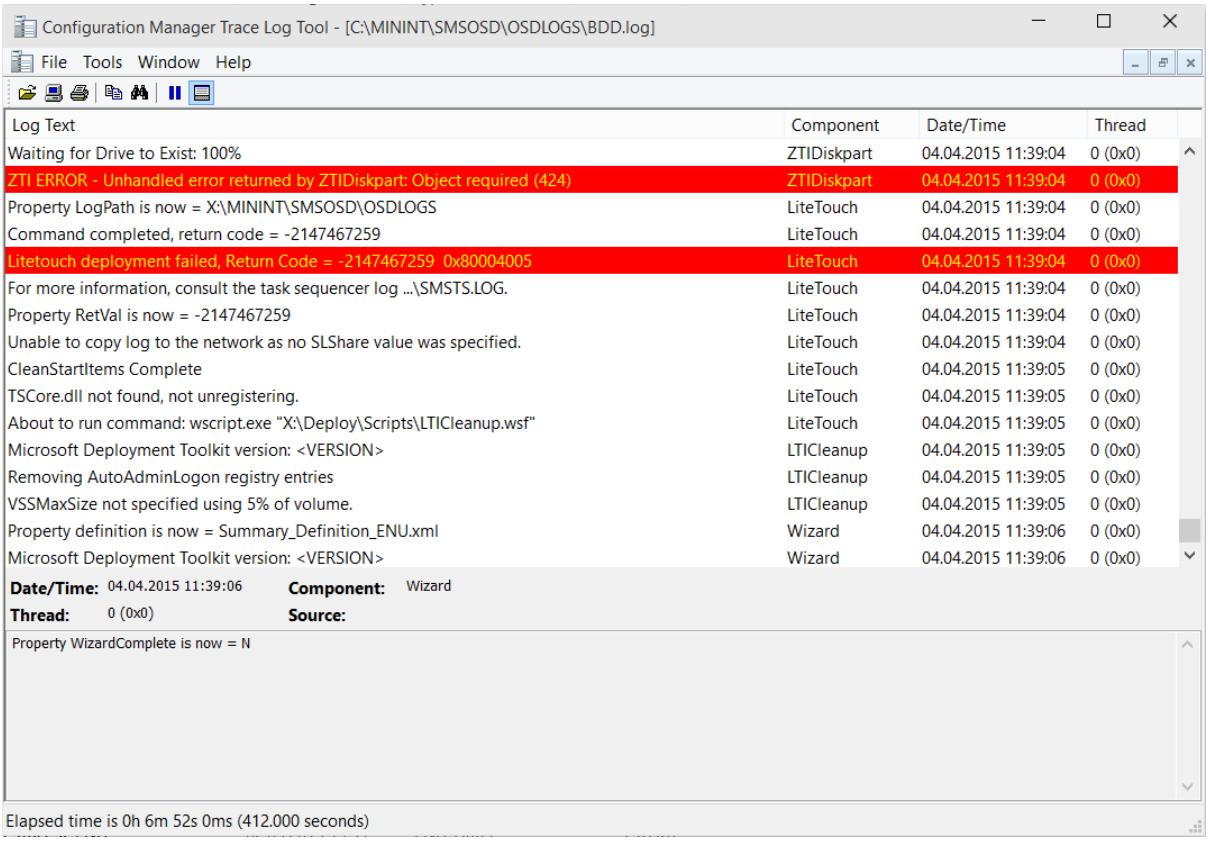
1. ScanState collects user state from Source computer and saves data to Migration Store
2. New operating system is installed on Destination Computer
3. LoadState restores user state on Destination Computer



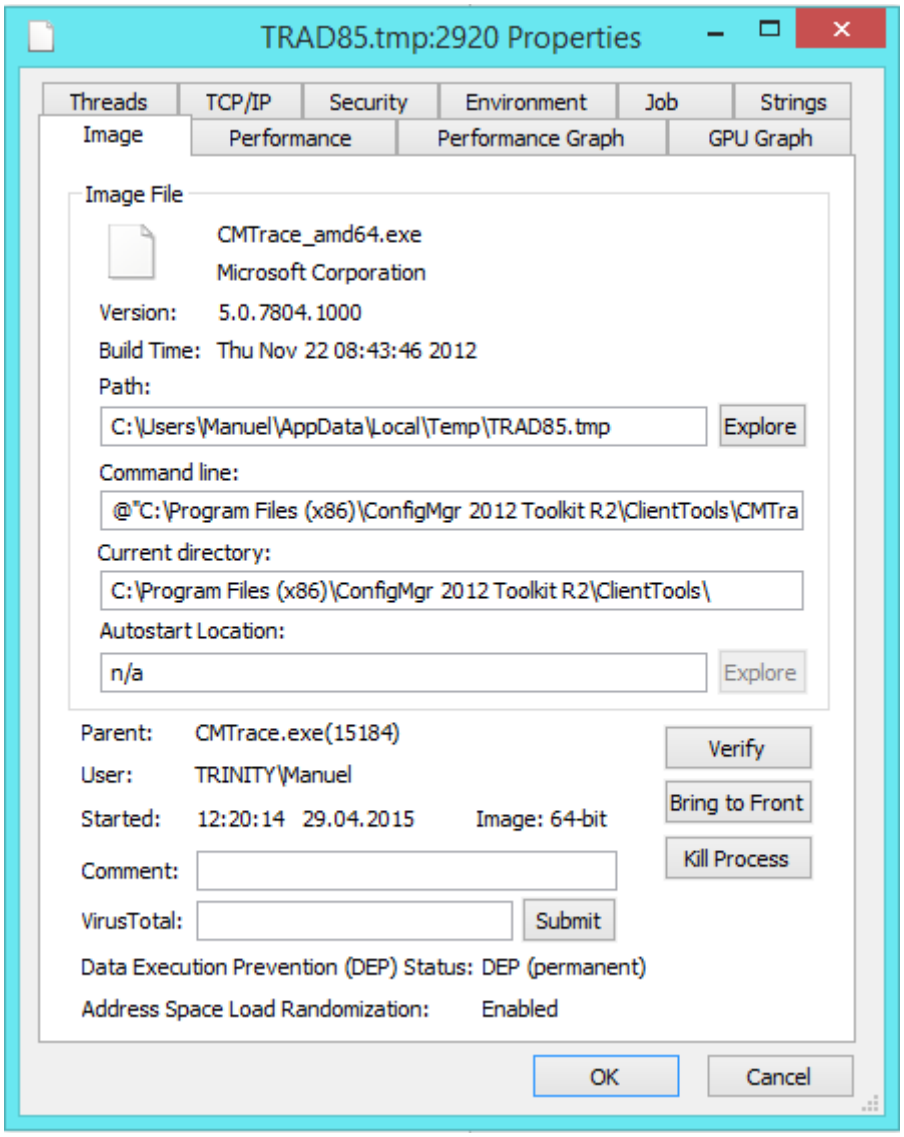
Chapter 9: Troubleshooting Deployment Logs

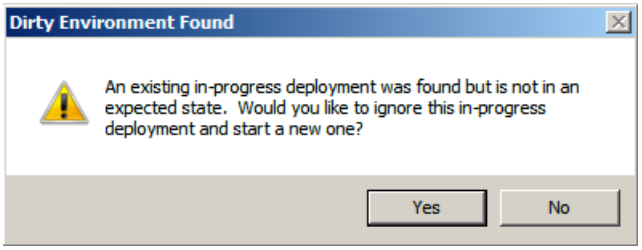
```
2013-10-02 11:34:47, Info                  CONX   installprep.exe: Started Logging ...
2013-10-02 11:34:47, Info       [0x090008] PANTHR CBlackboard::Open: C:\$WINDOWS.~BT\Sources\Panther\installinfo succeeded.
2013-10-02 11:34:47, Info                  CONX   installprep.exe Launched from G:\Sources
2013-10-02 11:34:47, Info                  CONX   Initialized Sources Folder = C:\$WINDOWS.~BT\Sources
2013-10-02 11:34:47, Info                  CONX   Initialized Panther Folder = C:\$WINDOWS.~BT\Sources\Panther
2013-10-02 11:34:47, Info                  CONX   Initialized Setup DU Folder = C:\$WINDOWS.~BT\DUDownload\Setup
2013-10-02 11:34:47, Info                  CONX   Initialized Blackboard C:\$WINDOWS.~BT\Sources\Panther\installinfo
2013-10-02 11:34:47, Info                  CONX   Install pkg location G:\Sources\install.wim
2013-10-02 11:34:47, Info                  CONX   CSetupFileCopier::CopySetupFiles: start copying setup files
2013-10-02 11:34:47, Info                  CONX   CSetupFileCopier::GenerateCopyListFromConfigFile: Number of file names found: 113
2013-10-02 11:34:47, Info                  CONX   CSetupFileCopier::GenerateCopyListFromConfigFile: Number of folder names found: 6
2013-10-02 11:34:51, Info                  CONX   CSetupFileCopier::CopySetupFiles: successfully complete copying setup files
2013-10-02 11:34:51, Info                  CONX   Command line arguments stored to BB --
2013-10-02 11:34:51, Info                  CONX   Command line to use to launch install:  /downlevel
2013-10-02 11:34:51, Info       [0x090009] PANTHR CBlackboard::Close: c:\$windows.~bt\sources\panther\installinfo.
2013-10-02 11:34:51, Info                  CONX   Launching C:\$WINDOWS.~BT\Sources\install.exe  /downlevel
2013-10-02 11:34:51, Info                  CONX   install.exe: Started Logging ...
2013-10-02 11:34:51, Info       [0x090008] PANTHR CBlackboard::Open: C:\$WINDOWS.~BT\Sources\Panther\installinfo succeeded.
2013-10-02 11:34:51, Info                  CONX   InitializeWorkingDirectory: Successfully initialized working directory
2013-10-02 11:34:51, Info                  CONX                               Running Mode = 1
2013-10-02 11:34:51, Info                  CONX                               ~BT Directory = C:\$WINDOWS.~BT
2013-10-02 11:34:51, Info                  CONX                               Working Directory = C:\$WINDOWS.~BT\Sources\Panther
2013-10-02 11:34:51, Info                  CONX                               Logging Directory = C:\$WINDOWS.~BT\Sources\Panther
2013-10-02 11:34:51, Info                  CONX                               Setup DU Directory = C:\$WINDOWS.~BT\DUDownload\Setup
2013-10-02 11:34:51, Info                  CONX                               Driver DU Directory = C:\$WINDOWS.~BT\DUDownload\Drivers
2013-10-02 11:34:51, Info                  CONX                               Component DU Directory = C:\$WINDOWS.~BT\DUDownload\Components
2013-10-02 11:34:51, Info                  CONX   Command line parameters: /downlevel
2013-10-02 11:34:51, Info                  CONX   CSetupLangIniLoader::Initialize: LANG.INI Directory = C:\$WINDOWS.~BT\Sources
2013-10-02 11:34:51, Info                  CONX   CSetupLangIniLoader::Initialize: Language Pack Root = ..\Langpacks
2013-10-02 11:34:51, Info                  CONX   CSetupLangIniLoader::Initialize: 1 languages found.
2013-10-02 11:34:51, Info                  CONX   CSetupLangIniLoader::Initialize: Adding language: index: 0
```

```
<![LOG[Waiting for Drive to Exist: 100%]LOG]!><time="11:39:04.000+000" date="04-04-2015" component="ZTIDiskpart" context="" type="1"
thread="" file="ZTIDiskpart">
<![LOG[ZTI ERROR - Unhandled error returned by ZTIDiskpart: Object required (424)]LOG]!><time="11:39:04.000+000" date="04-04-2015"
component="ZTIDiskpart" context="" type="3" thread="" file="ZTIDiskpart">
<![LOG[Property LogPath is now = X:\MININT\SMSOSD\OSDLOGS]LOG]!><time="11:39:04.000+000" date="04-04-2015" component="LiteTouch"
context="" type="1" thread="" file="LiteTouch">
<![LOG[Command completed, return code = -2147467259]LOG]!><time="11:39:04.000+000" date="04-04-2015" component="LiteTouch" context=""
type="1" thread="" file="LiteTouch">
<![LOG[Litetouch deployment failed, Return Code = -2147467259  0x80004005]LOG]!><time="11:39:04.000+000" date="04-04-2015"
component="LiteTouch" context="" type="3" thread="" file="LiteTouch">
<![LOG[For more information, consult the task sequencer log ...\SMSTS.LOG.]LOG]!><time="11:39:04.000+000" date="04-04-2015"
component="LiteTouch" context="" type="1" thread="" file="LiteTouch">
<![LOG[Property RetVal is now = -2147467259]LOG]!><time="11:39:04.000+000" date="04-04-2015" component="LiteTouch" context="" type="1"
thread="" file="LiteTouch">
<![LOG[Unable to copy log to the network as no SLShare value was specified.]LOG]!><time="11:39:04.000+000" date="04-04-2015"
component="LiteTouch" context="" type="1" thread="" file="LiteTouch">
<![LOG[CleanStartItems Complete]LOG]!><time="11:39:05.000+000" date="04-04-2015" component="LiteTouch" context="" type="1" thread=""
file="LiteTouch">
<![LOG[TSCore.dll not found, not unregistering.]LOG]!><time="11:39:05.000+000" date="04-04-2015" component="LiteTouch" context="" type="1"
thread="" file="LiteTouch">
<![LOG[About to run command: wscript.exe "X:\Deploy\Scripts\LTICleanup.wsf"]LOG]!><time="11:39:05.000+000" date="04-04-2015"
component="LiteTouch" context="" type="1" thread="" file="LiteTouch">
<![LOG[Microsoft Deployment Toolkit version: <VERSION>]LOG]!><time="11:39:05.000+000" date="04-04-2015" component="LTICleanup" context=""
type="1" thread="" file="LTICleanup">
<![LOG[Removing AutoAdminLogon registry entries]LOG]!><time="11:39:05.000+000" date="04-04-2015" component="LTICleanup" context=""
type="1" thread="" file="LTICleanup">
<![LOG[VSSMaxSize not specified using 5% of volume.]LOG]!><time="11:39:05.000+000" date="04-04-2015" component="LTICleanup" context=""
type="1" thread="" file="LTICleanup">
<![LOG[Property definition is now = Summary_Definition_ENU.xml]LOG]!><time="11:39:06.000+000" date="04-04-2015" component="Wizard"
context="" type="1" thread="" file="Wizard">
```

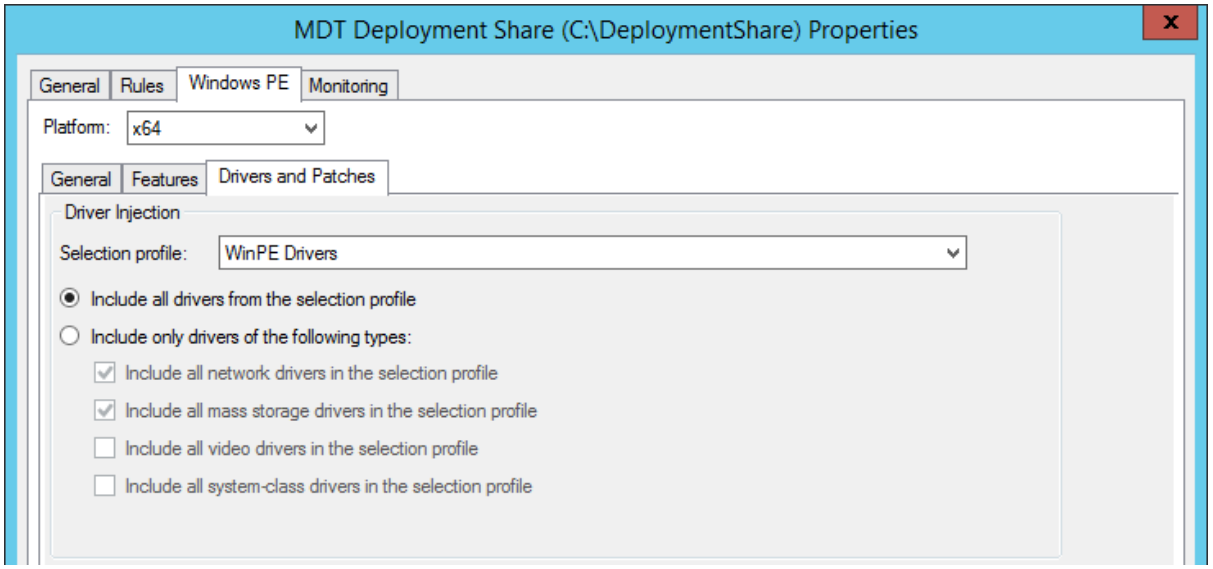

Configuration Manager Trace Log Tool - [C:\MININT\SMSOSD\OSDLOGS\BDD.log]
File Tools Window Help
Log Text Component Date/Time Thread
Waiting for Drive to Exist: 100% ZTIDiskpart 04.04.2015 11:39:04 0 (0x0)
ZTI ERROR - Unhandled error returned by ZTIDiskpart: Object required (424) ZTIDiskpart 04.04.2015 11:39:04 0 (0x0)
Property LogPath is now = X:\MININT\SMSOSD\OSDLOGS LiteTouch 04.04.2015 11:39:04 0 (0x0)
Command completed, return code = -2147467259 LiteTouch 04.04.2015 11:39:04 0 (0x0)
Litetouch deployment failed, Return Code = -2147467259 0x80004005 LiteTouch 04.04.2015 11:39:04 0 (0x0)
For more information, consult the task sequencer log ...\SMSTS.LOG. LiteTouch 04.04.2015 11:39:04 0 (0x0)
Property RetVal is now = -2147467259 LiteTouch 04.04.2015 11:39:04 0 (0x0)
Unable to copy log to the network as no SLShare value was specified. LiteTouch 04.04.2015 11:39:04 0 (0x0)
CleanStartItems Complete LiteTouch 04.04.2015 11:39:05 0 (0x0)
TSCore.dll not found, not unregistering. LiteTouch 04.04.2015 11:39:05 0 (0x0)
About to run command: wscript.exe "X:\Deploy\Scripts\LTICleanup.wsf" LiteTouch 04.04.2015 11:39:05 0 (0x0)
Microsoft Deployment Toolkit version: <VERSION> LTICleanup 04.04.2015 11:39:05 0 (0x0)
Removing AutoAdminLogon registry entries LTICleanup 04.04.2015 11:39:05 0 (0x0)
VSSMaxSize not specified using 5% of volume. LTICleanup 04.04.2015 11:39:05 0 (0x0)
Property definition is now = Summary_Definition_ENU.xml Wizard 04.04.2015 11:39:06 0 (0x0)
Microsoft Deployment Toolkit version: <VERSION> Wizard 04.04.2015 11:39:06 0 (0x0)
Date/Time: 04.04.2015 11:39:06 Component: Wizard
Thread: 0 (0x0) Source:
Property WizardComplete is now = N
Elapsed time is 0h 6m 52s 0ms (412.000 seconds)

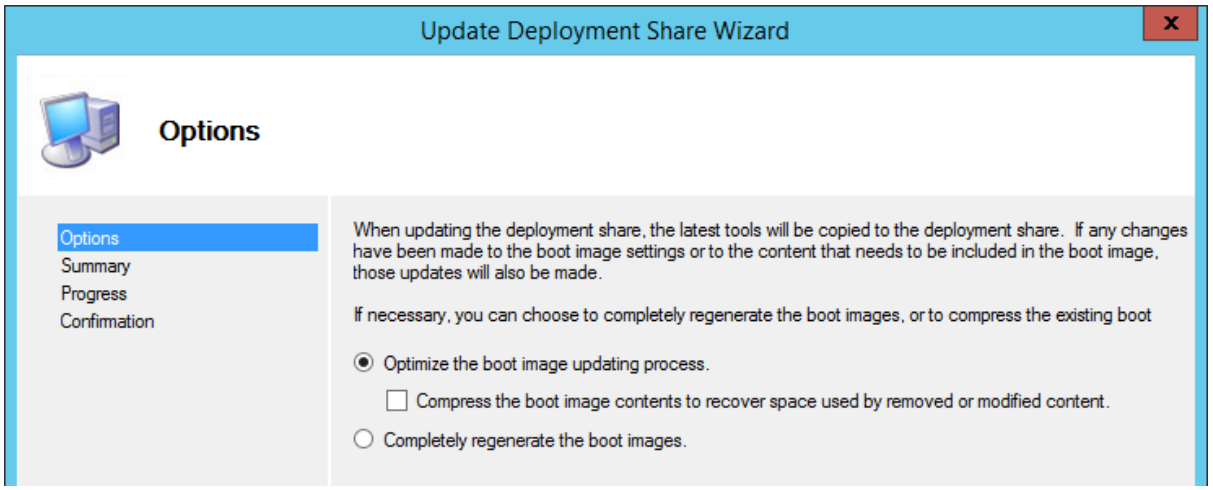
CMTrace.exe 15184 608 K 3.196 K Configuration Manager Trac... Microsoft Corporation
TRAD85.tmp 2920 1.324 K 6.328 K CMTrace_amd64.exe Microsoft Corporation



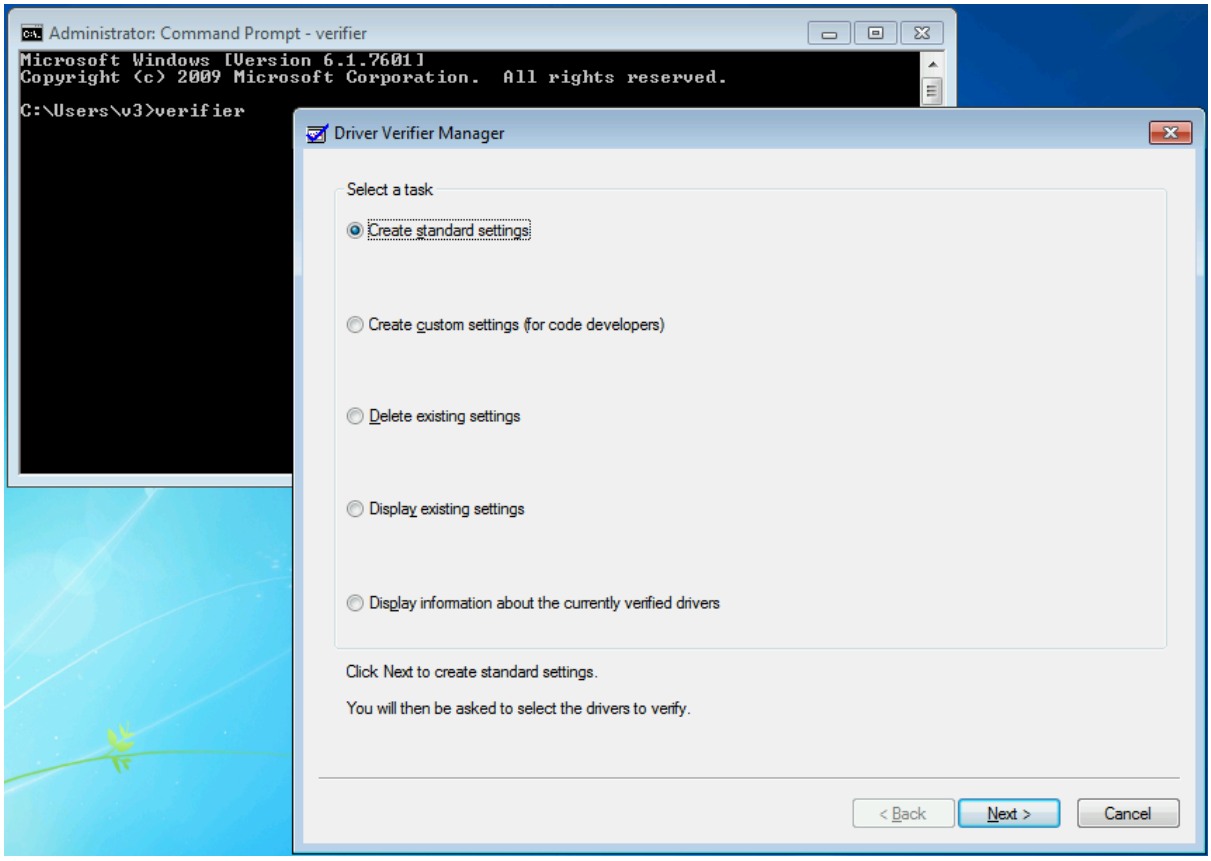


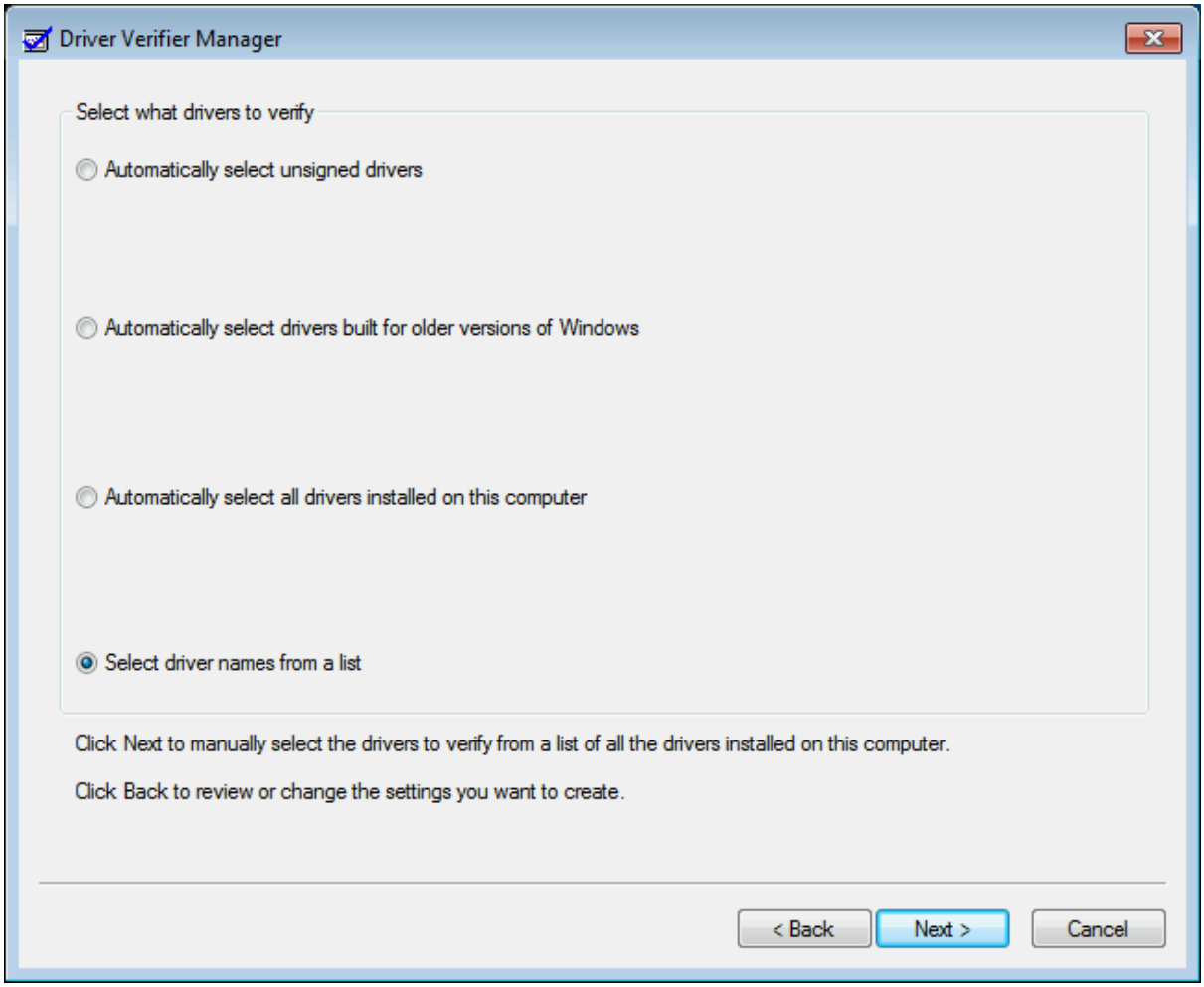

```
<RunSynchronousCommand wcm:action="add">
    <Description>Wipe MININT if needed</Description>
    <Order>1</Order>
    <Path>cscript.exe X:\WipeMININT.vbs</Path>
</RunSynchronousCommand>
<RunSynchronousCommand wcm:action="add">
    <Description>Lite Touch PE</Description>
    <Order>2</Order>
    <Path>wscript.exe X:\Deploy\Scripts\LiteTouch.wsf /Cleanstart</Path>
</RunSynchronousCommand>
```

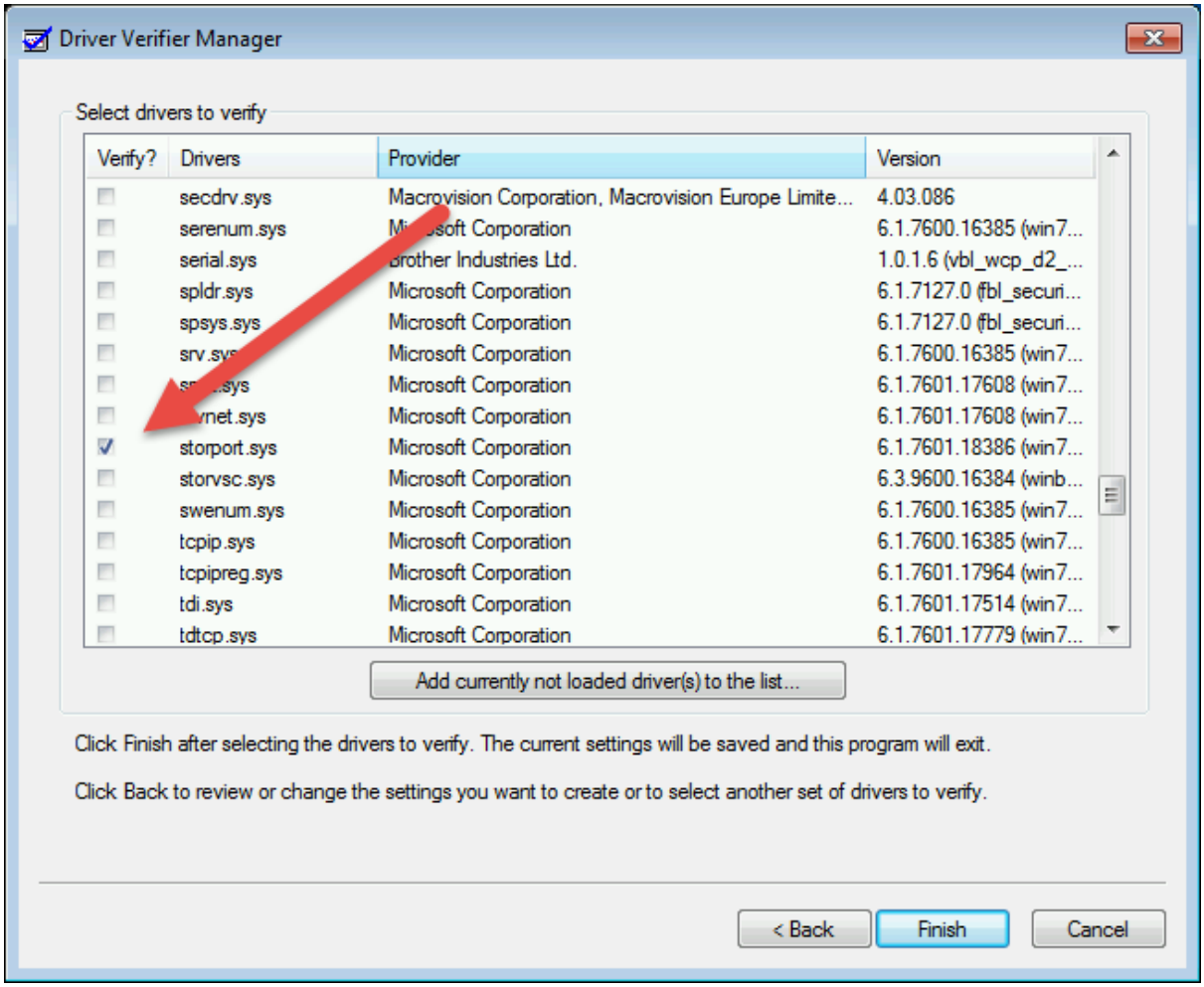

MDT Deployment Share (C:\DeploymentShare) Properties
General
Rules
Windows PE
Monitoring
Platform:
x64
General
Features
Drivers and Patches
Driver Injection
Selection profile:
WinPE Drivers
Include all drivers from the selection profile
Include only drivers of the following types:
Include all network drivers in the selection profile
Include all mass storage drivers in the selection profile
Include all video drivers in the selection profile
Include all system-class drivers in the selection profile

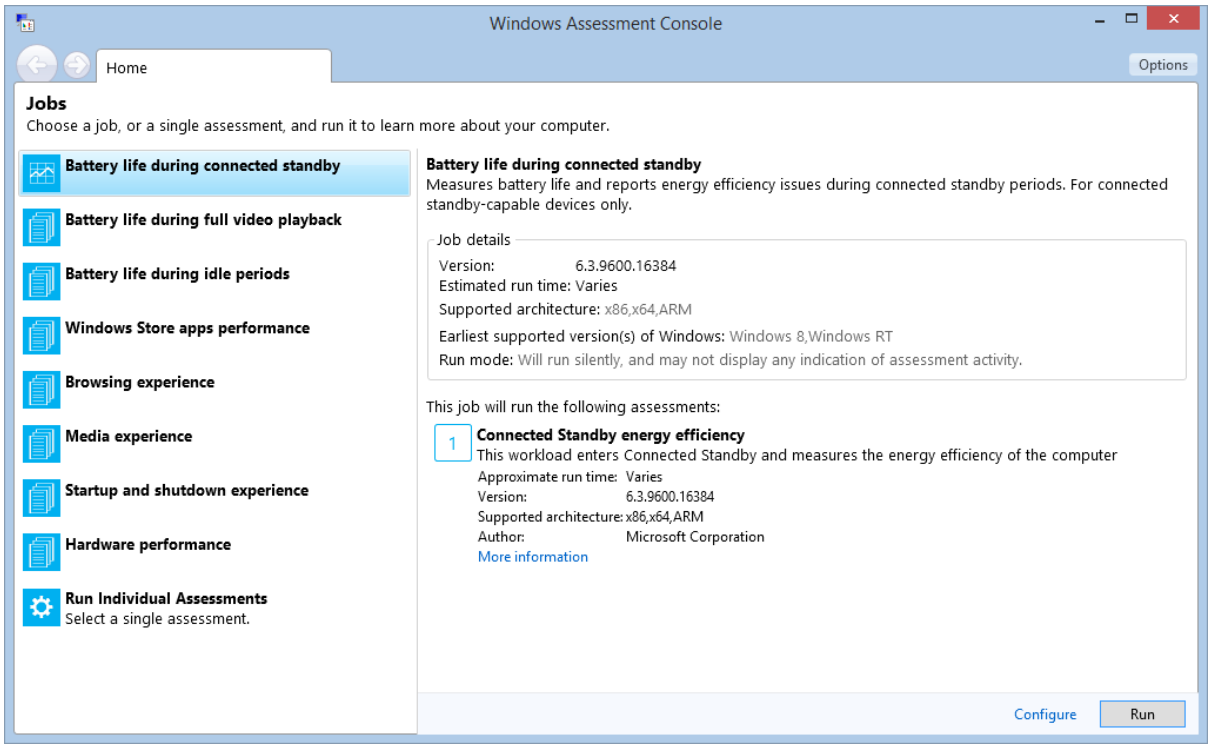

Update Deployment Share Wizard
Options
Options
Summary
Progress
Confirmation
When updating the deployment share, the latest tools will be copied to the deployment share. If any changes have been made to the boot image settings or to the content that needs to be included in the boot image, those updates will also be made.
If necessary, you can choose to completely regenerate the boot images, or to compress the existing boot
Optimize the boot image updating process.
Compress the boot image contents to recover space used by removed or modified content.
Completely regenerate the boot images.

Chapter 10: Validating the Image




Driver Verifier Manager
Select what drivers to verify
Automatically select unsigned drivers
Automatically select drivers built for older versions of Windows
Automatically select all drivers installed on this computer
Select driver names from a list
Click Next to manually select the drivers to verify from a list of all the drivers installed on this computer.
Click Back to review or change the settings you want to create.
< Back
Next >
Cancel

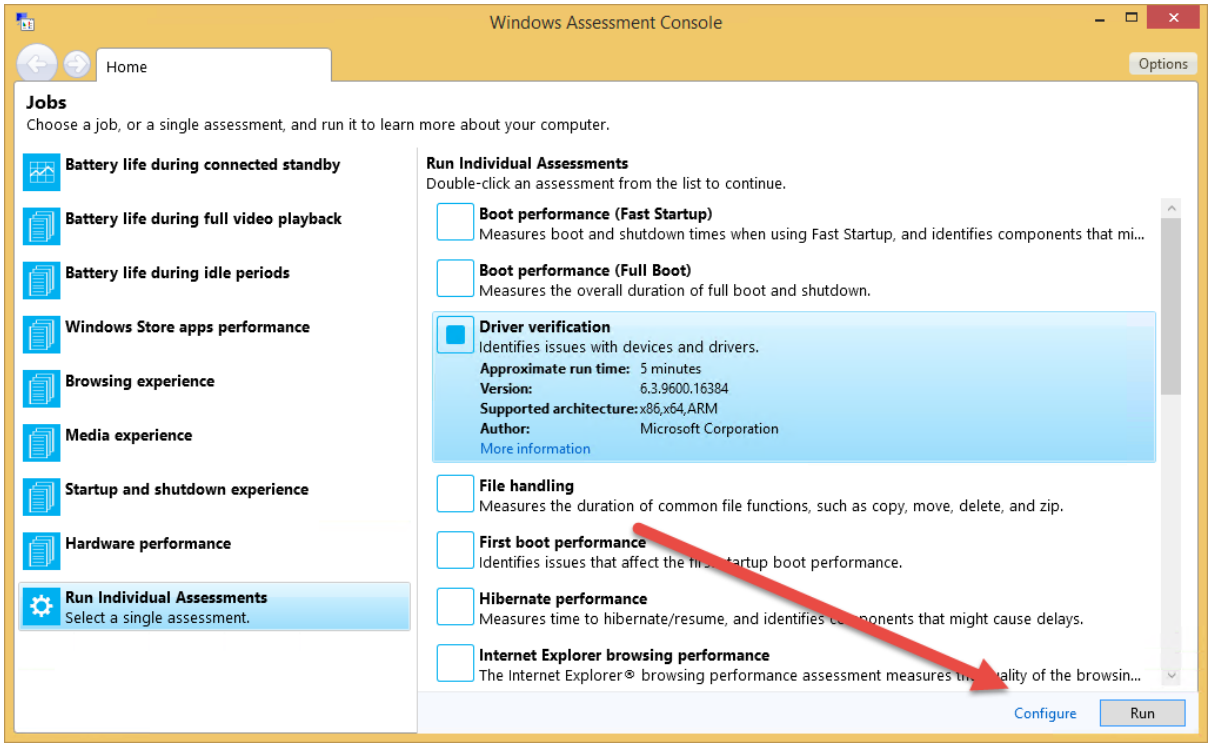

Driver Verifier Manager
Select drivers to verify
Verify?
Drivers
Provider
Version
secdrv.sys
Macrovision Corporation, Macrovision Europe Limite...
4.03.086
serenum.sys
Microsoft Corporation
6.1.7600.16385 (win7...
serial.sys
Brother Industries Ltd.
1.0.1.6 (vbl_wcp_d2_...
spldr.sys
Microsoft Corporation
6.1.7127.0 (fbl_securi...
spsys.sys
Microsoft Corporation
6.1.7127.0 (fbl_securi...
srv.sys
Microsoft Corporation
6.1.7600.16385 (win7...
Microsoft Corporation
6.1.7601.17608 (win7...
Microsoft Corporation
6.1.7601.17608 (win7...
storport.sys
Microsoft Corporation
6.1.7601.18386 (win7...
storvsc.sys
Microsoft Corporation
6.3.9600.16384 (winb...
swenum.sys
Microsoft Corporation
6.1.7600.16385 (win7...
tcpip.sys
Microsoft Corporation
6.1.7600.16385 (win7...
tcpipreg.sys
Microsoft Corporation
6.1.7601.17964 (win7...
tdi.sys
Microsoft Corporation
6.1.7601.17514 (win7...
tdtcp.sys
Microsoft Corporation
6.1.7601.17779 (win7...
Add currently not loaded driver(s) to the list...
Click Finish after selecting the drivers to verify. The current settings will be saved and this program will exit.
Click Back to review or change the settings you want to create or to select another set of drivers to verify.
< Back
Finish
Cancel

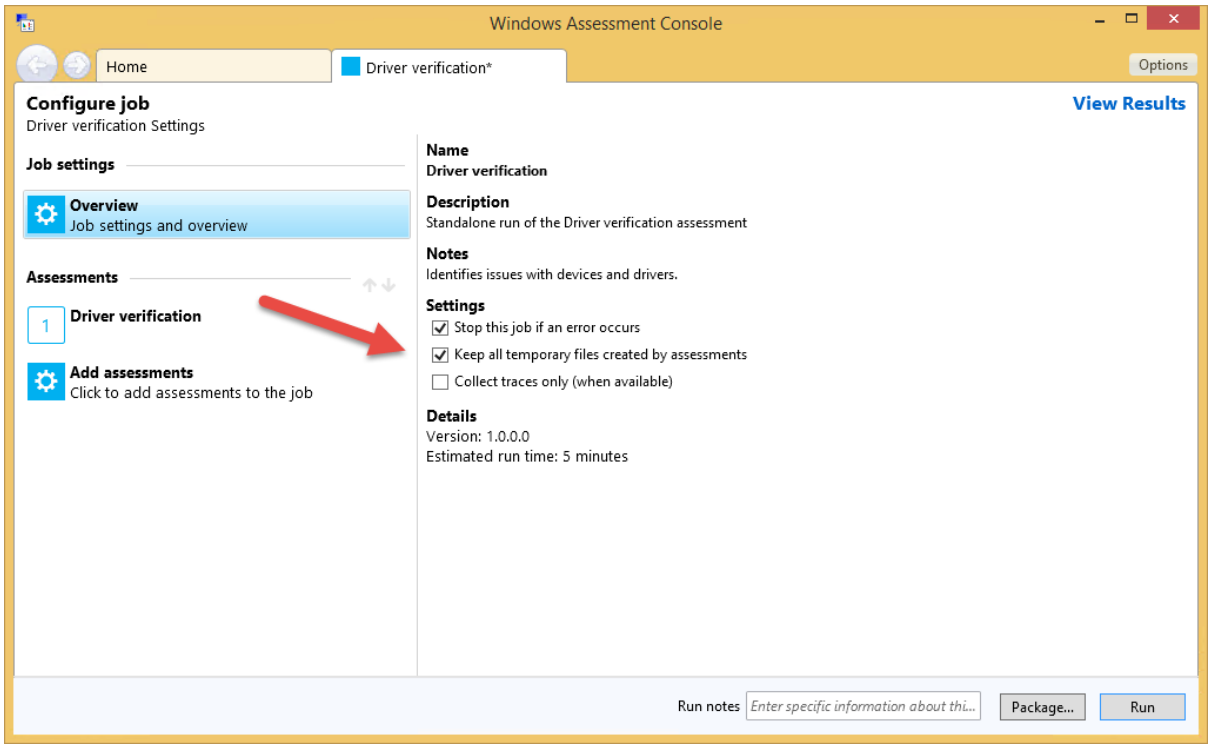

Windows Assessment Console
Home
Options
Jobs
Choose a job, or a single assessment, and run it to learn more about your computer.
Battery life during connected standby
Battery life during full video playback
Battery life during idle periods
Windows Store apps performance
Browsing experience
Media experience
Startup and shutdown experience
Hardware performance
Run Individual Assessments
Select a single assessment.
Battery life during connected standby
Measures battery life and reports energy efficiency issues during connected standby periods. For connected standby-capable devices only.
Job details
Version: 6.3.9600.16384
Estimated run time: Varies
Supported architecture: x86,x64,ARM
Earliest supported version(s) of Windows: Windows 8,Windows RT
Run mode: Will run silently, and may not display any indication of assessment activity.
This job will run the following assessments:
1
Connected Standby energy efficiency
This workload enters Connected Standby and measures the energy efficiency of the computer
Approximate run time: Varies
Version: 6.3.9600.16384
Supported architecture: x86,x64,ARM
Author: Microsoft Corporation
More information
Configure
Run

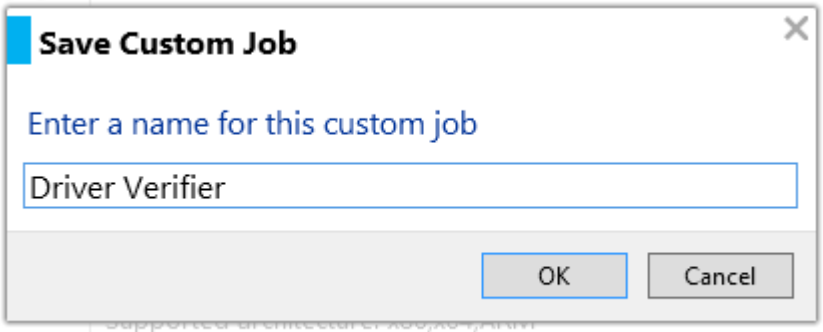
Run Individual Assessments

Double-click an assessment from the list to continue.

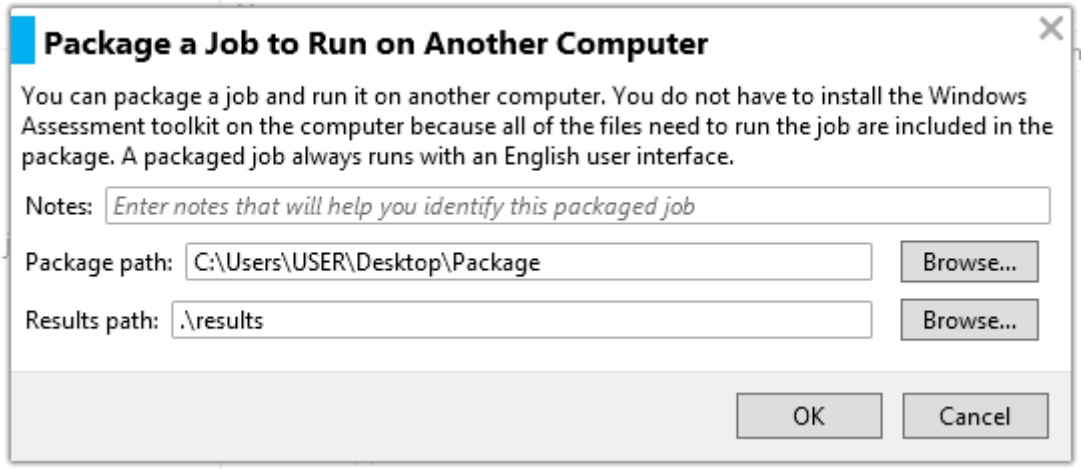
- [x] **Boot performance (Fast Startup)**
  Measures boot and shutdown times when using Fast Startup, and identifies components that might cause delays.
  Approximate run time: 2 hours
  Version: 6.3.9600.17029
  Supported architecture: x86,x64
  Author: Microsoft Corporation
  More information
- [ ] **Boot performance (Full Boot)**
  Measures the overall duration of full boot and shutdown.
- [ ] **Driver verification**
  Identifies issues with devices and drivers.
- [ ] **File handling**
  Measures the duration of common file functions, such as copy, move, delete, and zip.
- [ ] **First boot performance**
  Identifies issues that affect the first startup boot performance.
- [ ] **Hibernate performance**
  Measures time to hibernate/resume, and identifies components that might cause delays.
- [ ] **Internet Explorer browsing performance**
  The Internet Explorer® browsing performance assessment measures the quality of the browsing experience and
- [ ] **Internet Explorer Security Software impact**
  The Internext Explorer Security Software impact assessment measures the primary performance attributes of Inter
- [ ] **Internet Explorer startup performance**
  Measures the time to launch the Internet Explorer process, when the Internet Explorer process has already been l
- [ ] **Media transcoding performance**
  Measures the process of changing a video file to a different format or bit rate.
- [ ] **Memory footprint**
  Measures overall system memory usage, focusing on driver allocations and dynamic allocations.
- [ ] **Minifilter diagnostic: Boot performance (Fast Startup)**
  Identifies performance issues with minifilter drivers during system boot.
- [ ] **Minifilter diagnostic: File handling**
  Identifies performance issues with minifilter drivers while performing common file functions, such as copy, move,
- [ ] **Minifilter diagnostic: Internet Explorer**
  Identifies performance issues with minifilter drivers during Internet Explorer launch.

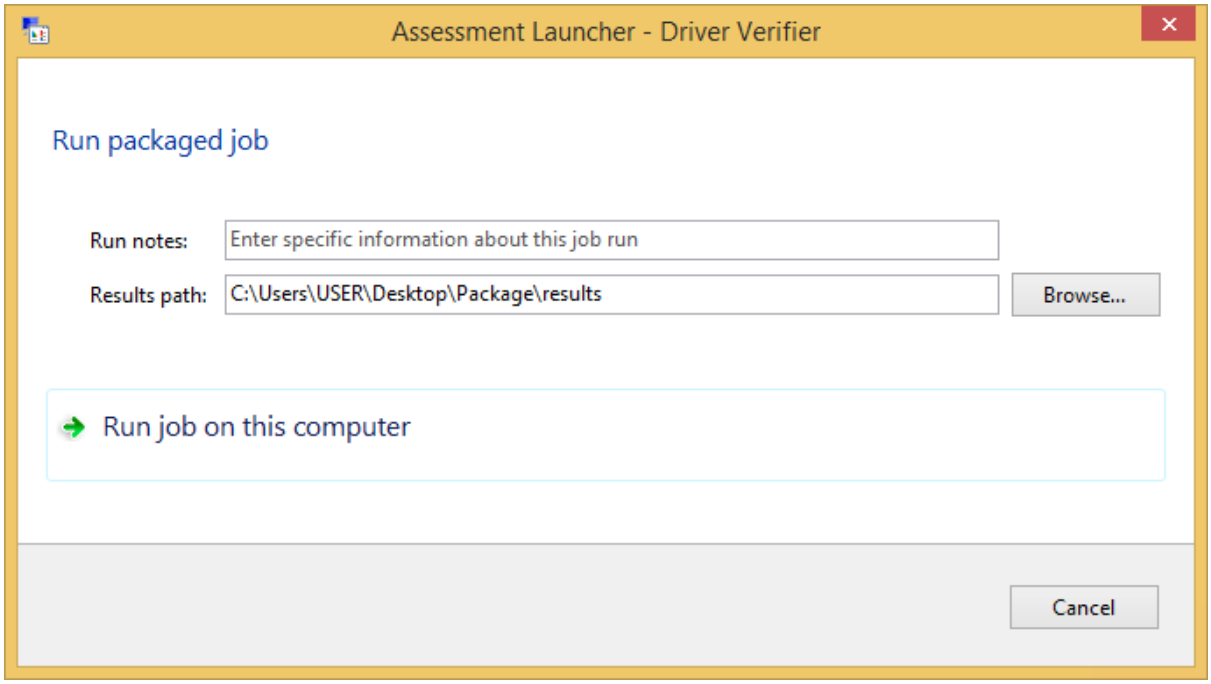

Windows Assessment Console
Home
Options
Jobs
Choose a job, or a single assessment, and run it to learn more about your computer.
Battery life during connected standby
Battery life during full video playback
Battery life during idle periods
Windows Store apps performance
Browsing experience
Media experience
Startup and shutdown experience
Hardware performance
Run Individual Assessments
Select a single assessment.
Run Individual Assessments
Double-click an assessment from the list to continue.
Boot performance (Fast Startup)
Measures boot and shutdown times when using Fast Startup, and identifies components that mi...
Boot performance (Full Boot)
Measures the overall duration of full boot and shutdown.
Driver verification
Identifies issues with devices and drivers.
Approximate run time: 5 minutes
Version: 6.3.9600.16384
Supported architecture: x86,x64,ARM
Author: Microsoft Corporation
More information
File handling
Measures the duration of common file functions, such as copy, move, delete, and zip.
First boot performance
Hibernate performance
Internet Explorer browsing performance
Configure
Run

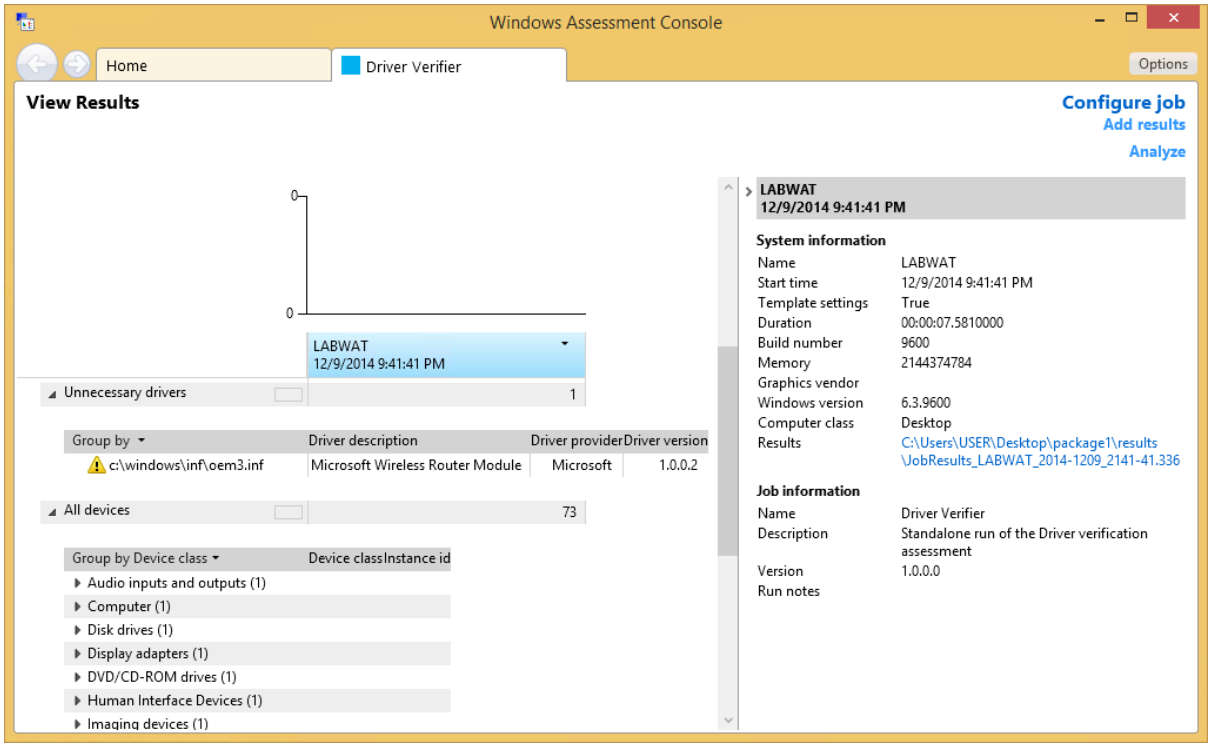

Windows Assessment Console
Home
Driver verification*
Options
Configure job
Driver verification Settings
View Results
Job settings
Overview
Job settings and overview
Assessments
1
Driver verification
Add assessments
Click to add assessments to the job
Name
Driver verification
Description
Standalone run of the Driver verification assessment
Notes
Identifies issues with devices and drivers.
Settings
Stop this job if an error occurs
Keep all temporary files created by assessments
Collect traces only (when available)
Details
Version: 1.0.0.0
Estimated run time: 5 minutes
Run notes
Enter specific information about thi...
Package...
Run

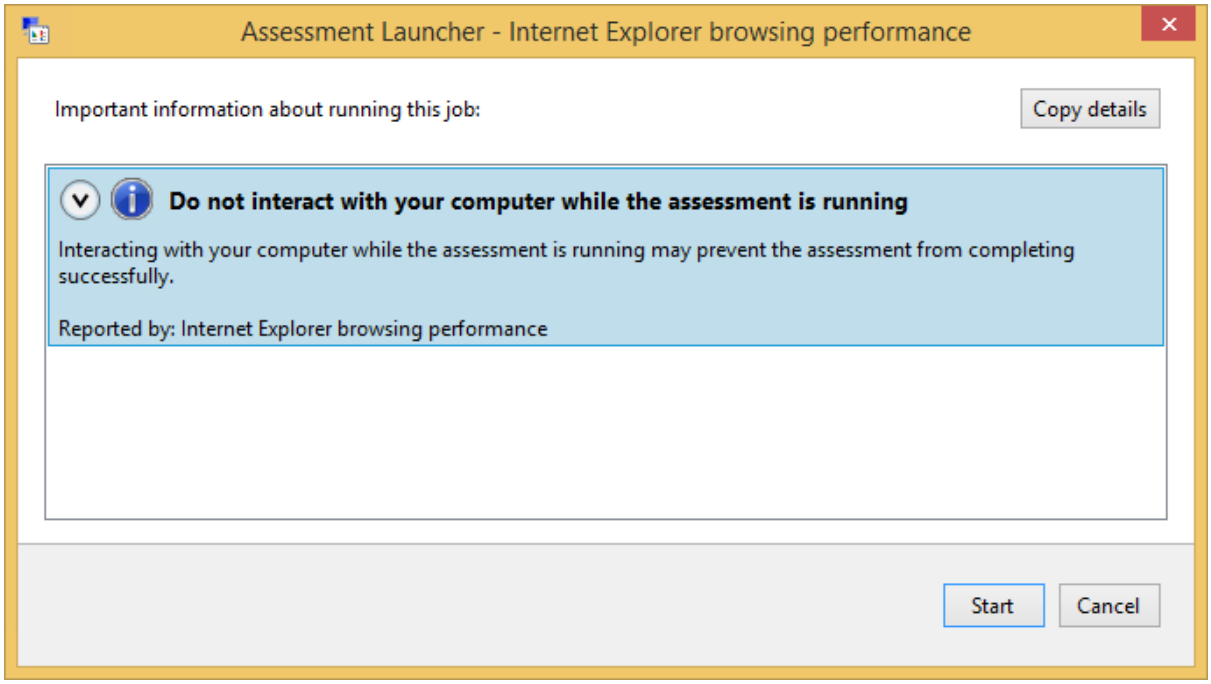


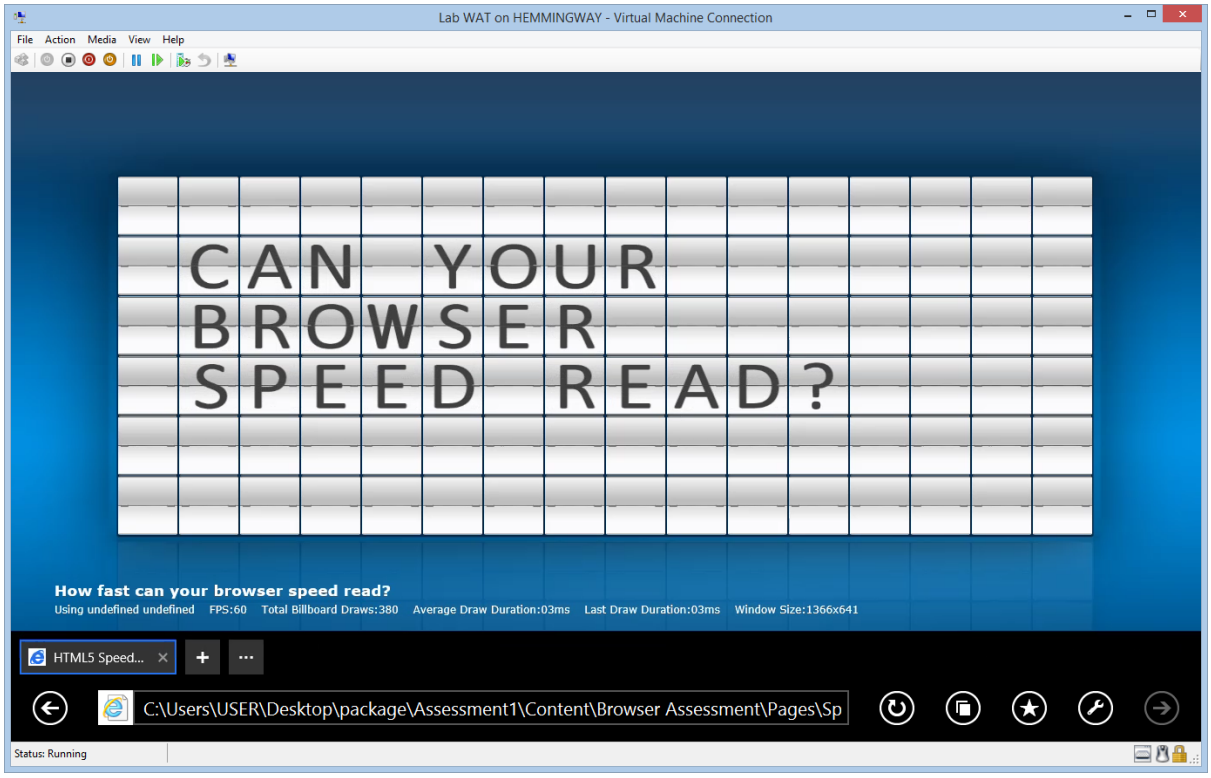
Earliest supported version(s) of Windows: Windows 7

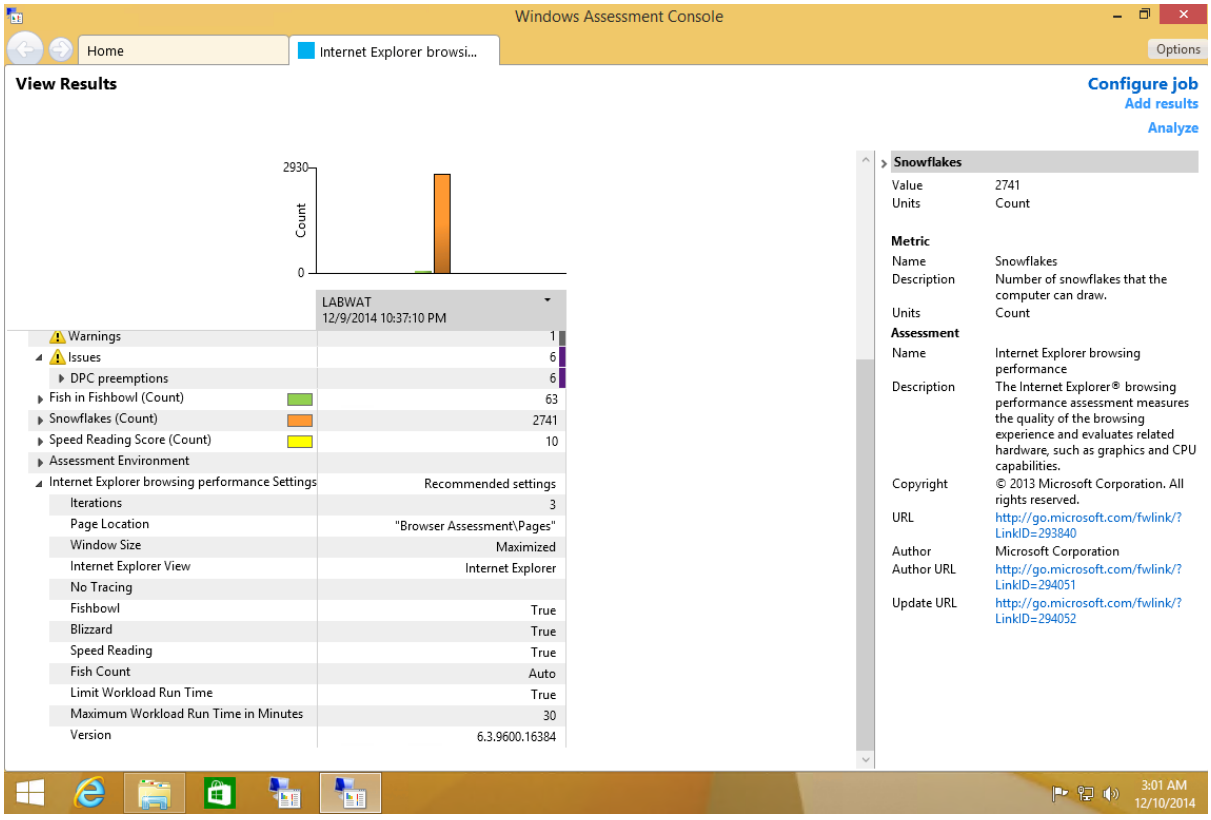


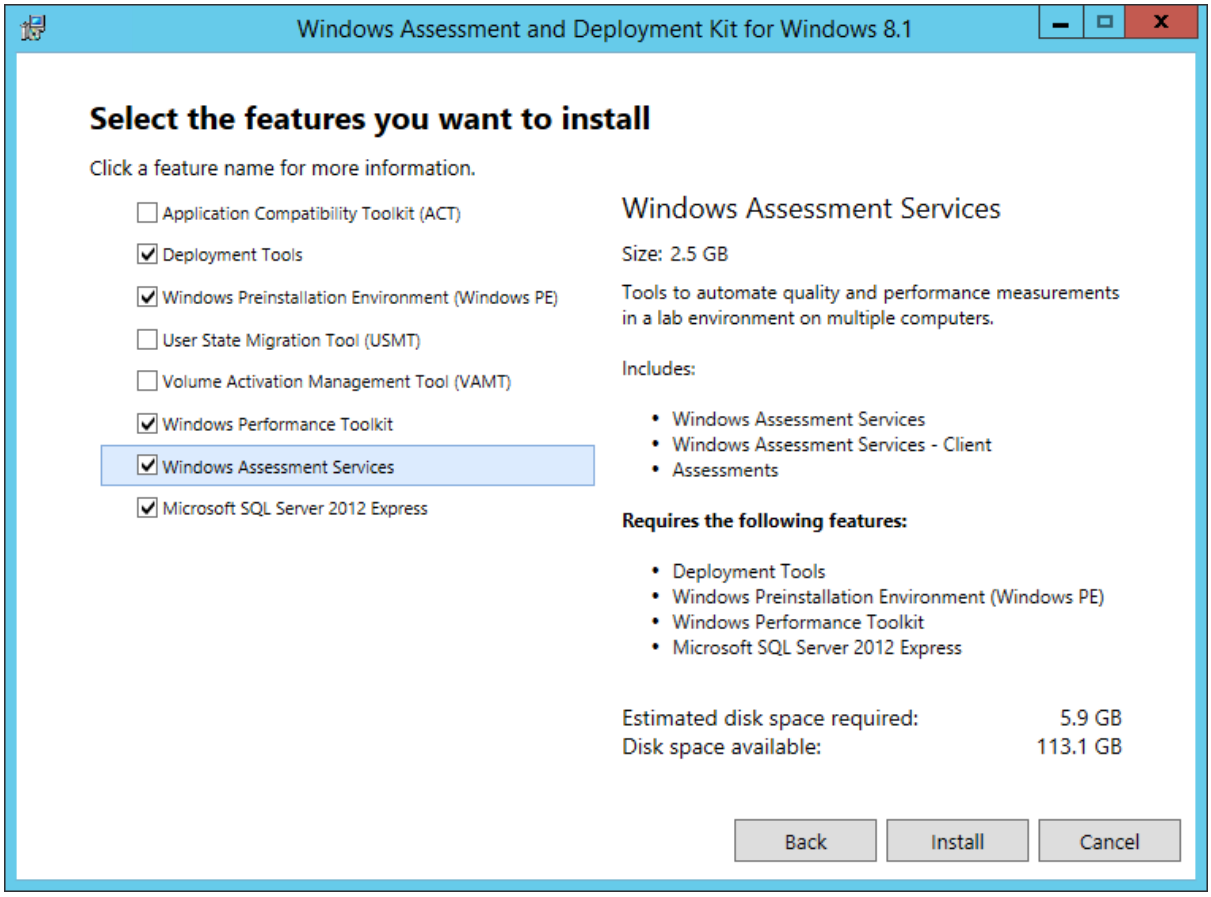


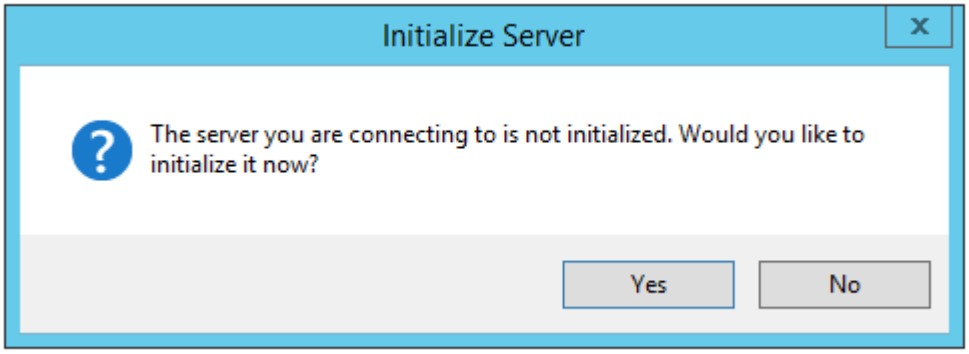

Windows Assessment Console
Home
Driver Verifier
Options
View Results
Configure job
Add results
Analyze
0
0
LABWAT
12/9/2014 9:41:41 PM
Unnecessary drivers
1
Group by
Driver description
Driver provider
Driver version
c:\windows\inf\oem3.inf
Microsoft Wireless Router Module
Microsoft
1.0.0.2
All devices
73
Group by Device class
Device class
Instance id
Audio inputs and outputs (1)
Computer (1)
Disk drives (1)
Display adapters (1)
DVD/CD-ROM drives (1)
Human Interface Devices (1)
Imaging devices (1)
LABWAT
12/9/2014 9:41:41 PM
System information
Name LABWAT
Start time 12/9/2014 9:41:41 PM
Template settings True
Duration 00:00:07.5810000
Build number 9600
Memory 2144374784
Graphics vendor
Windows version 6.3.9600
Computer class Desktop
Results C:\Users\USER\Desktop\package1\results\JobResults_LABWAT_2014-1209_2141-41.336
Job information
Name Driver Verifier
Description Standalone run of the Driver verification assessment
Version 1.0.0.0
Run notes

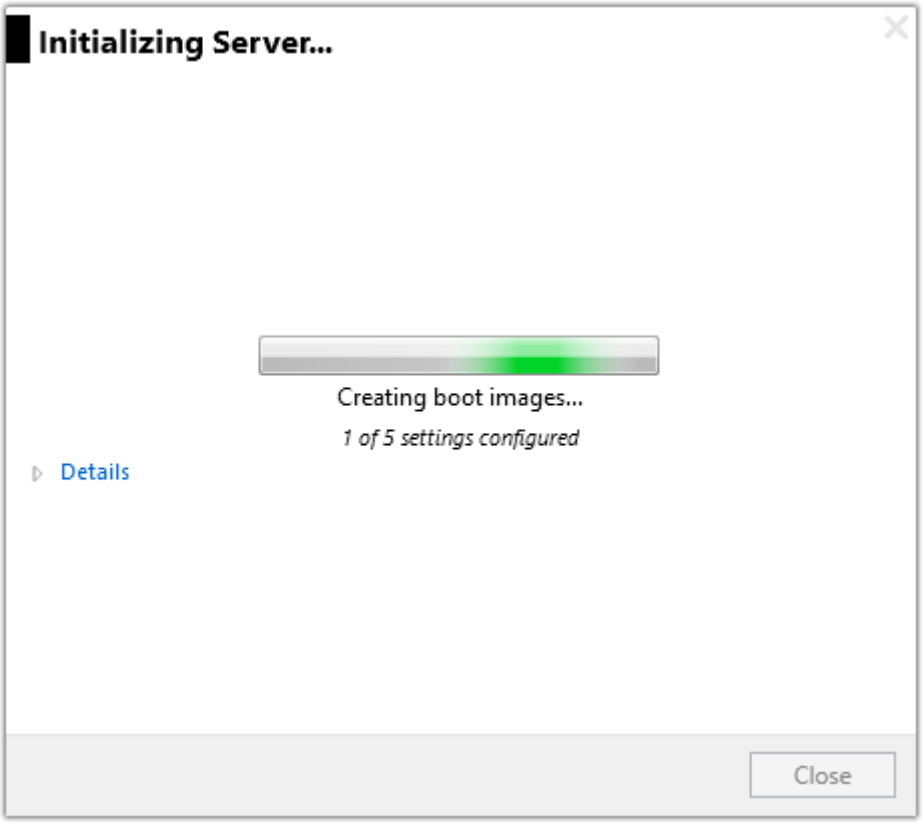

Assessment Launcher - Internet Explorer browsing performance
Important information about running this job:
Copy details
Do not interact with your computer while the assessment is running
Interacting with your computer while the assessment is running may prevent the assessment from completing successfully.
Reported by: Internet Explorer browsing performance
Start
Cancel

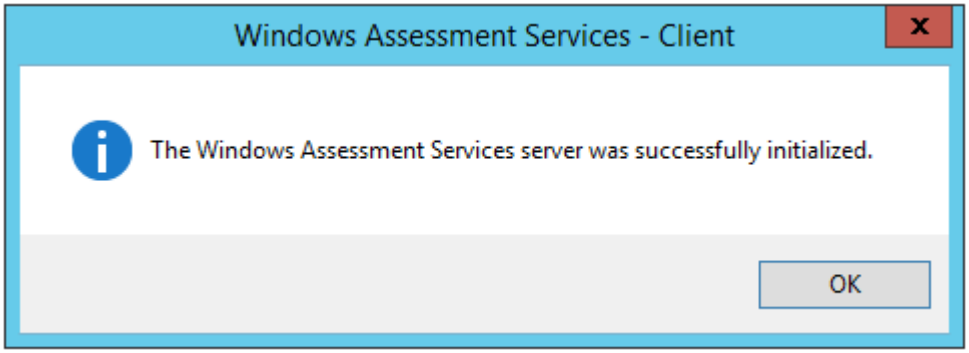

Lab WAT on HEMMINGWAY - Virtual Machine Connection
File Action Media View Help
CAN YOUR BROWSER SPEED READ?
How fast can your browser speed read?
Using undefined undefined FPS:60 Total Billboard Draws:380 Average Draw Duration:03ms Last Draw Duration:03ms Window Size:1366x641
HTML5 Speed...
C:\Users\USER\Desktop\package\Assessment1\Content\Browser Assessment\Pages\Sp
Status: Running

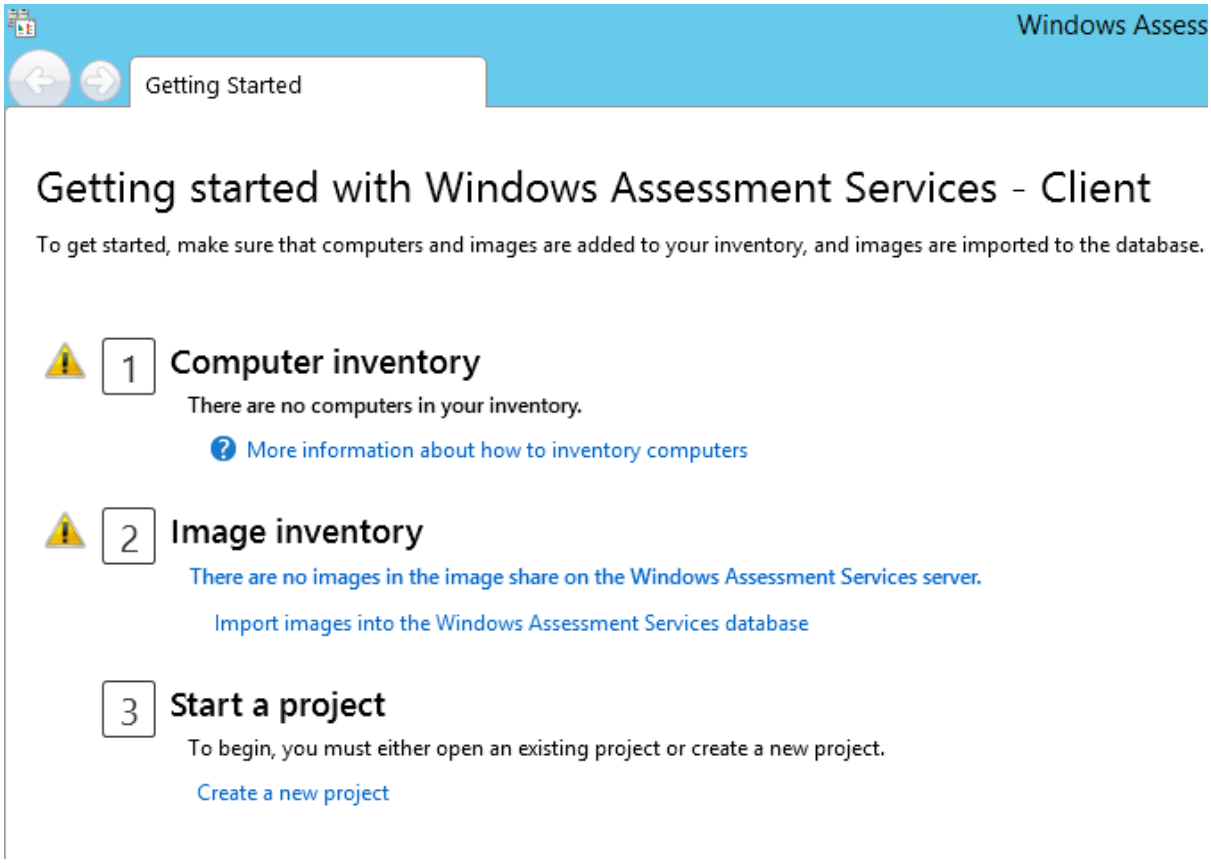

Windows Assessment Console
Home
Internet Explorer browsi...
Options
View Results
Configure job
Add results
Analyze
2930
Count
0
LABWAT
12/9/2014 10:37:10 PM
Warnings 1
Issues 6
DPC preemptions 6
Fish in Fishbowl (Count) 63
Snowflakes (Count) 2741
Speed Reading Score (Count) 10
Assessment Environment
Internet Explorer browsing performance Settings Recommended settings
Iterations 3
Page Location "Browser Assessment\Pages"
Window Size Maximized
Internet Explorer View Internet Explorer
No Tracing
Fishbowl True
Blizzard True
Speed Reading True
Fish Count Auto
Limit Workload Run Time True
Maximum Workload Run Time in Minutes 30
Version 6.3.9600.16384
Snowflakes
Value 2741
Units Count
Metric
Name Snowflakes
Description Number of snowflakes that the computer can draw.
Units Count
Assessment
Name Internet Explorer browsing performance
Description The Internet Explorer® browsing performance assessment measures the quality of the browsing experience and evaluates related hardware, such as graphics and CPU capabilities.
Copyright © 2013 Microsoft Corporation. All rights reserved.
URL http://go.microsoft.com/fwlink/?LinkID=293840
Author Microsoft Corporation
Author URL http://go.microsoft.com/fwlink/?LinkID=294051
Update URL http://go.microsoft.com/fwlink/?LinkID=294052
3:01 AM
12/10/2014

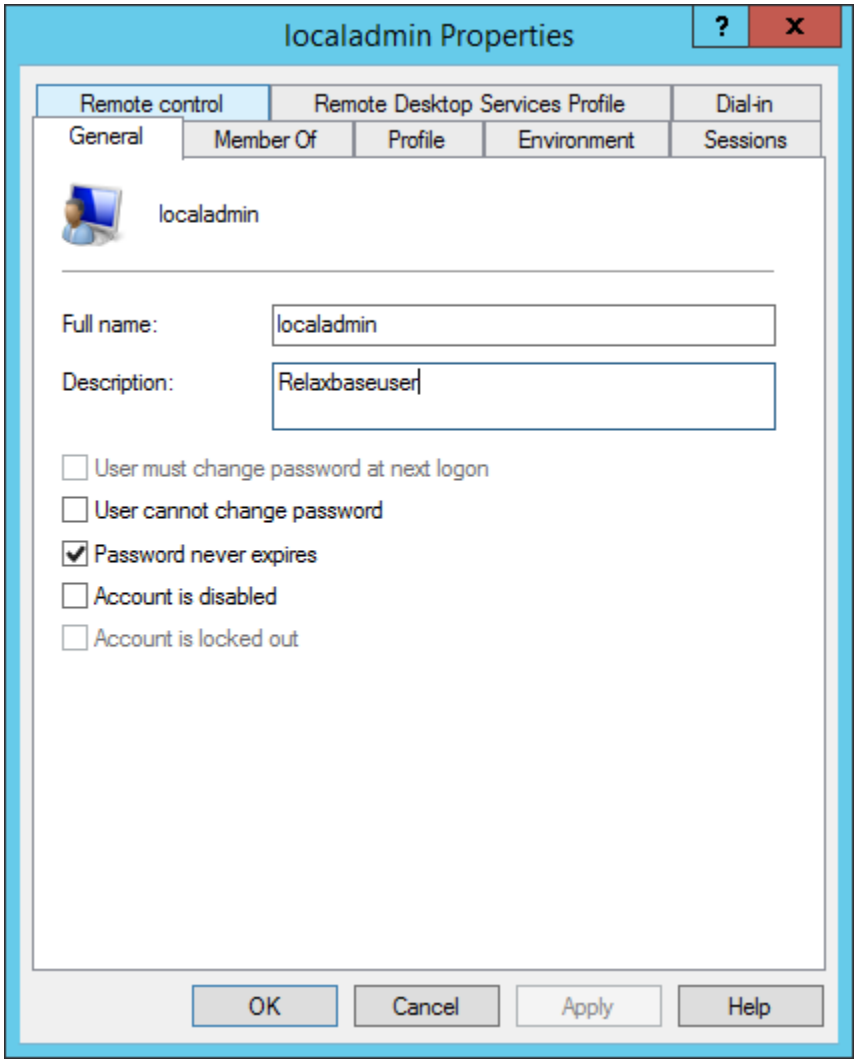

Windows Assessment and Deployment Kit for Windows 8.1
Select the features you want to install
Click a feature name for more information.
Application Compatibility Toolkit (ACT)
Deployment Tools
Windows Preinstallation Environment (Windows PE)
User State Migration Tool (USMT)
Volume Activation Management Tool (VAMT)
Windows Performance Toolkit
Windows Assessment Services
Microsoft SQL Server 2012 Express
Windows Assessment Services
Size: 2.5 GB
Tools to automate quality and performance measurements in a lab environment on multiple computers.
Includes:
Windows Assessment Services
Windows Assessment Services - Client
Assessments
Requires the following features:
Deployment Tools
Windows Preinstallation Environment (Windows PE)
Windows Performance Toolkit
Microsoft SQL Server 2012 Express
Estimated disk space required: 5.9 GB
Disk space available: 113.1 GB
Back
Install
Cancel

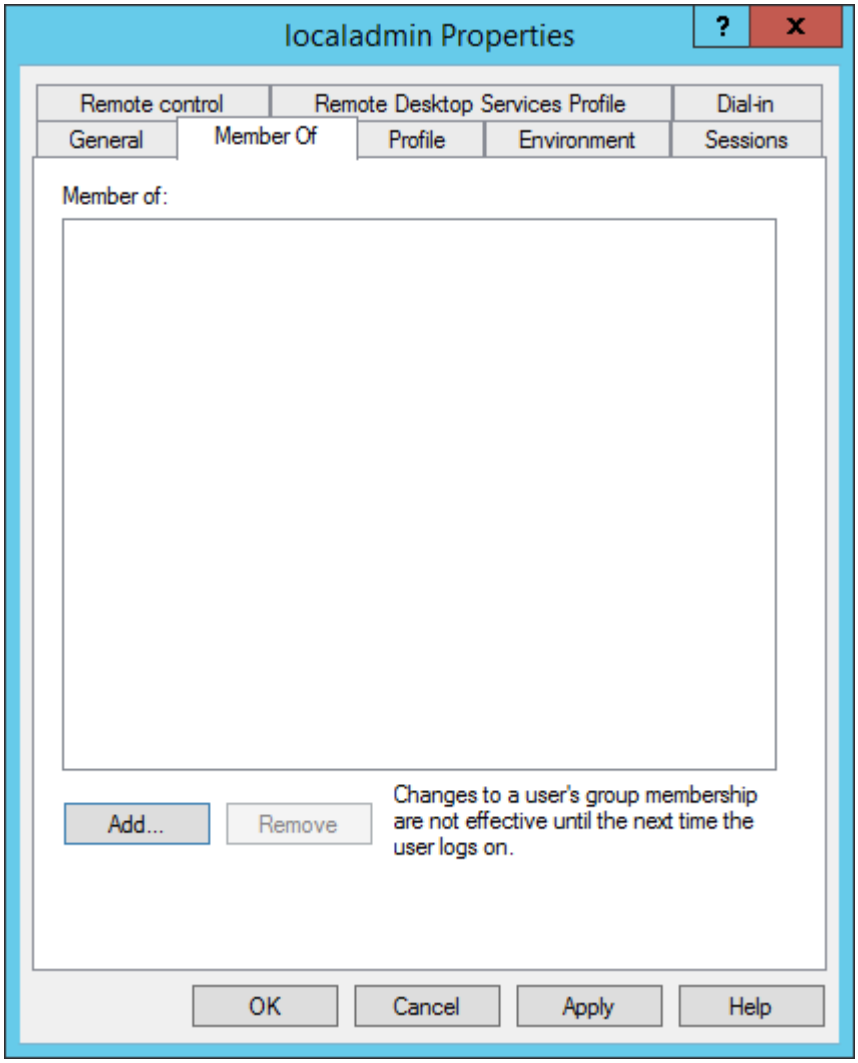

Initialize Server
The server you are connecting to is not initialized. Would you like to initialize it now?
Yes
No

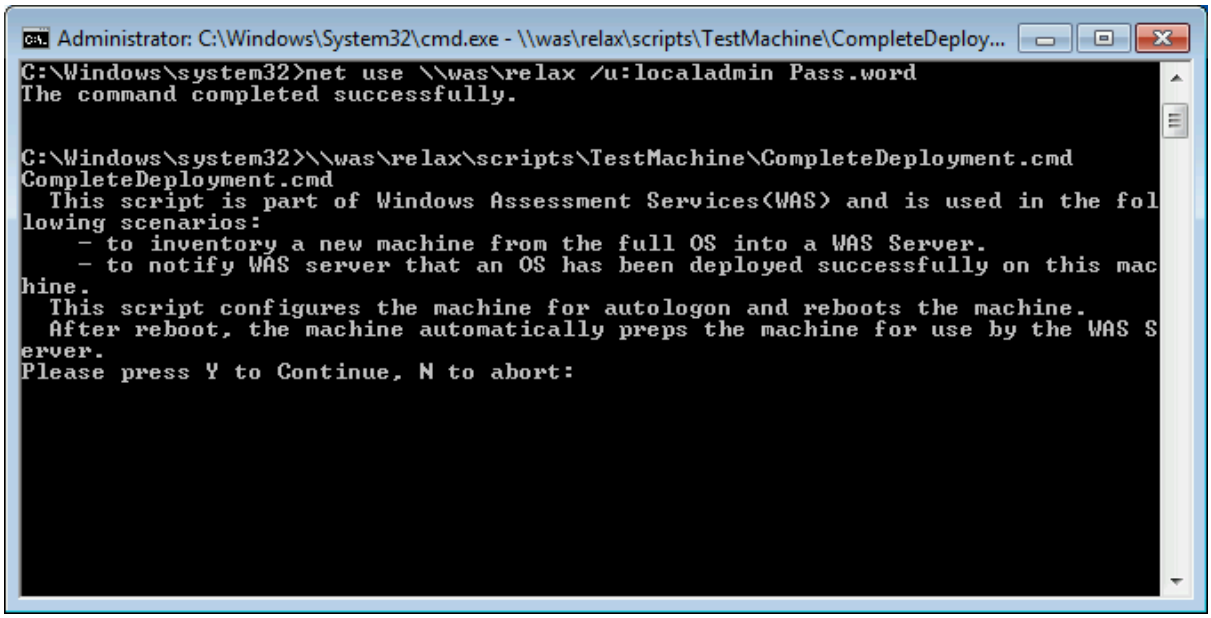

Initializing Server...
Creating boot images...
1 of 5 settings configured
Details
Close

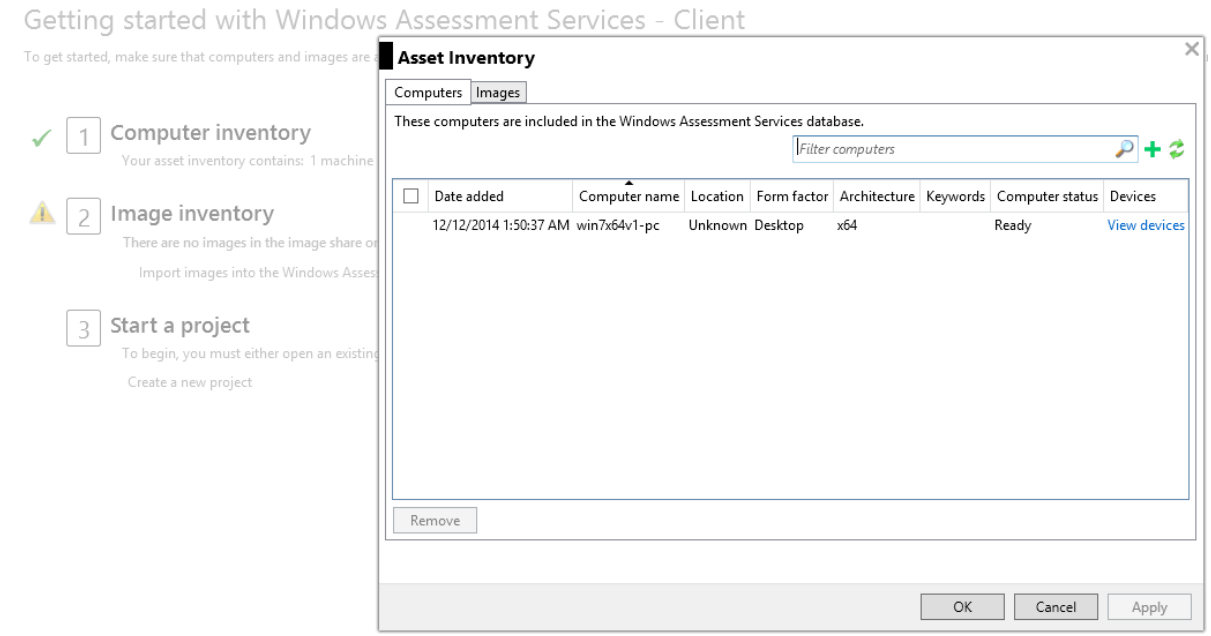

Windows Assessment Services - Client
The Windows Assessment Services server was successfully initialized.
OK


Windows Assess
Getting Started
Getting started with Windows Assessment Services - Client
To get started, make sure that computers and images are added to your inventory, and images are imported to the database.
1
Computer inventory
There are no computers in your inventory.
More information about how to inventory computers
2
Image inventory
There are no images in the image share on the Windows Assessment Services server.
Import images into the Windows Assessment Services database
3
Start a project
To begin, you must either open an existing project or create a new project.
Create a new project


localadmin Properties
Remote control
Remote Desktop Services Profile
Dial-in
General
Member Of
Profile
Environment
Sessions
localadmin
Full name:
localadmin
Description:
Relaxbaseuser
User must change password at next logon
User cannot change password
Password never expires
Account is disabled
Account is locked out
OK
Cancel
Apply
Help


localadmin Properties
Remote control
Remote Desktop Services Profile
Dial-in
General
Member Of
Profile
Environment
Sessions
Member of:
Add...
Remove
Changes to a user's group membership are not effective until the next time the user logs on.
OK
Cancel
Apply
Help


Administrator: C:\Windows\System32\cmd.exe - \\was\relax\scripts\TestMachine\CompleteDeploy...
C:\Windows\system32>net use \\was\relax /u:localadmin Pass.word
The command completed successfully.
C:\Windows\system32>\\was\relax\scripts\TestMachine\CompleteDeployment.cmd
CompleteDeployment.cmd
This script is part of Windows Assessment Services(WAS) and is used in the following scenarios:
- to inventory a new machine from the full OS into a WAS Server.
- to notify WAS server that an OS has been deployed successfully on this machine.
This script configures the machine for autologon and reboots the machine.
After reboot, the machine automatically preps the machine for use by the WAS Server.
Please press Y to Continue, N to abort:



Getting started with Windows Assessment Services - Client

To get started, make sure that computers and images are added to your inventory, and images are imported to the database.

1 Computer inventory

Your asset inventory contains: 4 machines

2 Image inventory

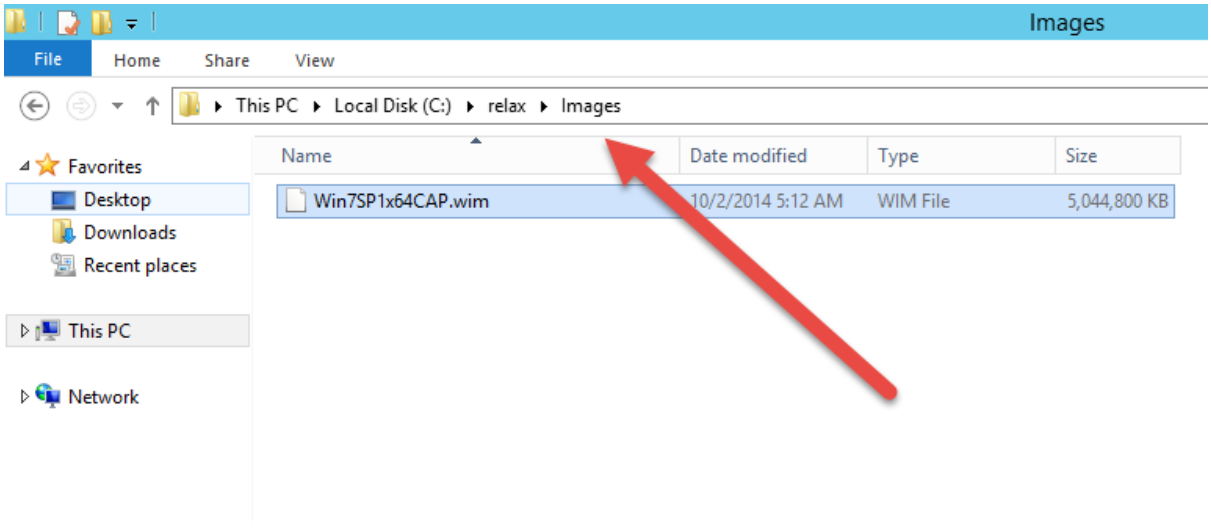
There are no images in the image share on the Windows Assessment Services server.

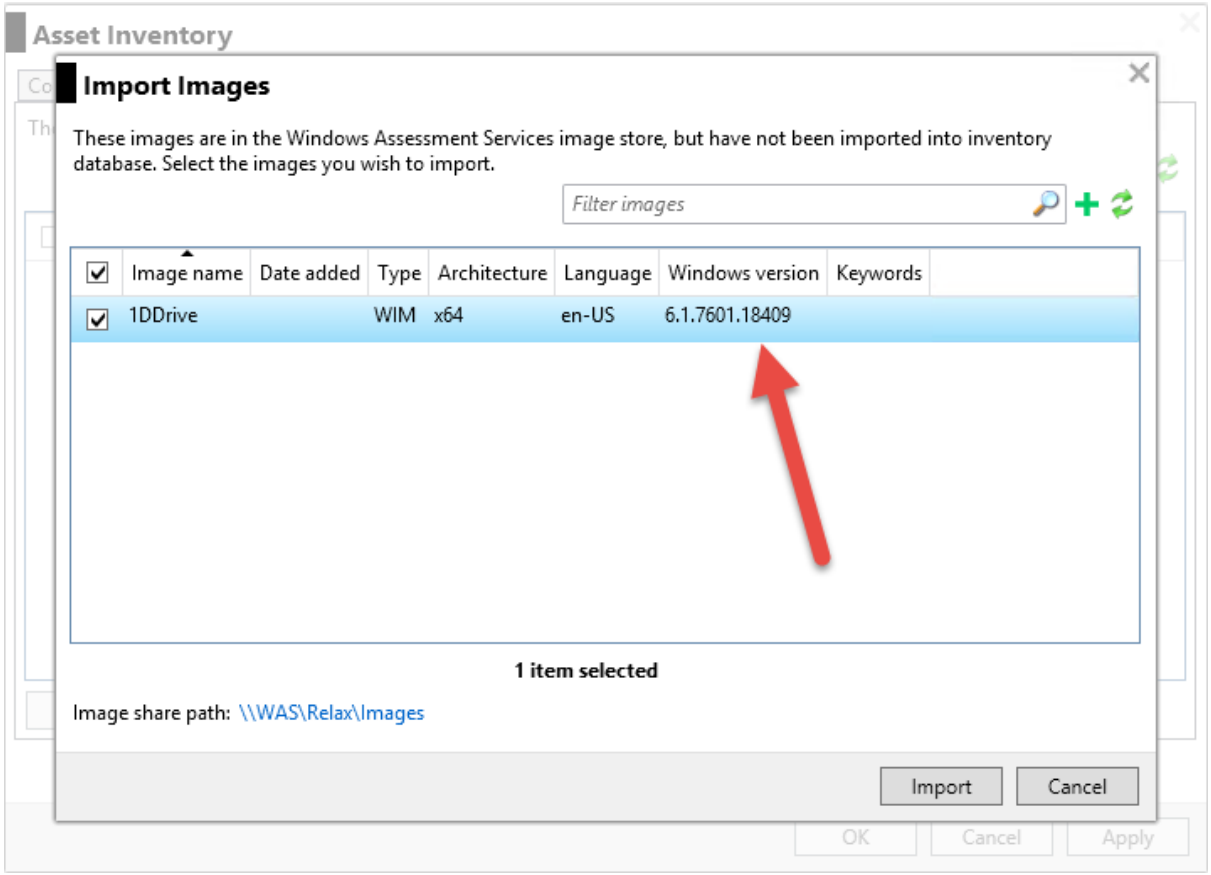
Import images into the Windows Assessment Services database

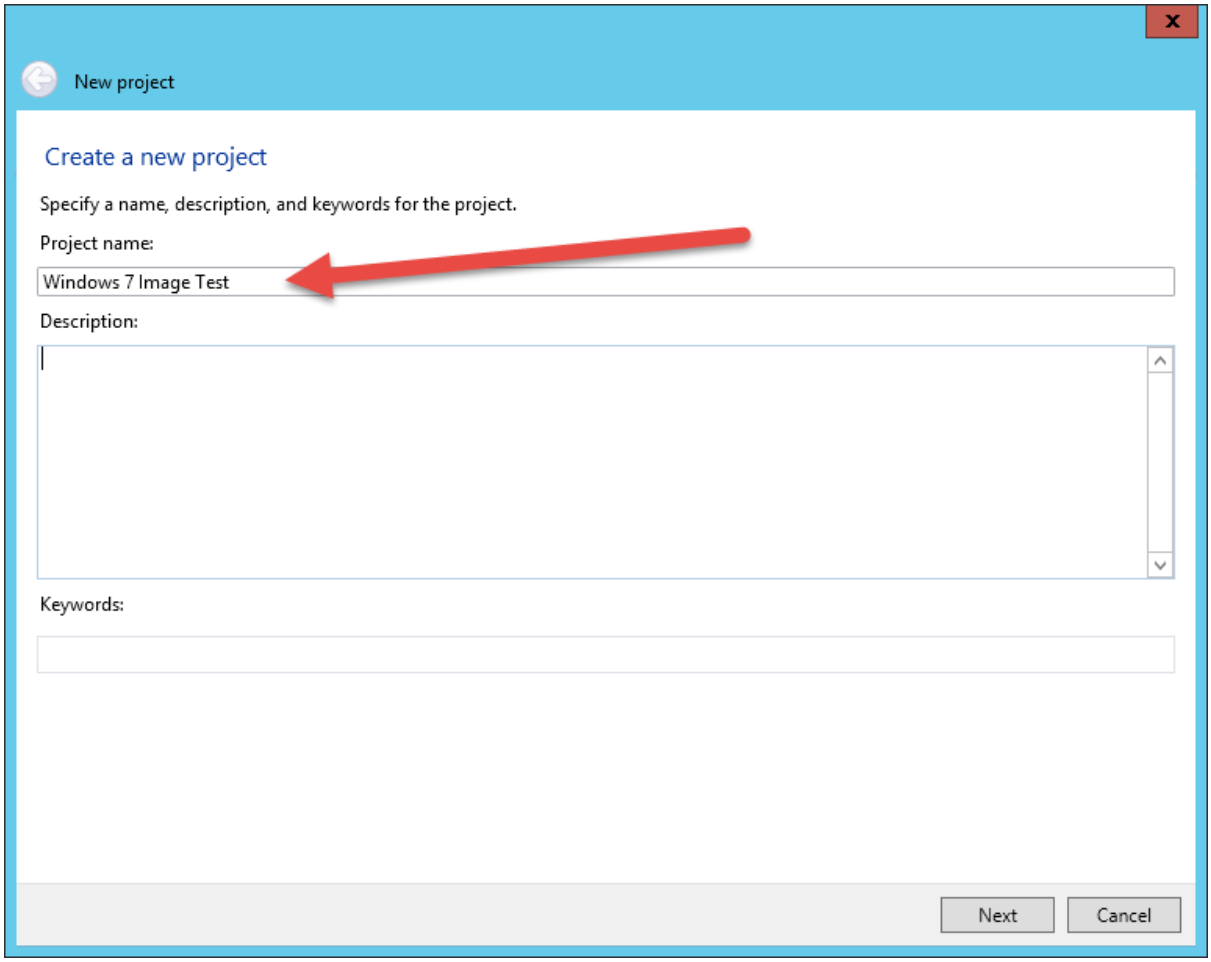
3 Start a project

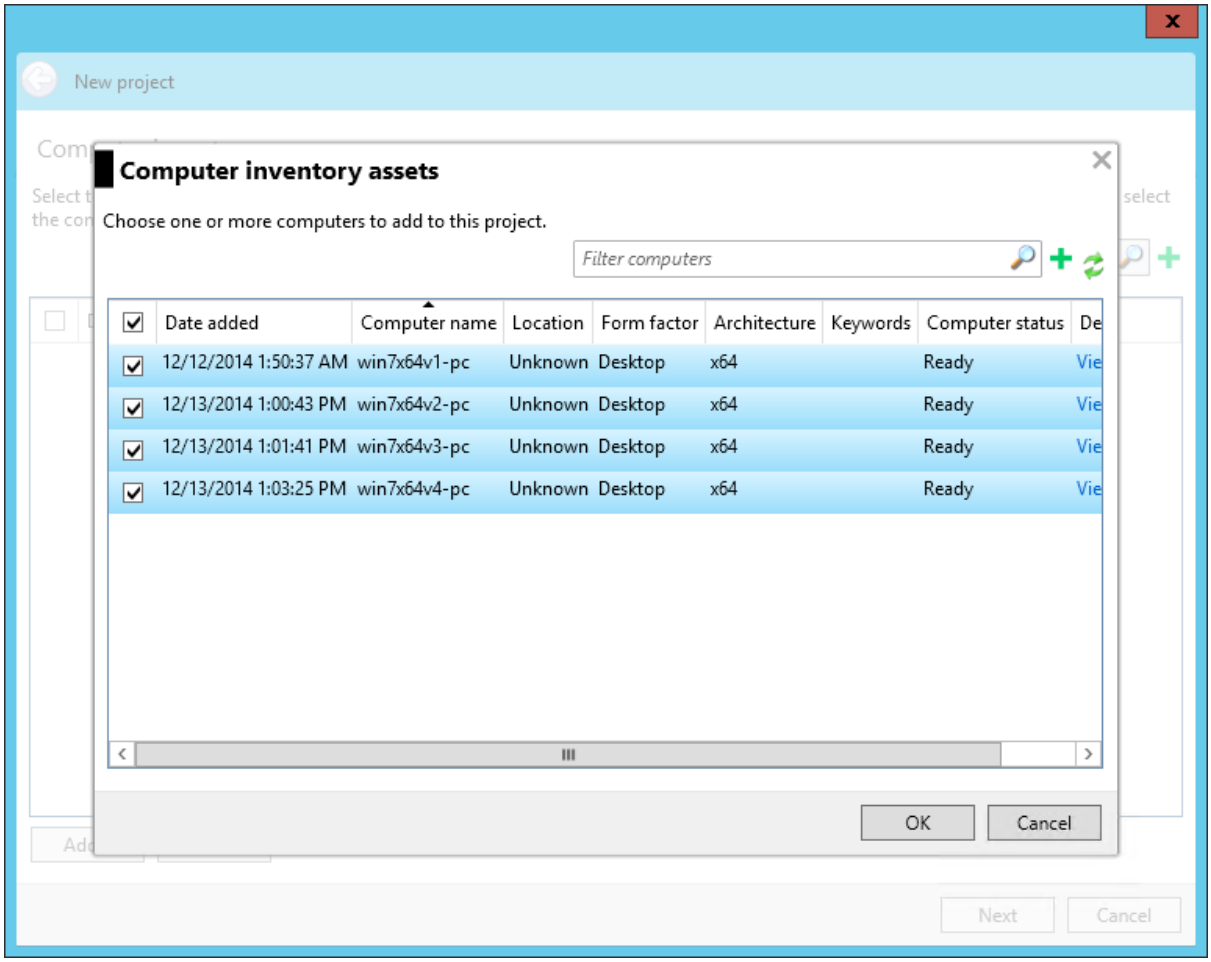
To begin, you must either open an existing project or create a new project.

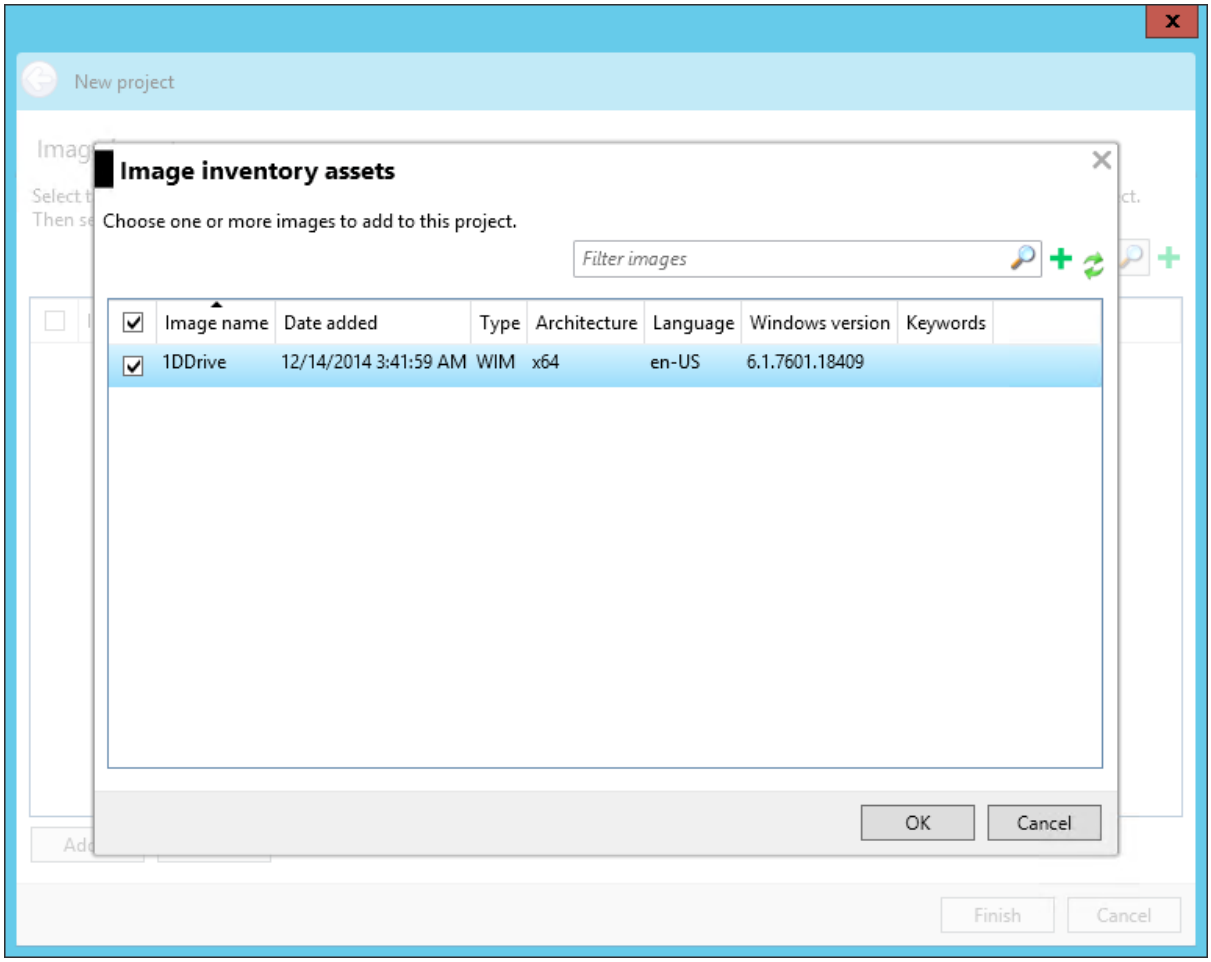
Create a new project

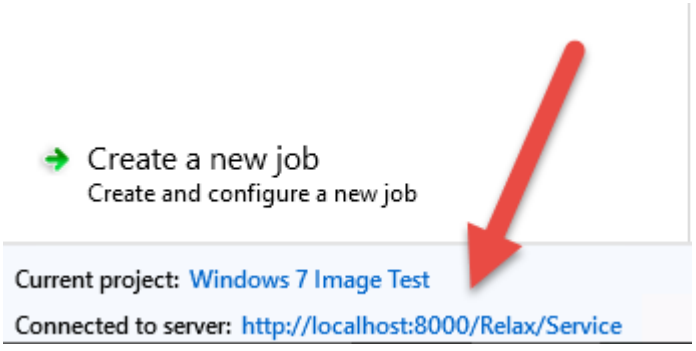

Images
File
Home
Share
View
This PC
Local Disk (C:)
relax
Images
Favorites
Desktop
Downloads
Recent places
This PC
Network
Name
Date modified
Type
Size
Win7SP1x64CAP.wim
10/2/2014 5:12 AM
WIM File
5,044,800 KB

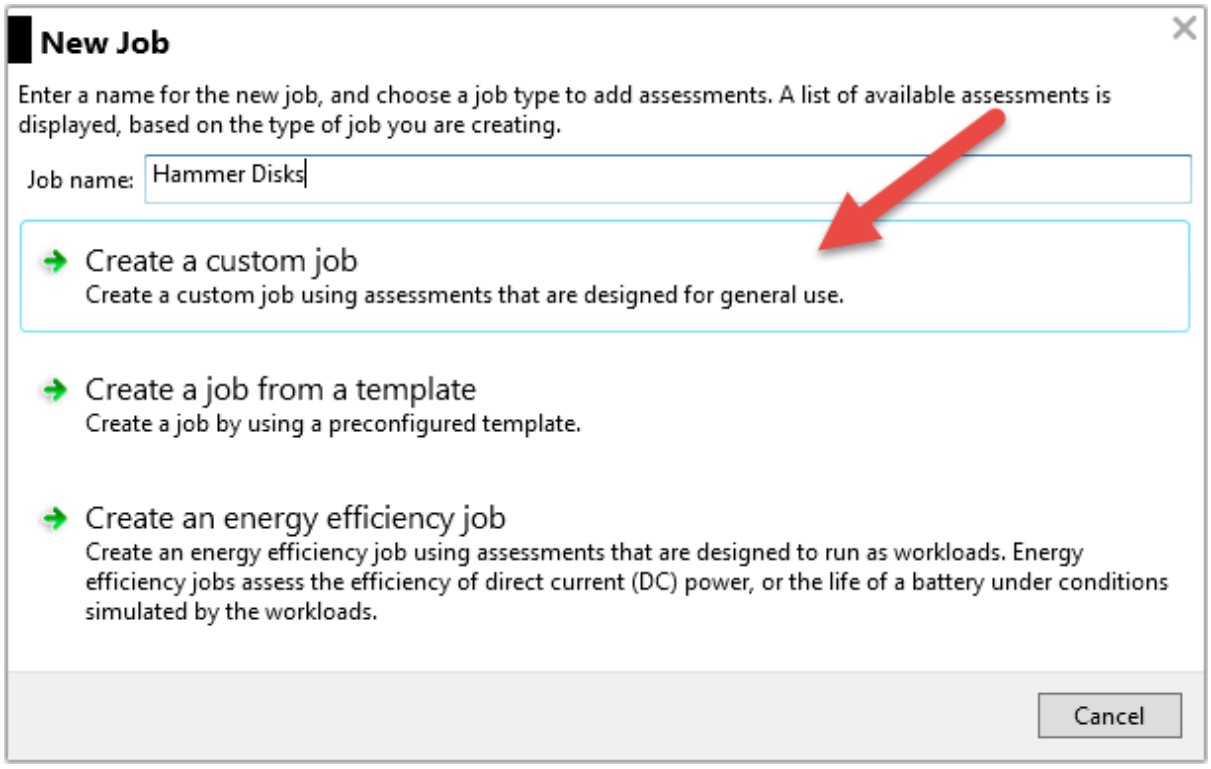

Asset Inventory
Import Images
These images are in the Windows Assessment Services image store, but have not been imported into inventory database. Select the images you wish to import.
Filter images
Image name
Date added
Type
Architecture
Language
Windows version
Keywords
1DDrive
WIM
x64
en-US
6.1.7601.18409
1 item selected
Image share path: \\WAS\Relax\Images
Import
Cancel
OK
Cancel
Apply

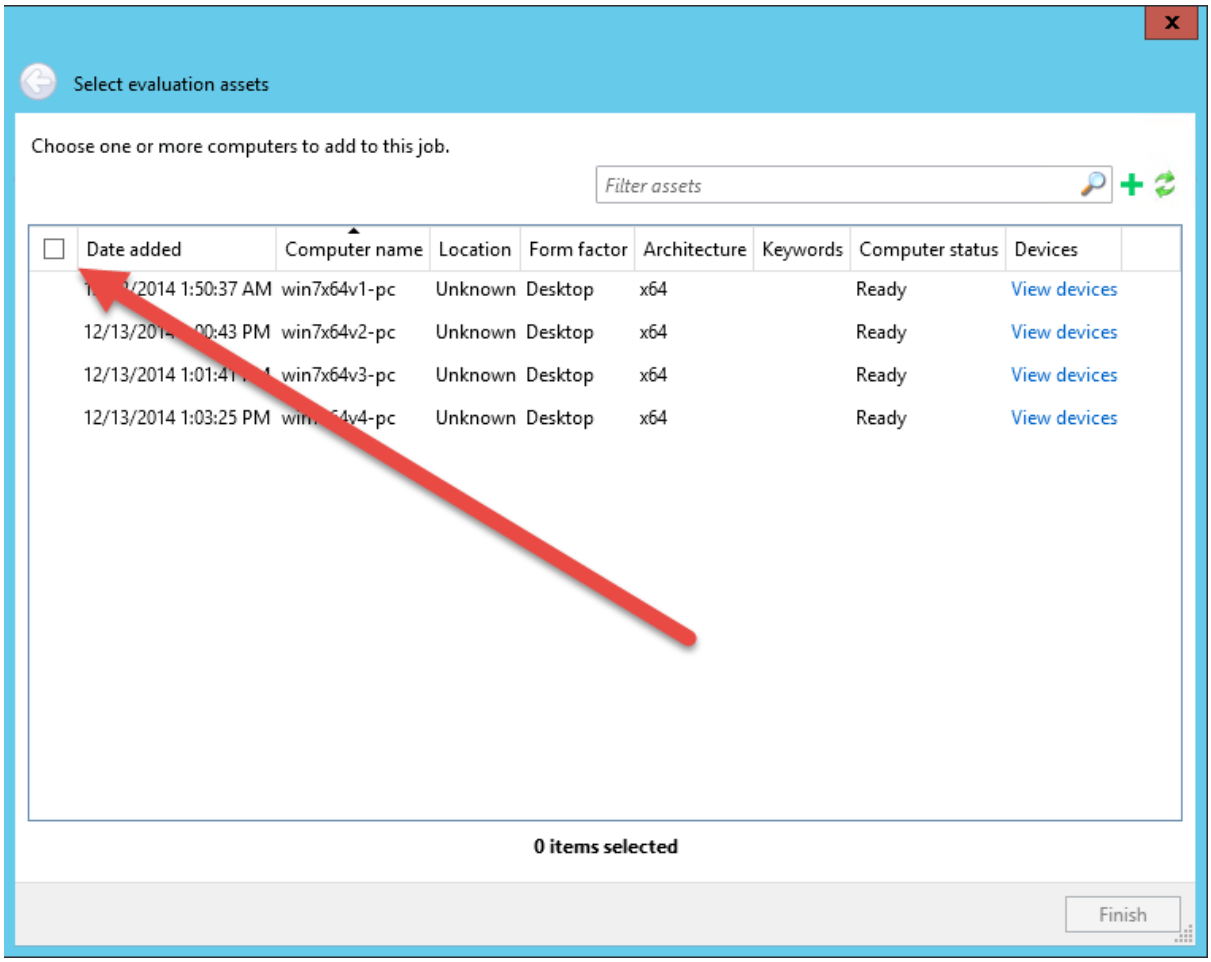

New project
Create a new project
Specify a name, description, and keywords for the project.
Project name:
Windows 7 Image Test
Description:
Keywords:
Next
Cancel

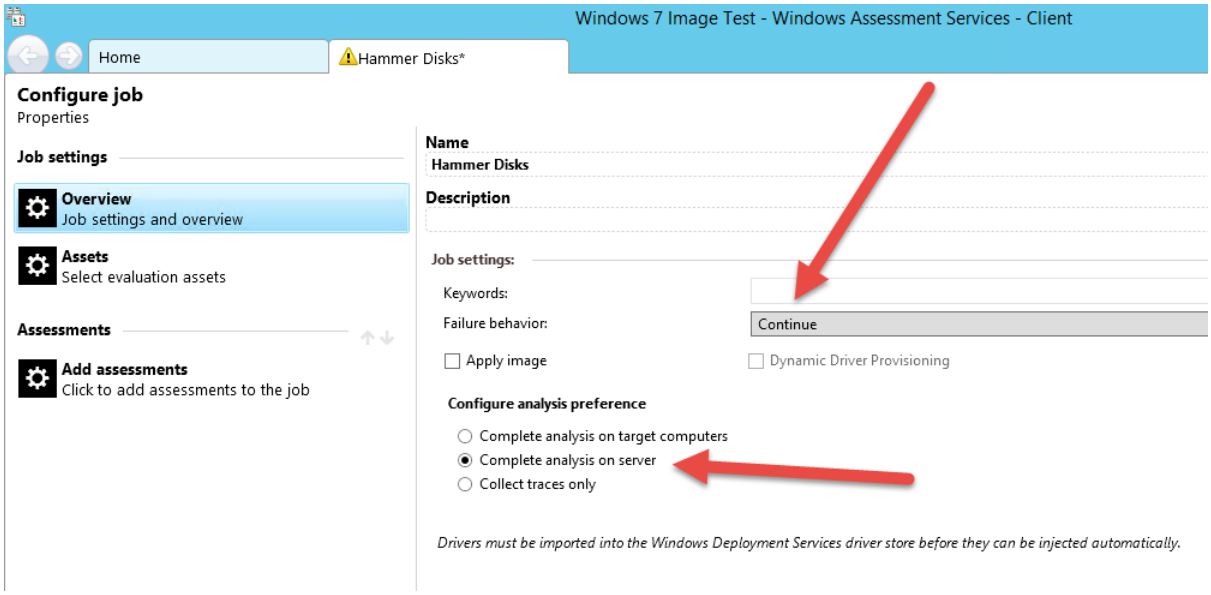

New project
Computer inventory assets
Choose one or more computers to add to this project.
Filter computers
Date added
Computer name
Location
Form factor
Architecture
Keywords
Computer status
12/12/2014 1:50:37 AM win7x64v1-pc Unknown Desktop x64 Ready
12/13/2014 1:00:43 PM win7x64v2-pc Unknown Desktop x64 Ready
12/13/2014 1:01:41 PM win7x64v3-pc Unknown Desktop x64 Ready
12/13/2014 1:03:25 PM win7x64v4-pc Unknown Desktop x64 Ready
OK
Cancel
Next
Cancel

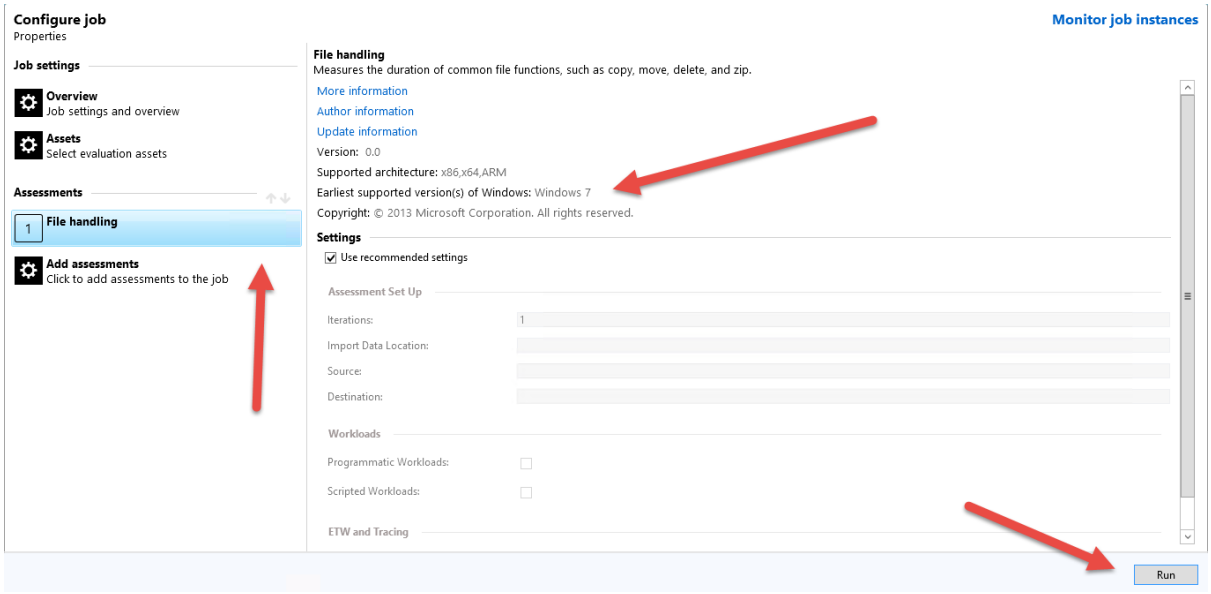

New project
Image inventory assets
Choose one or more images to add to this project.
Filter images
Image name
Date added
Type
Architecture
Language
Windows version
Keywords
1DDrive
12/14/2014 3:41:59 AM
WIM
x64
en-US
6.1.7601.18409
OK
Cancel
Finish
Cancel

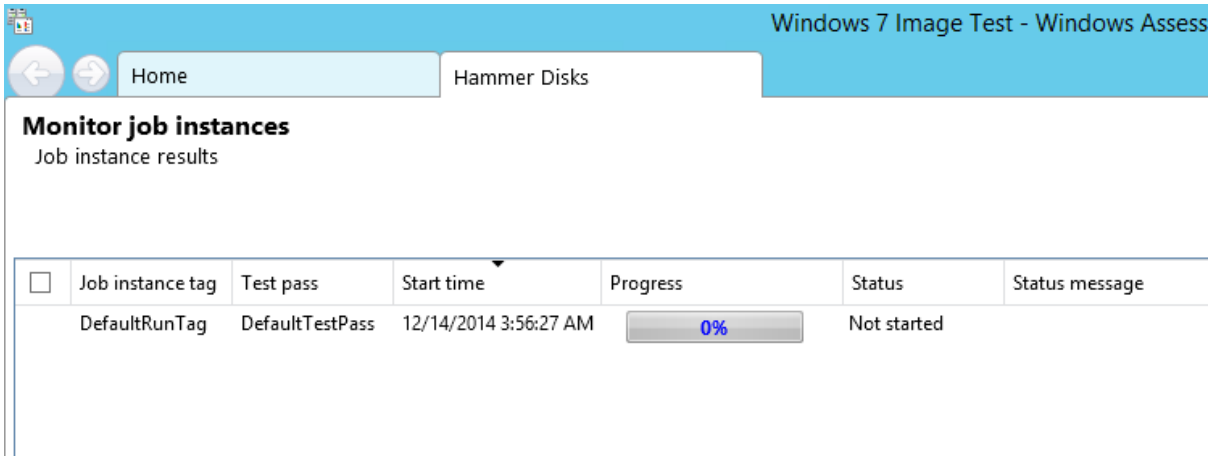

Create a new job
Create and configure a new job
Current project: Windows 7 Image Test
Connected to server: http://localhost:8000/Relax/Service


New Job
Enter a name for the new job, and choose a job type to add assessments. A list of available assessments is displayed, based on the type of job you are creating.
Job name:
Hammer Disks
Create a custom job
Create a custom job using assessments that are designed for general use.
Create a job from a template
Create a job by using a preconfigured template.
Create an energy efficiency job
Create an energy efficiency job using assessments that are designed to run as workloads. Energy efficiency jobs assess the efficiency of direct current (DC) power, or the life of a battery under conditions simulated by the workloads.
Cancel


Select evaluation assets
Choose one or more computers to add to this job.
Filter assets
Date added
Computer name
Location
Form factor
Architecture
Keywords
Computer status
Devices
12/13/2014 1:50:37 AM win7x64v1-pc Unknown Desktop x64 Ready View devices
12/13/2014 1:00:43 PM win7x64v2-pc Unknown Desktop x64 Ready View devices
12/13/2014 1:01:41 win7x64v3-pc Unknown Desktop x64 Ready View devices
12/13/2014 1:03:25 PM win7x64v4-pc Unknown Desktop x64 Ready View devices
0 items selected
Finish


Windows 7 Image Test - Windows Assessment Services - Client
Home
Hammer Disks*
Configure job
Properties
Job settings
Overview
Job settings and overview
Assets
Select evaluation assets
Assessments
Add assessments
Click to add assessments to the job
Name
Hammer Disks
Description
Job settings:
Keywords:
Failure behavior:
Continue
Apply image
Dynamic Driver Provisioning
Configure analysis preference
Complete analysis on target computers
Complete analysis on server
Collect traces only
Drivers must be imported into the Windows Deployment Services driver store before they can be injected automatically.


Configure job
Properties
Monitor job instances
Job settings
Overview
Job settings and overview
Assets
Select evaluation assets
Assessments
File handling
Add assessments
Click to add assessments to the job
File handling
Measures the duration of common file functions, such as copy, move, delete, and zip.
More information
Author information
Update information
Version: 0.0
Supported architecture: x86,x64,ARM
Earliest supported version(s) of Windows: Windows 7
Copyright: © 2013 Microsoft Corporation. All rights reserved.
Settings
Use recommended settings
Assessment Set Up
Iterations:
Import Data Location:
Source:
Destination:
Workloads
Programmatic Workloads:
Scripted Workloads:
ETW and Tracing
Run


Windows 7 Image Test - Windows Assess
Home
Hammer Disks
Monitor job instances
Job instance results
Job instance tag
Test pass
Start time
Progress
Status
Status message
DefaultRunTag
DefaultTestPass
12/14/2014 3:56:27 AM
0%
Not started

Windows 7 Image Test - Windows Assessment Services - Client

Home | Hammer Disks

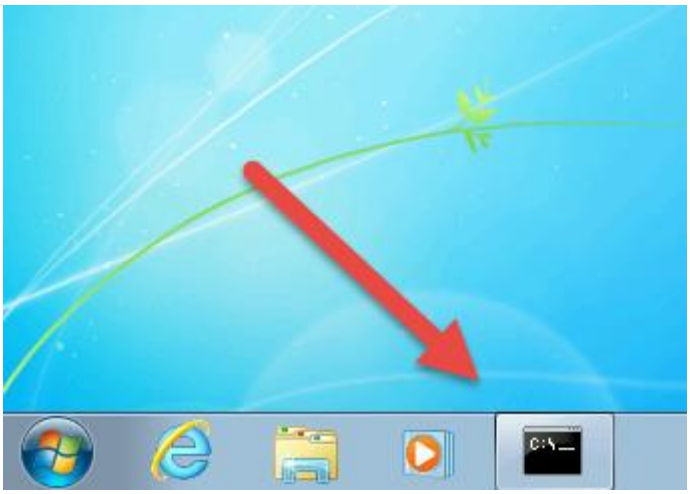
Monitor job instances

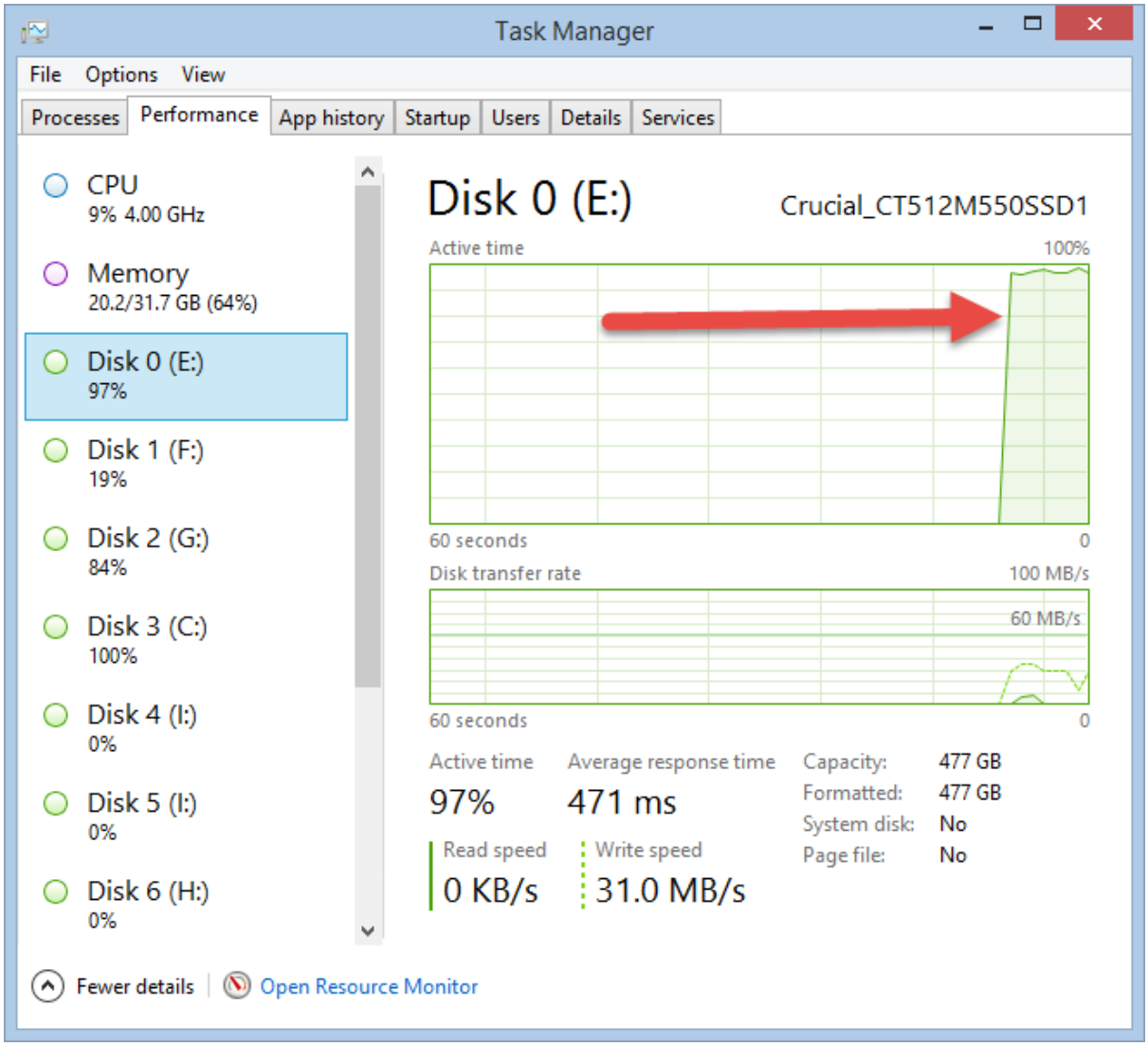
Job instance results

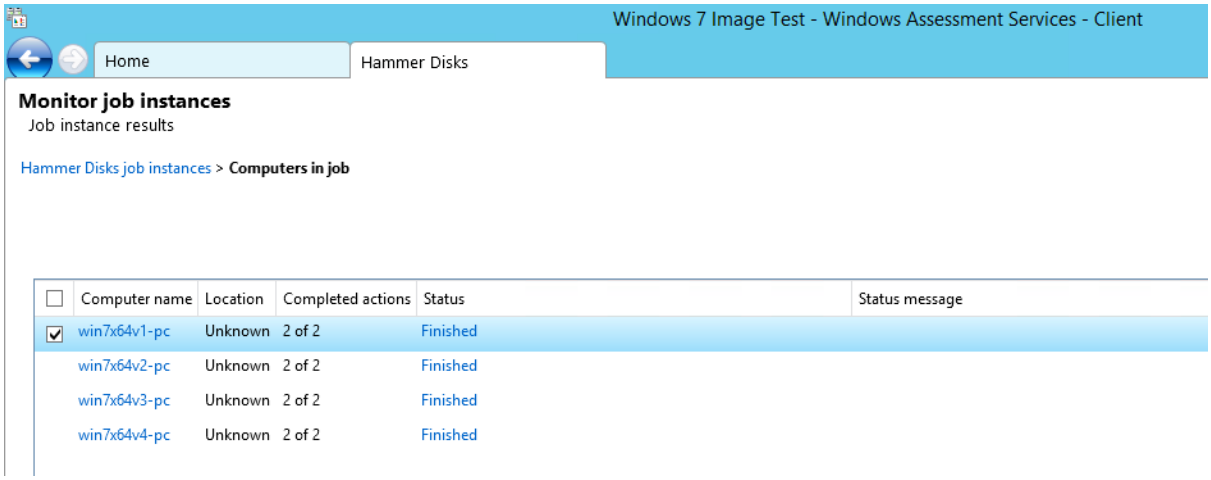
Hammer Disks job instances > **Computers in job**

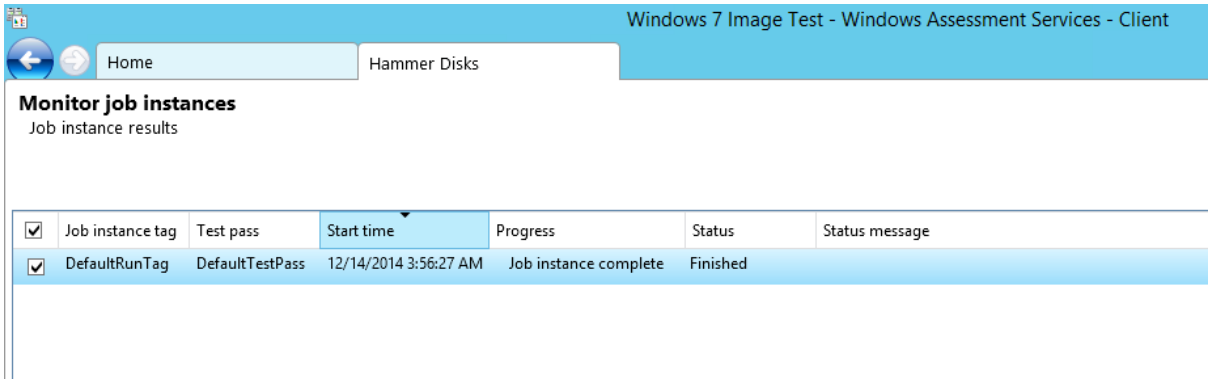
Filter computers

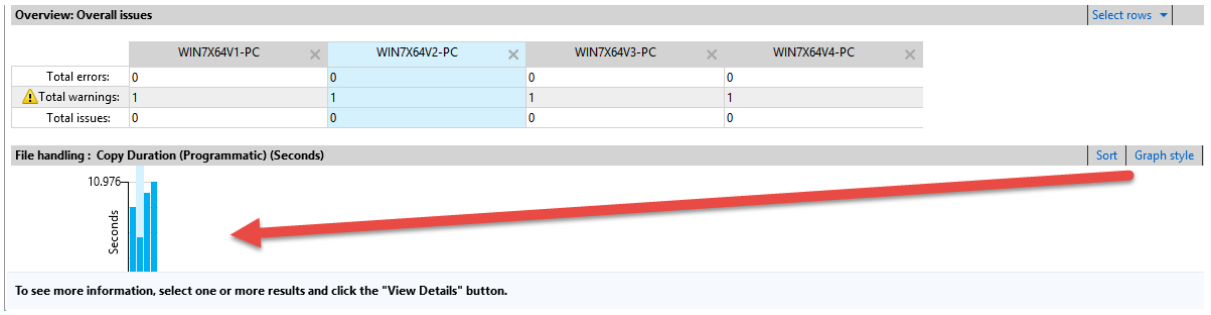
Computer name	Location	Completed actions	Status	Status message	Phase
win7x64v1-pc	Unknown	1 of 2	Running		RunAssessment
win7x64v2-pc	Unknown	1 of 2	Running		RunAssessment
win7x64v3-pc	Unknown	1 of 2	Running		RunAssessment
win7x64v4-pc	Unknown	1 of 2	Running		RunAssessment

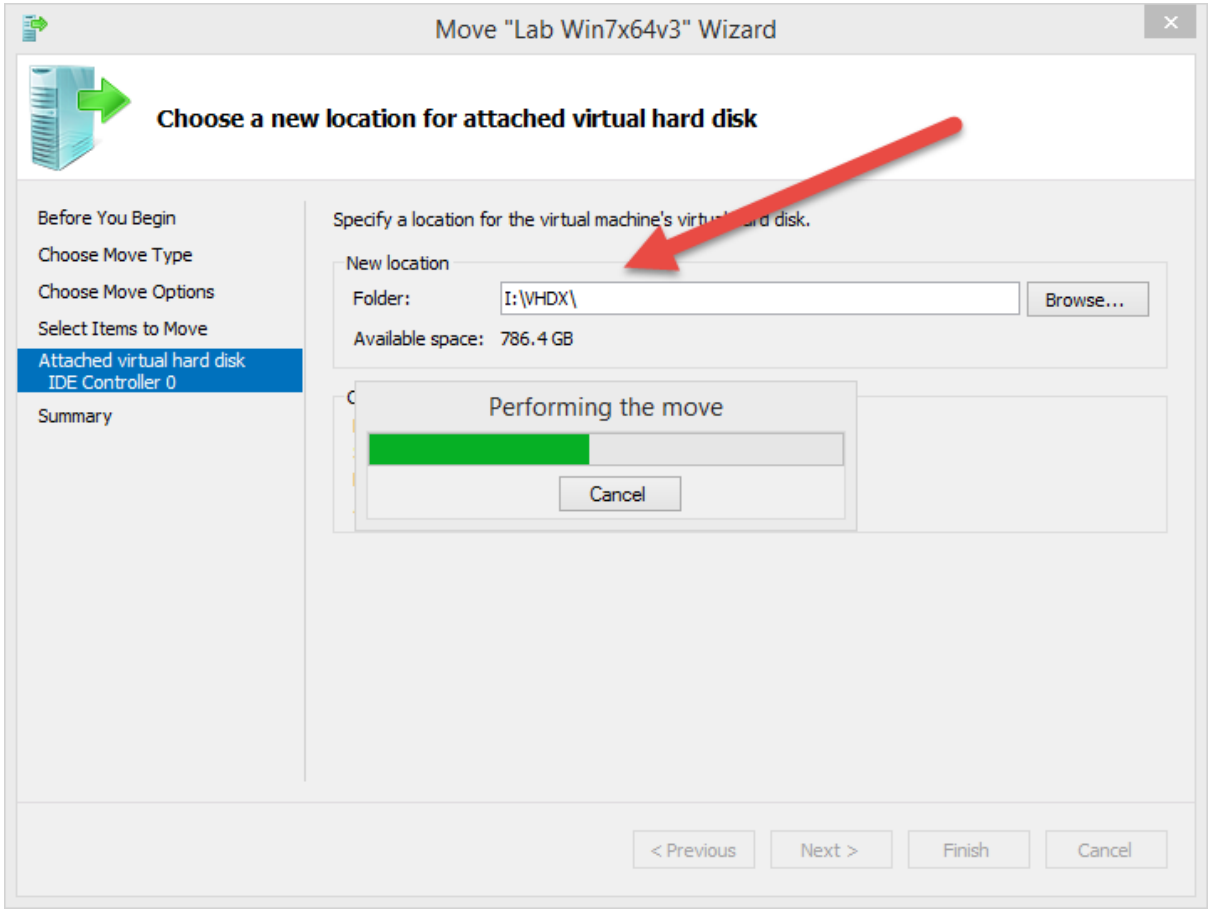


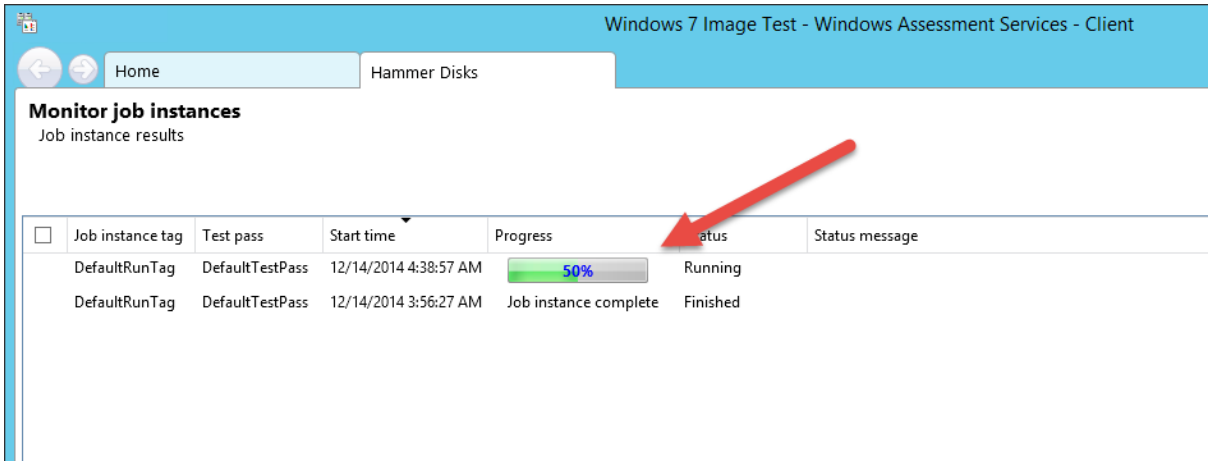

Task Manager
File Options View
Processes Performance App history Startup Users Details Services
CPU
9% 4.00 GHz
Memory
20.2/31.7 GB (64%)
Disk 0 (E:)
97%
Disk 1 (F:)
19%
Disk 2 (G:)
84%
Disk 3 (C:)
100%
Disk 4 (I:)
0%
Disk 5 (I:)
0%
Disk 6 (H:)
0%
Disk 0 (E:)
Crucial_CT512M550SSD1
Active time
100%
60 seconds
0
Disk transfer rate
100 MB/s
60 MB/s
60 seconds
0
Active time
97%
Average response time
471 ms
Read speed
0 KB/s
Write speed
31.0 MB/s
Capacity: 477 GB
Formatted: 477 GB
System disk: No
Page file: No
Fewer details
Open Resource Monitor

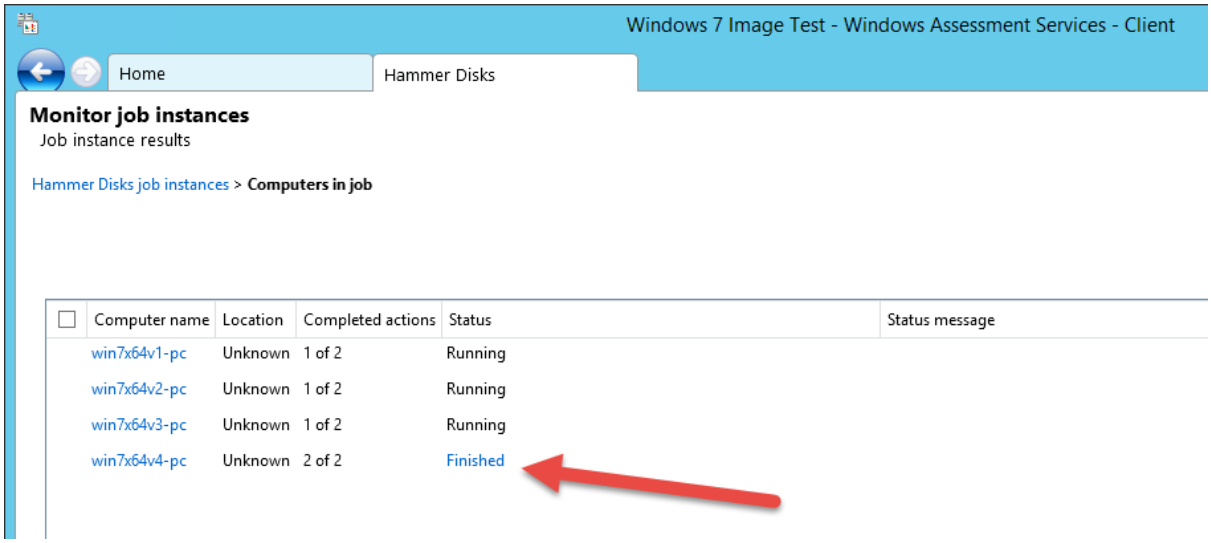

Windows 7 Image Test - Windows Assessment Services - Client
Home
Hammer Disks
Monitor job instances
Job instance results
Hammer Disks job instances > Computers in job
Computer name Location Completed actions Status Status message
win7x64v1-pc Unknown 2 of 2 Finished
win7x64v2-pc Unknown 2 of 2 Finished
win7x64v3-pc Unknown 2 of 2 Finished
win7x64v4-pc Unknown 2 of 2 Finished

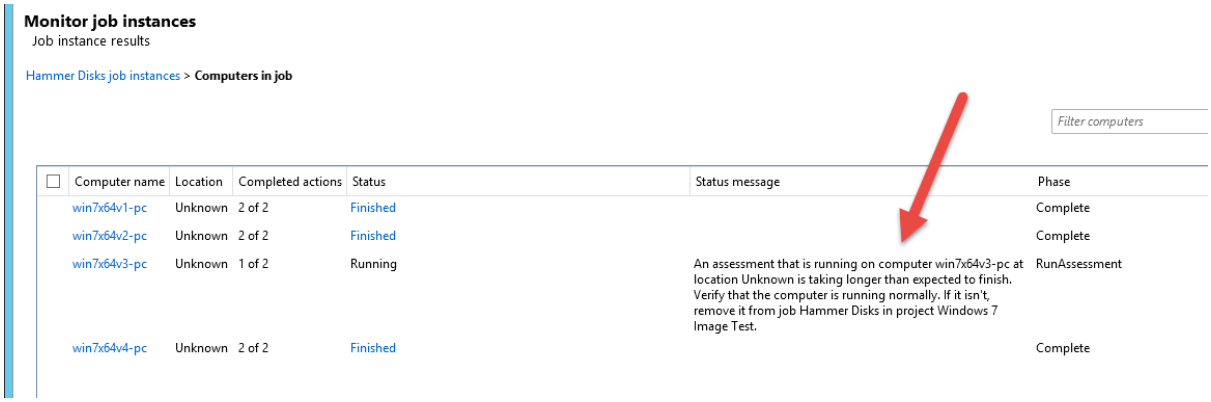

Windows 7 Image Test - Windows Assessment Services - Client
Home
Hammer Disks
Monitor job instances
Job instance results
Job instance tag
Test pass
Start time
Progress
Status
Status message
DefaultRunTag
DefaultTestPass
12/14/2014 3:56:27 AM
Job instance complete
Finished

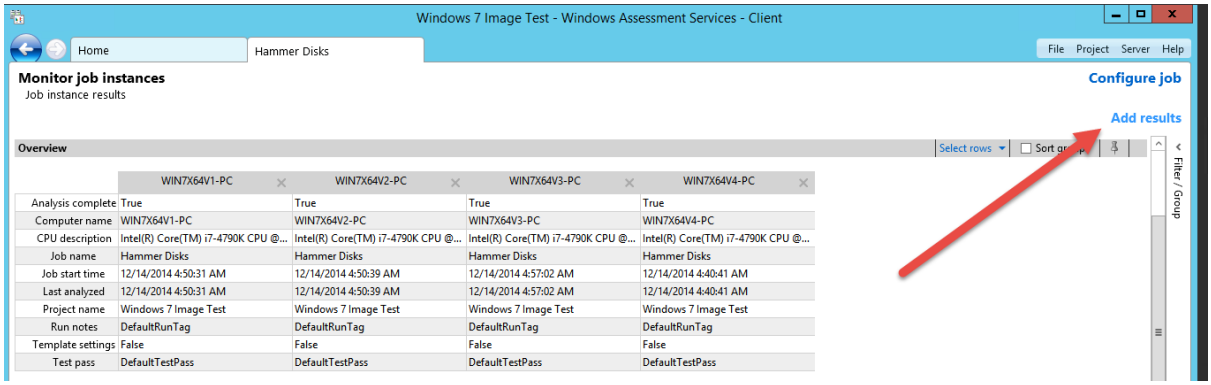

Overview: Overall issues
Select rows
WIN7X64V1-PC
WIN7X64V2-PC
WIN7X64V3-PC
WIN7X64V4-PC
Total errors:
Total warnings:
Total issues:
File handling : Copy Duration (Programmatic) (Seconds)
Sort
Graph style
10.976
Seconds
To see more information, select one or more results and click the "View Details" button.


Move "Lab Win7x64v3" Wizard
Choose a new location for attached virtual hard disk
Before You Begin
Choose Move Type
Choose Move Options
Select Items to Move
Attached virtual hard disk
IDE Controller 0
Summary
Specify a location for the virtual machine's virtual hard disk.
New location
Folder:
I:\VHDX\
Browse...
Available space:
786.4 GB
Performing the move
Cancel
< Previous
Next >
Finish
Cancel


Windows 7 Image Test - Windows Assessment Services - Client
Home
Hammer Disks
Monitor job instances
Job instance results
Job instance tag
Test pass
Start time
Progress
Status
Status message
DefaultRunTag
DefaultTestPass
12/14/2014 4:38:57 AM
50%
Running
DefaultRunTag
DefaultTestPass
12/14/2014 3:56:27 AM
Job instance complete
Finished


Windows 7 Image Test - Windows Assessment Services - Client
Home
Hammer Disks
Monitor job instances
Job instance results
Hammer Disks job instances > Computers in job
Computer name
Location
Completed actions
Status
Status message
win7x64v1-pc
Unknown
1 of 2
Running
win7x64v2-pc
Unknown
1 of 2
Running
win7x64v3-pc
Unknown
1 of 2
Running
win7x64v4-pc
Unknown
2 of 2
Finished

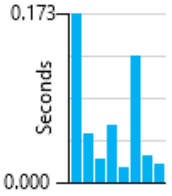

Monitor job instances
Job instance results
Hammer Disks job instances > Computers in job
Filter computers
Computer name
Location
Completed actions
Status
Status message
Phase
win7x64v1-pc
Unknown
2 of 2
Finished
Complete
win7x64v2-pc
Unknown
2 of 2
Finished
Complete
win7x64v3-pc
Unknown
1 of 2
Running
An assessment that is running on computer win7x64v3-pc at location Unknown is taking longer than expected to finish. Verify that the computer is running normally. If it isn't, remove it from job Hammer Disks in project Windows 7 Image Test.
RunAssessment
win7x64v4-pc
Unknown
2 of 2
Finished
Complete


Windows 7 Image Test - Windows Assessment Services - Client
Home
Hammer Disks
File
Project
Server
Help
Monitor job instances
Job instance results
Configure job
Add results
Overview
Select rows
Filter / Group
WIN7X64V1-PC
WIN7X64V2-PC
WIN7X64V3-PC
WIN7X64V4-PC
Analysis complete
True
True
True
True
Computer name
WIN7X64V1-PC
WIN7X64V2-PC
WIN7X64V3-PC
WIN7X64V4-PC
CPU description
Intel(R) Core(TM) i7-4790K CPU @...
Intel(R) Core(TM) i7-4790K CPU @...
Intel(R) Core(TM) i7-4790K CPU @...
Intel(R) Core(TM) i7-4790K CPU @...
Job name
Hammer Disks
Hammer Disks
Hammer Disks
Hammer Disks
Job start time
12/14/2014 4:50:31 AM
12/14/2014 4:50:39 AM
12/14/2014 4:57:02 AM
12/14/2014 4:40:41 AM
Last analyzed
12/14/2014 4:50:31 AM
12/14/2014 4:50:39 AM
12/14/2014 4:57:02 AM
12/14/2014 4:40:41 AM
Project name
Windows 7 Image Test
Windows 7 Image Test
Windows 7 Image Test
Windows 7 Image Test
Run notes
DefaultRunTag
DefaultRunTag
DefaultRunTag
DefaultRunTag
Template settings
False
False
False
False
Test pass
DefaultTestPass
DefaultTestPass
DefaultTestPass
DefaultTestPass

Overview

	WIN7X64V1-PC	WIN7X64V2-PC	WIN7X64V3-PC
Analysis complete	True	True	True
Computer name	WIN7X64V1-PC	WIN7X64V2-PC	WIN7X64V3-PC
CPU description	Intel(R) Core(TM) i7-4790K CPU @...	Intel(R) Core(TM) i7-4790K CPU @...	Intel(R) Core(TM) i7-4790K CPU @...
Job name	Hammer Disks	Hammer Disks	Hammer Disks
Job start time	12/14/2014 4:50:31 AM	12/14/2014 4:50:39 AM	12/14/2014 4:57:02 AM
Last analyzed	12/14/2014 4:50:31 AM	12/14/2014 4:50:39 AM	12/14/2014 4:57:02 AM
Project name	Windows 7 Image Test	Windows 7 Image Test	Windows 7 Image Test
Run notes	DefaultRunTag	DefaultRunTag	DefaultRunTag
Template settings	False	False	False
Test pass	DefaultTestPass	DefaultTestPass	DefaultTestPass

File handling : Delete Duration (Programmatic) (Seconds)



Add

Configure job
Properties

Monitor job instances

Job settings

Overview
Job settings and overview

Assets
Select evaluation assets

Assessments

Add assessments
Click to add assessments to the job

Add assessments
Click to add assessments to the job

Filter assessments

Measures overall system memory usage, focusing on driver allocations and dynamic allocations.

Minifilter diagnostic: Boot performance (Fast Startup)
Identifies performance issues with minifilter drivers during system boot.

Minifilter diagnostic: File handling
Identifies performance issues with minifilter drivers while performing common file functions, such as copy, move, delete, and zip.

Minifilter diagnostic: Internet Explorer
Identifies performance issues with minifilter drivers during Internet Explorer launch.

Photo handling
Measures the time it takes to complete common user tasks, such as viewing, searching and manipulating a set of photos.

Standby performance
Measures time to standby/resume and identifies components that might cause delays.

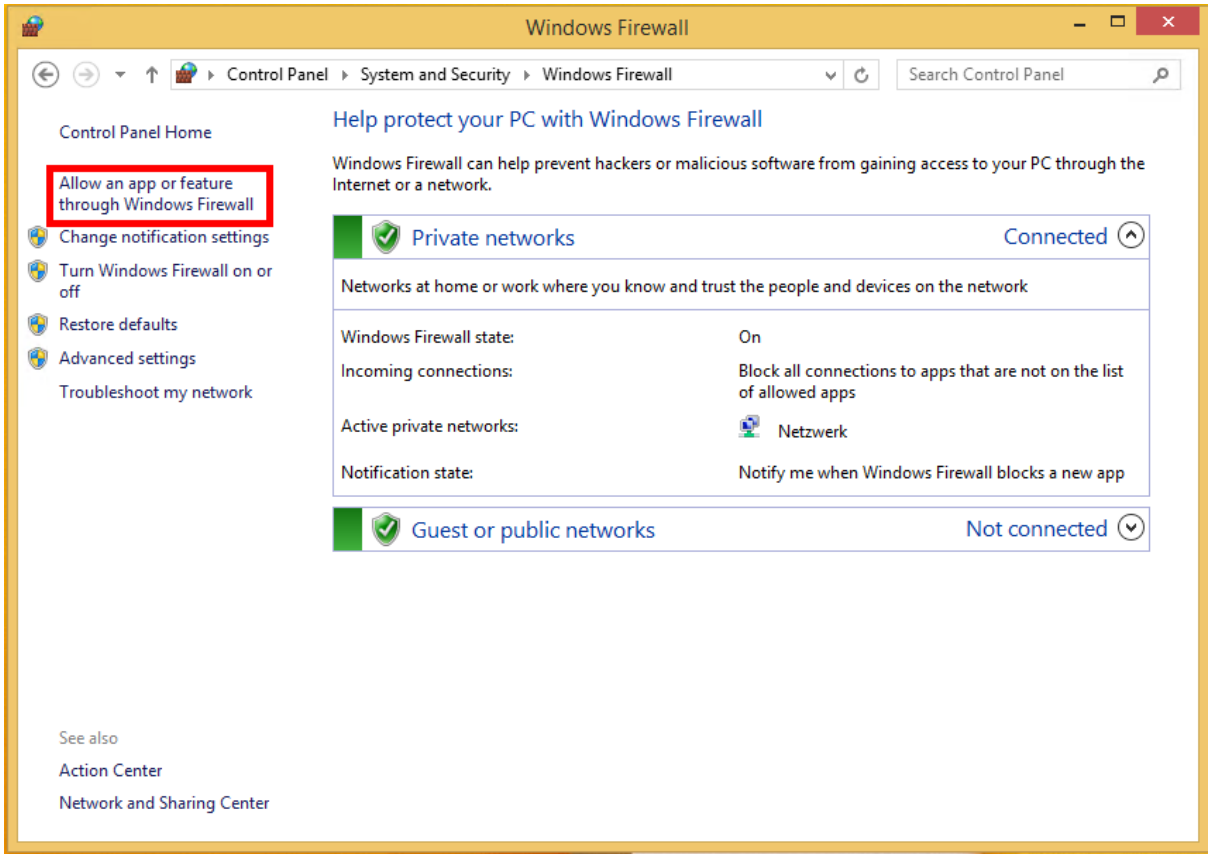
Streaming media performance
This assessment measures streaming media quality on Internet Explorer.

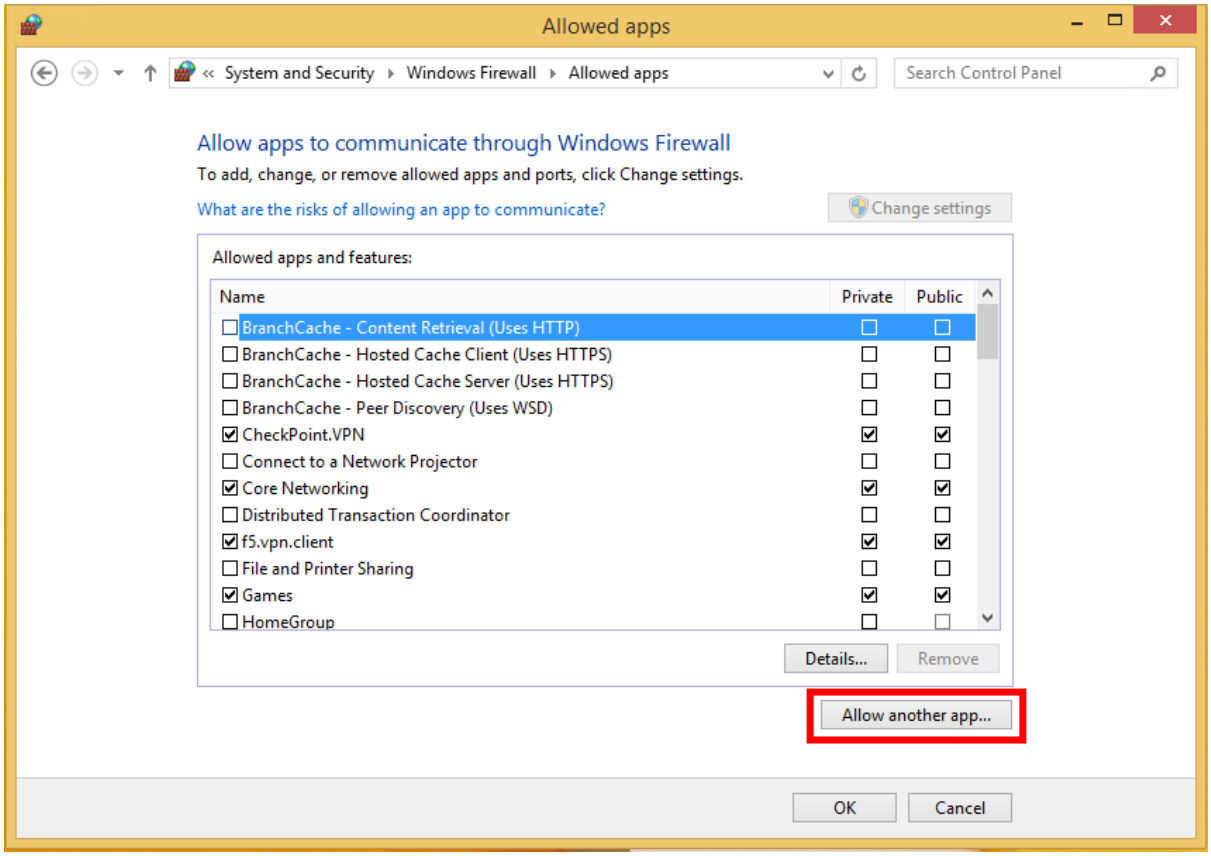
Windows Media Player performance and quality
Evaluates the quality of audio and video playback using multiple formats and resolutions.

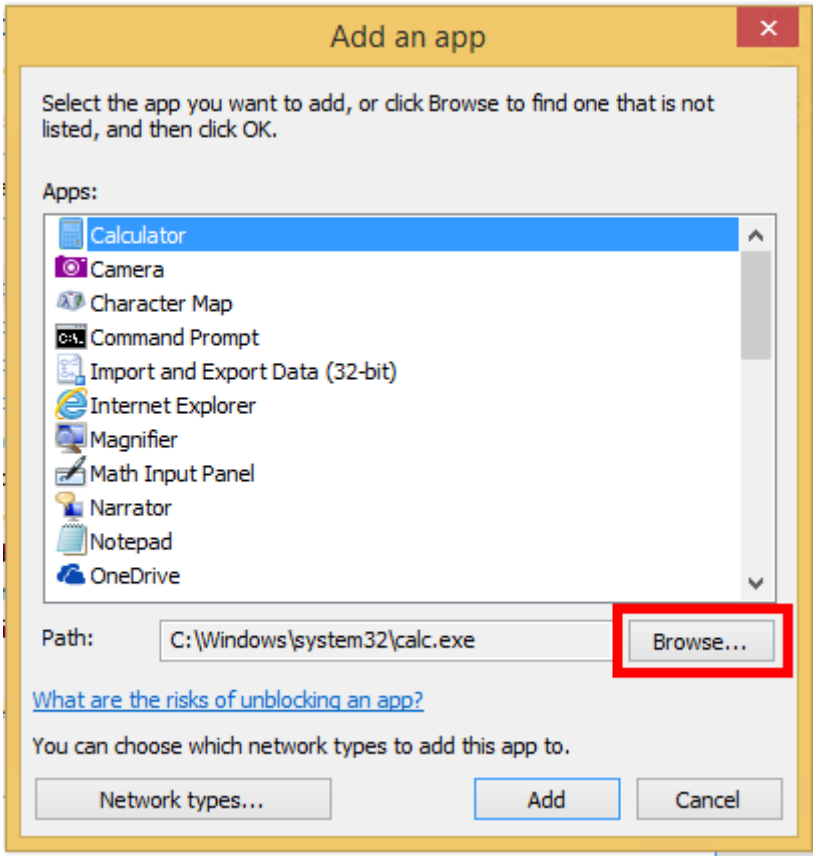
Windows Store apps performance
Measures the launch time, suspend time and resource utilization of Windows Store apps.

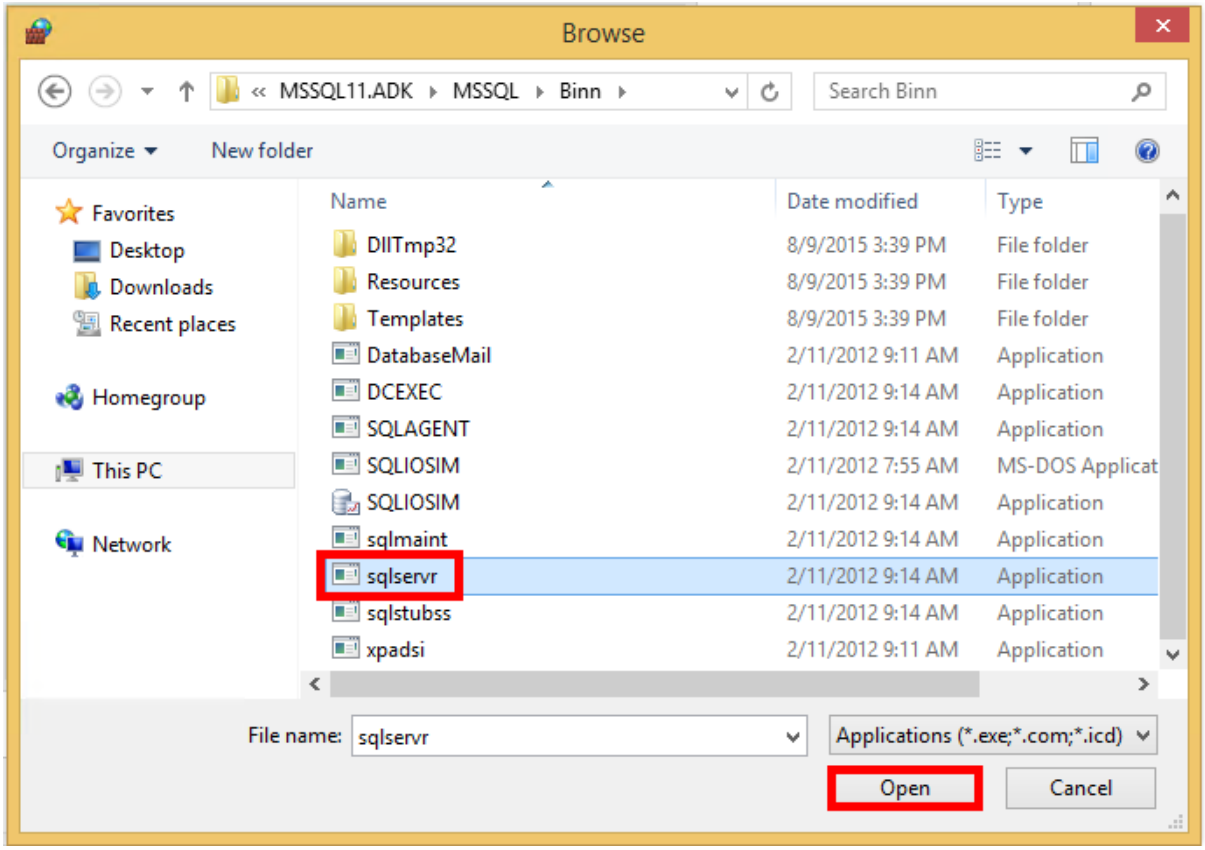
Windows UI performance
Helps you understand the performance of the new Windows UI.

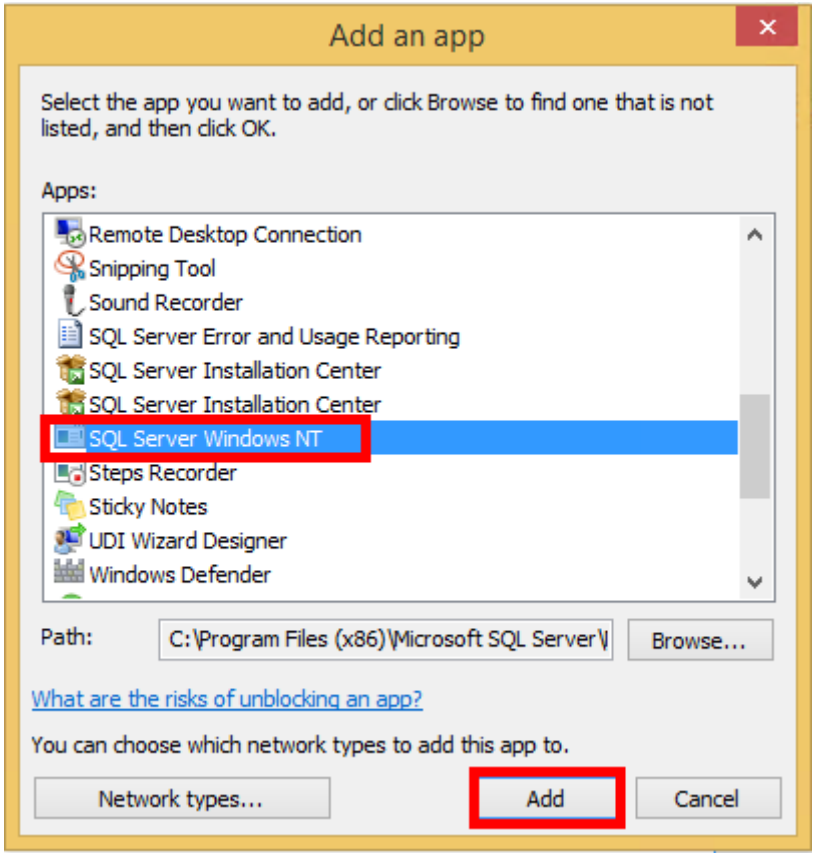
Chapter 11: Database, UserExit Scripts, and Web Services

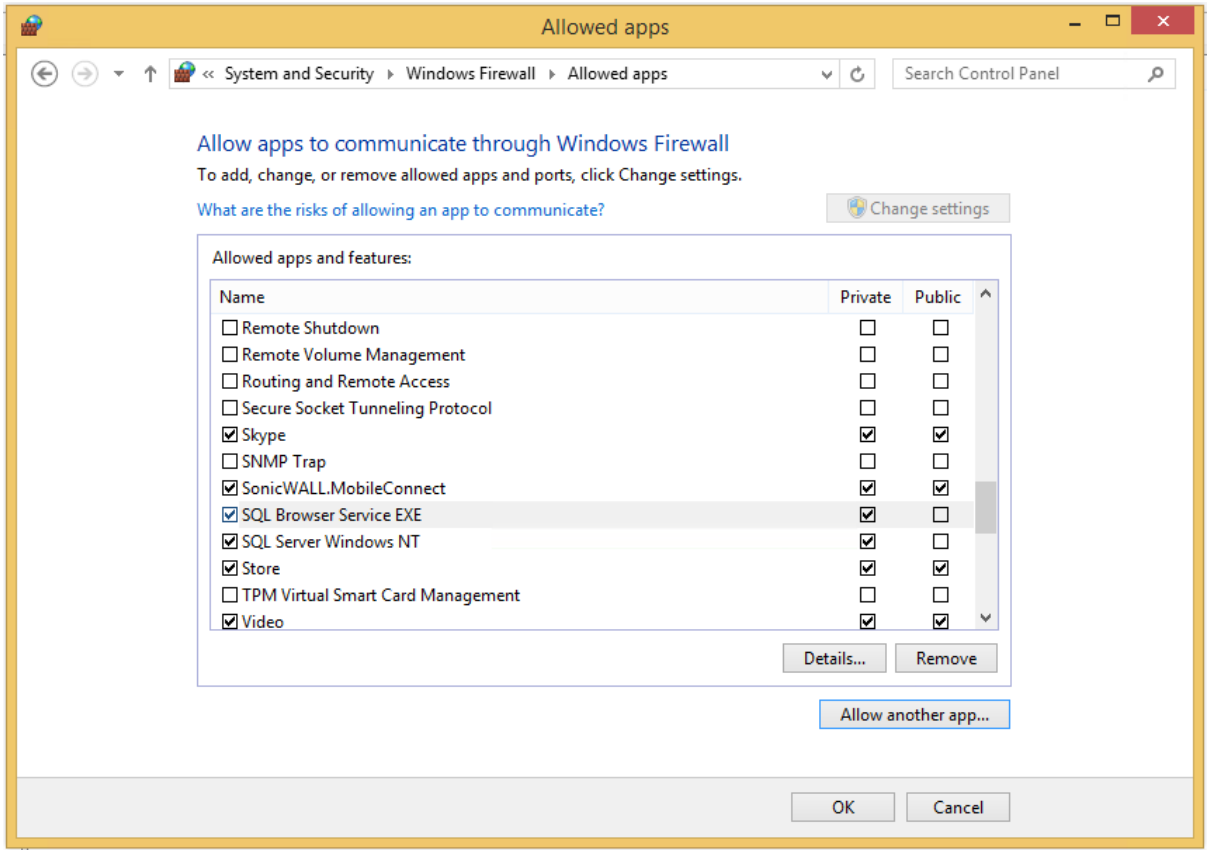


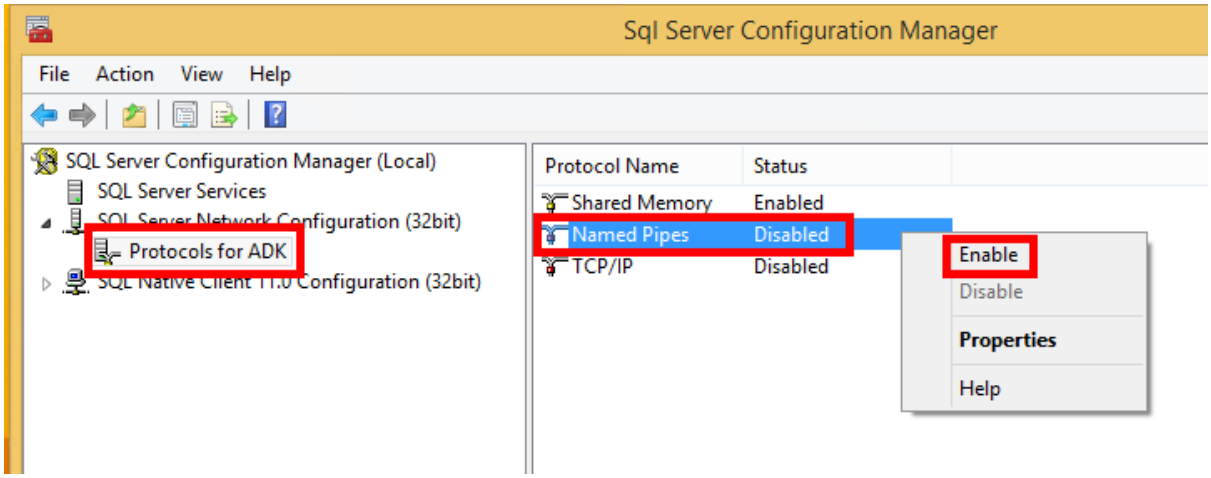

Allowed apps
System and Security ▸ Windows Firewall ▸ Allowed apps
Search Control Panel
Allow apps to communicate through Windows Firewall
To add, change, or remove allowed apps and ports, click Change settings.
What are the risks of allowing an app to communicate?
Change settings
Allowed apps and features:
Name
Private
Public
BranchCache - Content Retrieval (Uses HTTP)
BranchCache - Hosted Cache Client (Uses HTTPS)
BranchCache - Hosted Cache Server (Uses HTTPS)
BranchCache - Peer Discovery (Uses WSD)
CheckPoint.VPN
Connect to a Network Projector
Core Networking
Distributed Transaction Coordinator
f5.vpn.client
File and Printer Sharing
Games
HomeGroup
Details...
Remove
Allow another app...
OK
Cancel

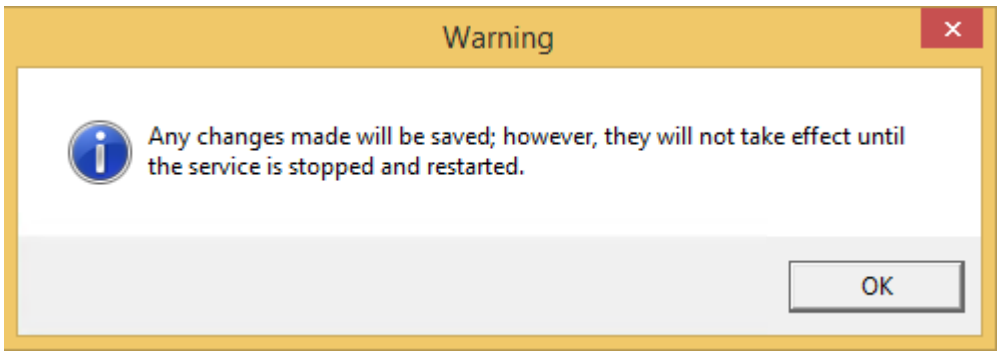

Add an app
Select the app you want to add, or click Browse to find one that is not listed, and then click OK.
Apps:
Calculator
Camera
Character Map
Command Prompt
Import and Export Data (32-bit)
Internet Explorer
Magnifier
Math Input Panel
Narrator
Notepad
OneDrive
Path:
C:\Windows\system32\calc.exe
Browse...
What are the risks of unblocking an app?
You can choose which network types to add this app to.
Network types...
Add
Cancel

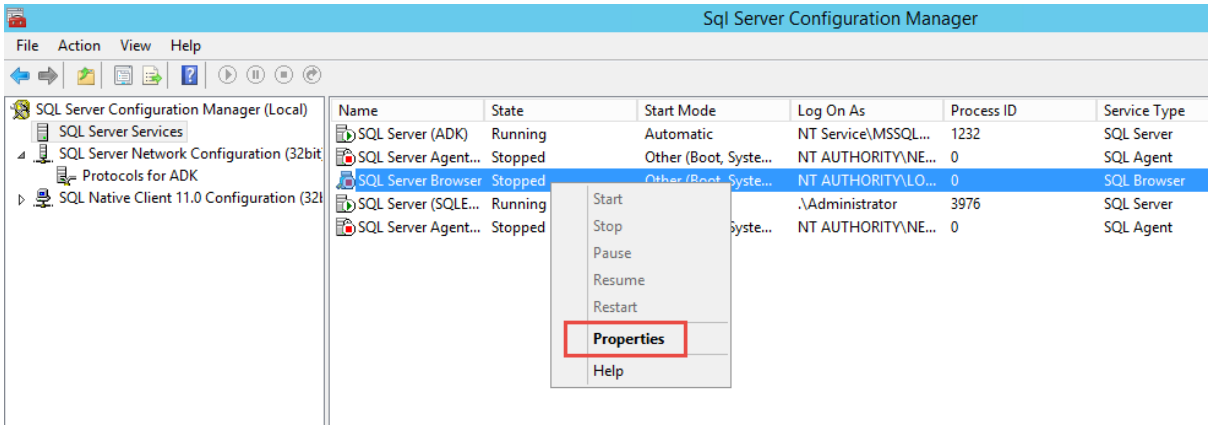

Browse
« MSSQL11.ADK ▸ MSSQL ▸ Binn ▸
Search Binn
Organize
New folder
Favorites
Desktop
Downloads
Recent places
Homegroup
This PC
Network
Name
Date modified
Type
DIITmp32 8/9/2015 3:39 PM File folder
Resources 8/9/2015 3:39 PM File folder
Templates 8/9/2015 3:39 PM File folder
DatabaseMail 2/11/2012 9:11 AM Application
DCEXEC 2/11/2012 9:14 AM Application
SQLAGENT 2/11/2012 9:14 AM Application
SQLIOSIM 2/11/2012 7:55 AM MS-DOS Applicat
SQLIOSIM 2/11/2012 9:14 AM Application
sqlmaint 2/11/2012 9:14 AM Application
sqlservr 2/11/2012 9:14 AM Application
sqlstubss 2/11/2012 9:14 AM Application
xpadsi 2/11/2012 9:11 AM Application
File name: sqlservr
Applications (*.exe;*.com;*.icd)
Open
Cancel

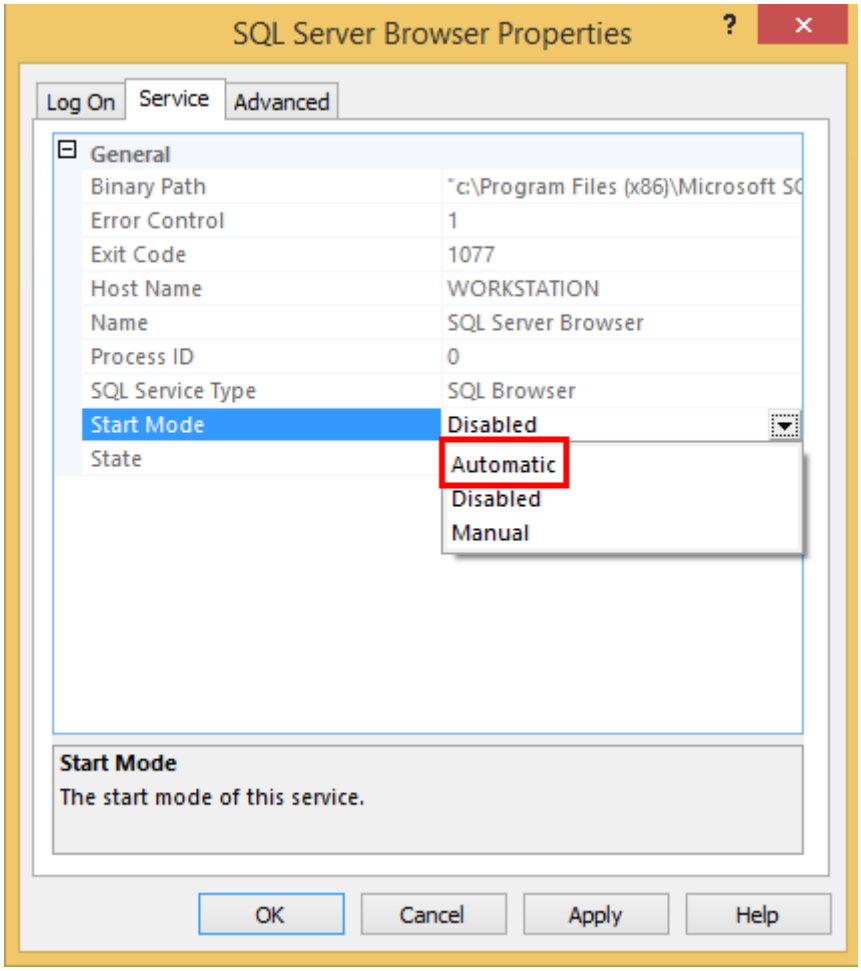

Add an app
Select the app you want to add, or click Browse to find one that is not listed, and then click OK.
Apps:
Remote Desktop Connection
Snipping Tool
Sound Recorder
SQL Server Error and Usage Reporting
SQL Server Installation Center
SQL Server Installation Center
SQL Server Windows NT
Steps Recorder
Sticky Notes
UDI Wizard Designer
Windows Defender
Path:
C:\Program Files (x86)\Microsoft SQL Server\
Browse...
What are the risks of unblocking an app?
You can choose which network types to add this app to.
Network types...
Add
Cancel

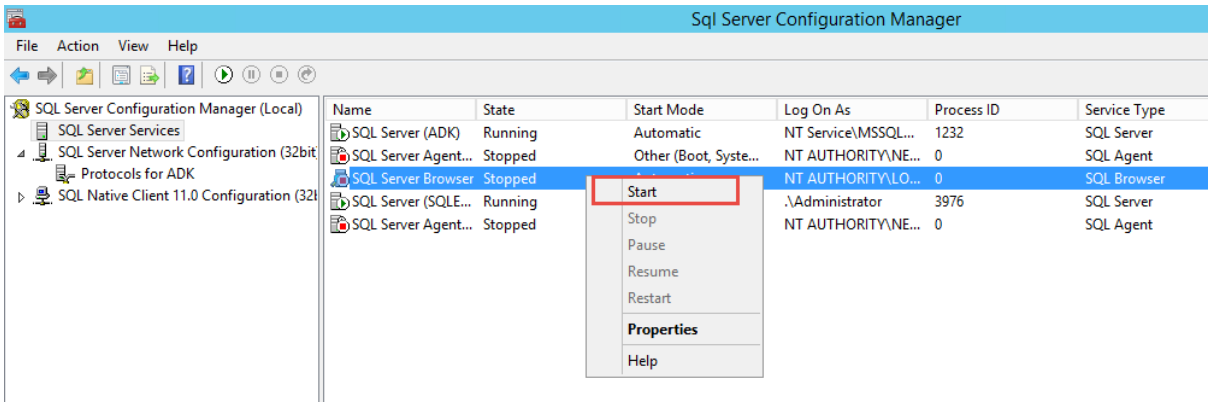

Allowed apps
System and Security ▸ Windows Firewall ▸ Allowed apps
Search Control Panel
Allow apps to communicate through Windows Firewall
To add, change, or remove allowed apps and ports, click Change settings.
What are the risks of allowing an app to communicate?
Change settings
Allowed apps and features:
Name
Private
Public
Remote Shutdown
Remote Volume Management
Routing and Remote Access
Secure Socket Tunneling Protocol
Skype
SNMP Trap
SonicWALL.MobileConnect
SQL Browser Service EXE
SQL Server Windows NT
Store
TPM Virtual Smart Card Management
Video
Details...
Remove
Allow another app...
OK
Cancel

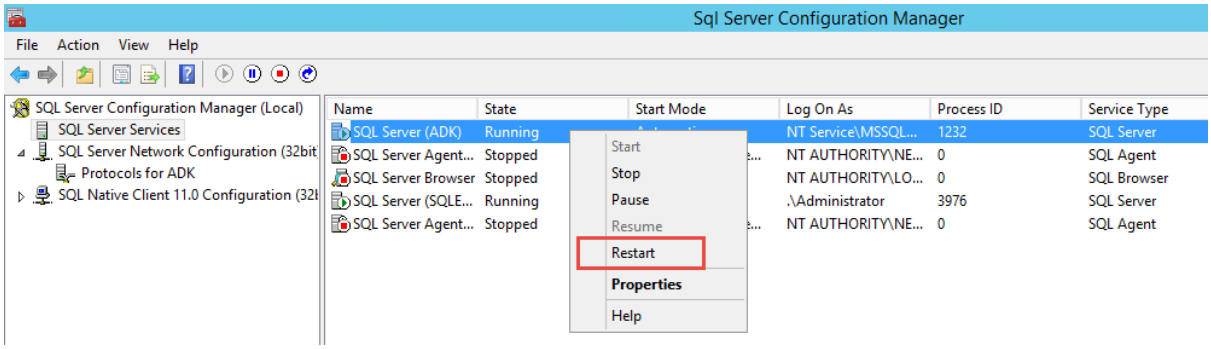

Sql Server Configuration Manager
File
Action
View
Help
SQL Server Configuration Manager (Local)
SQL Server Services
SQL Server Network Configuration (32bit)
Protocols for ADK
SQL Native Client 11.0 Configuration (32bit)
Protocol Name
Status
Shared Memory
Enabled
Named Pipes
Disabled
TCP/IP
Disabled
Enable
Disable
Properties
Help

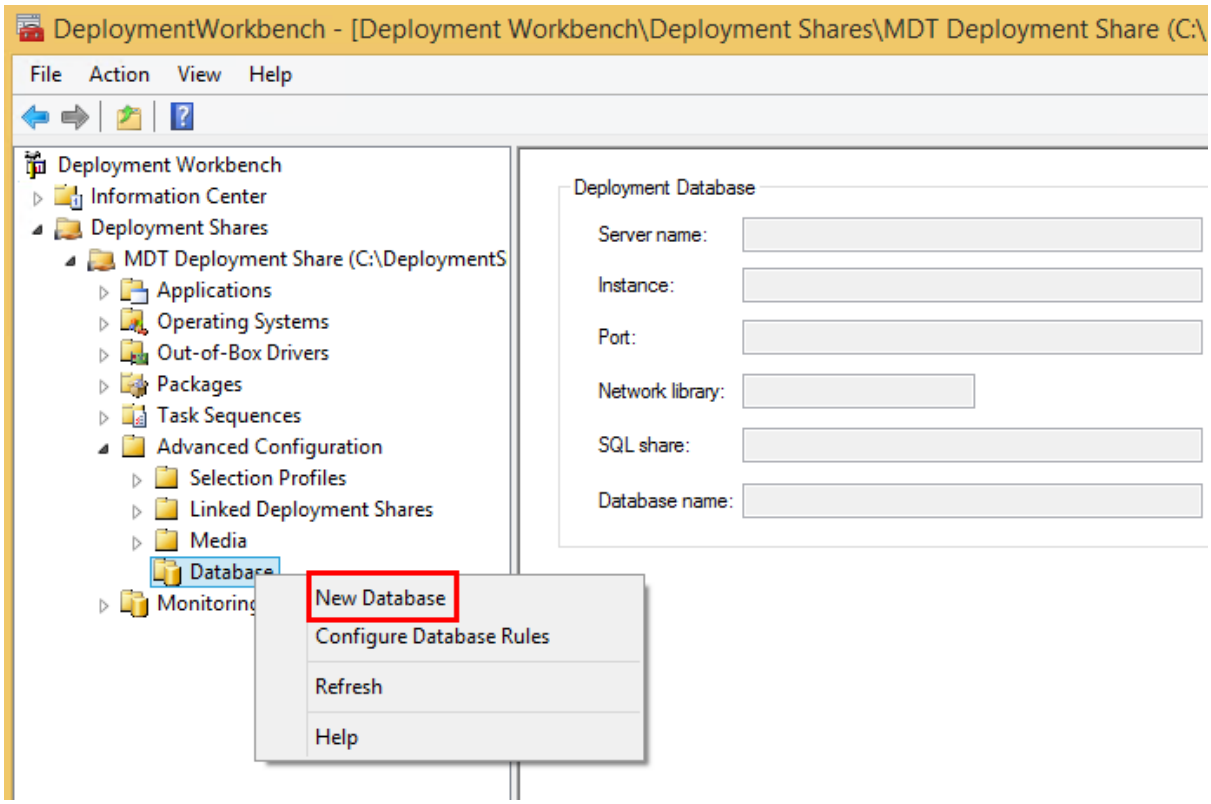

Warning
Any changes made will be saved; however, they will not take effect until the service is stopped and restarted.
OK

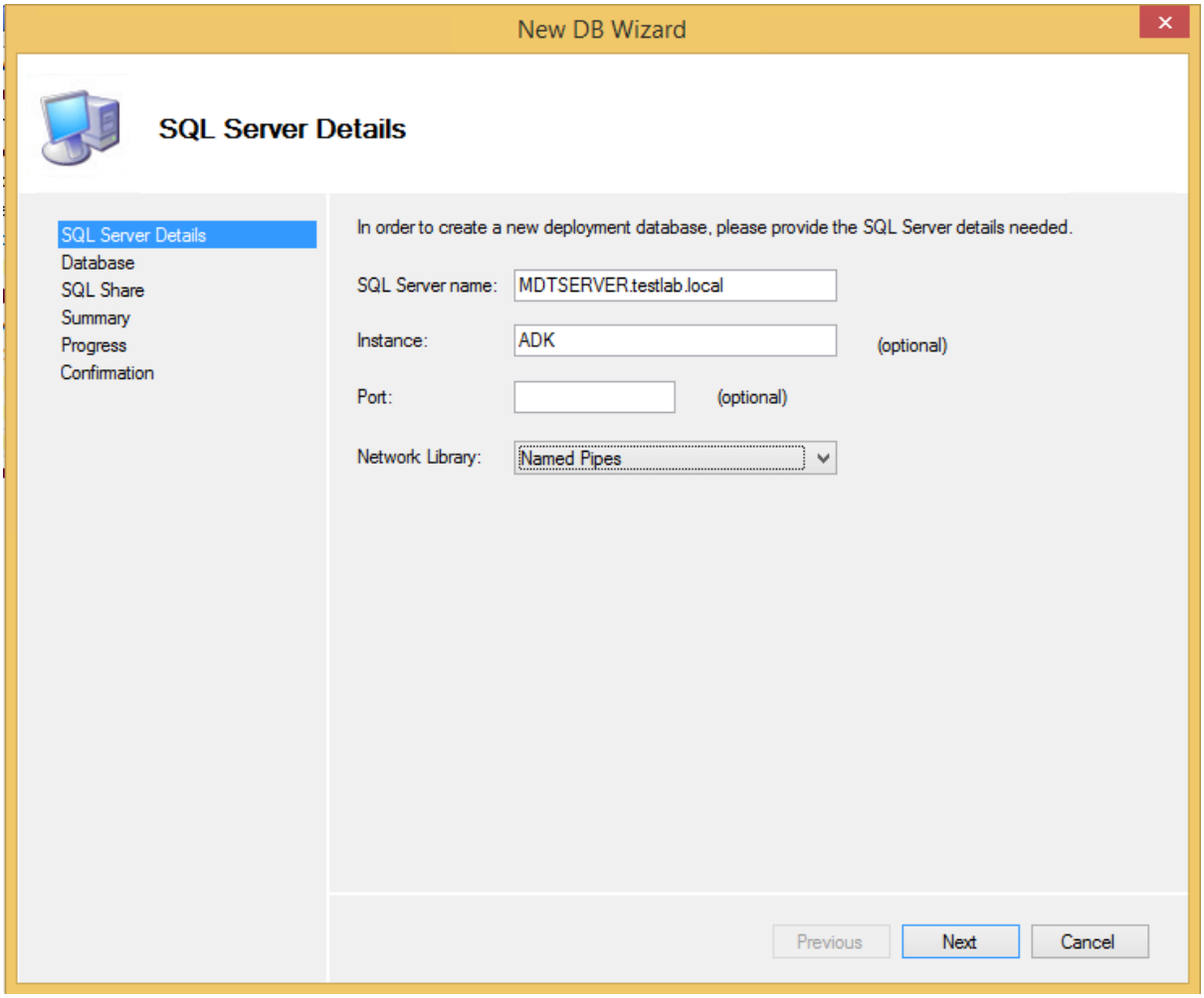

Sql Server Configuration Manager
File Action View Help
SQL Server Configuration Manager (Local)
SQL Server Services
SQL Server Network Configuration (32bit
Protocols for ADK
SQL Native Client 11.0 Configuration (32
Name State Start Mode Log On As Process ID Service Type
SQL Server (ADK) Running Automatic NT Service\MSSQL... 1232 SQL Server
SQL Server Agent... Stopped Other (Boot, Syste... NT AUTHORITY\NE... 0 SQL Agent
SQL Server Browser Stopped NT AUTHORITY\LO... 0 SQL Browser
SQL Server (SQLE... Running .\Administrator 3976 SQL Server
SQL Server Agent... Stopped NT AUTHORITY\NE... 0 SQL Agent
Start
Stop
Pause
Resume
Restart
Properties
Help

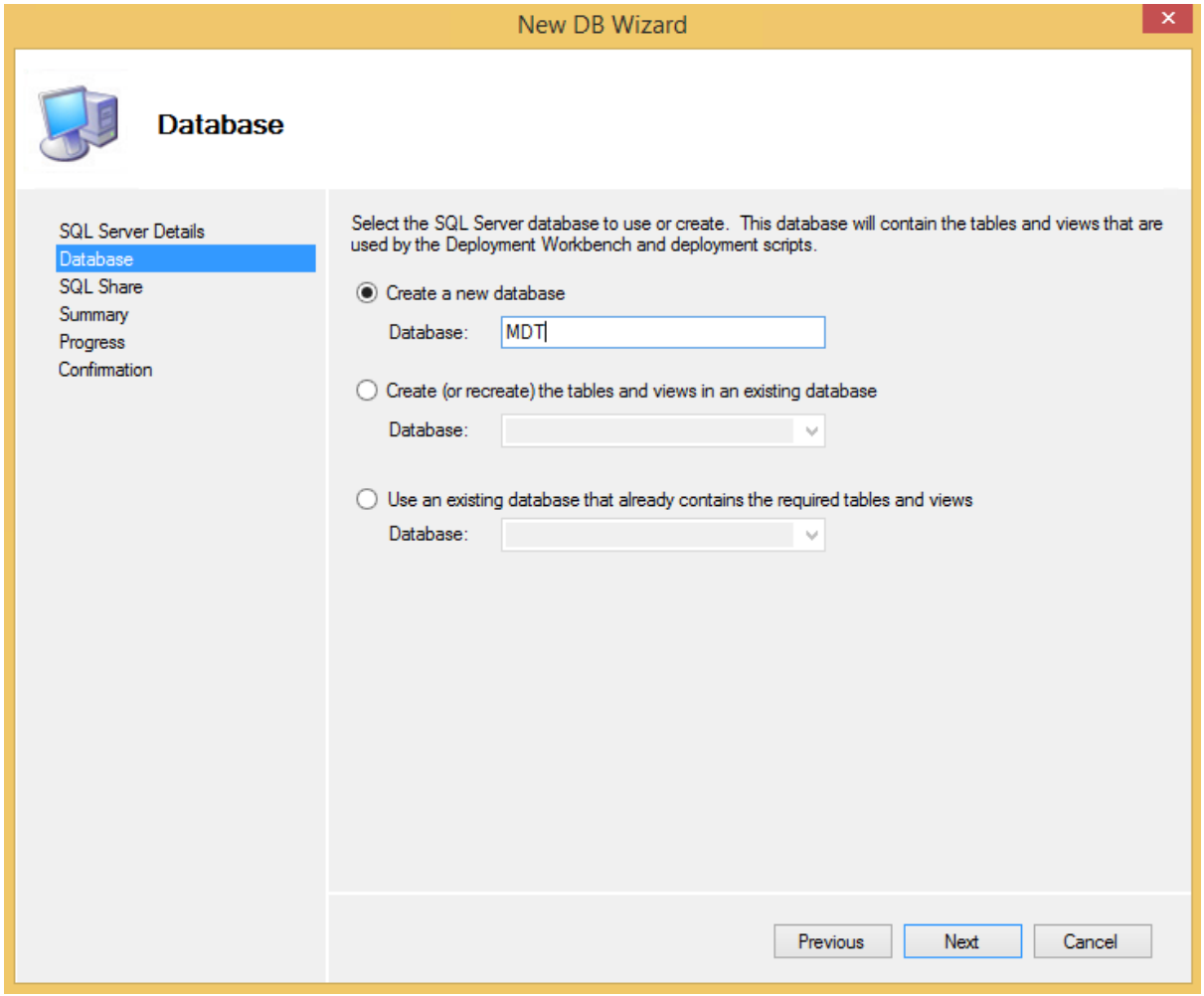

SQL Server Browser Properties
Log On
Service
Advanced
General
Binary Path
"c:\Program Files (x86)\Microsoft SQ
Error Control
1
Exit Code
1077
Host Name
WORKSTATION
Name
SQL Server Browser
Process ID
0
SQL Service Type
SQL Browser
Start Mode
Disabled
State
Automatic
Disabled
Manual
Start Mode
The start mode of this service.
OK
Cancel
Apply
Help

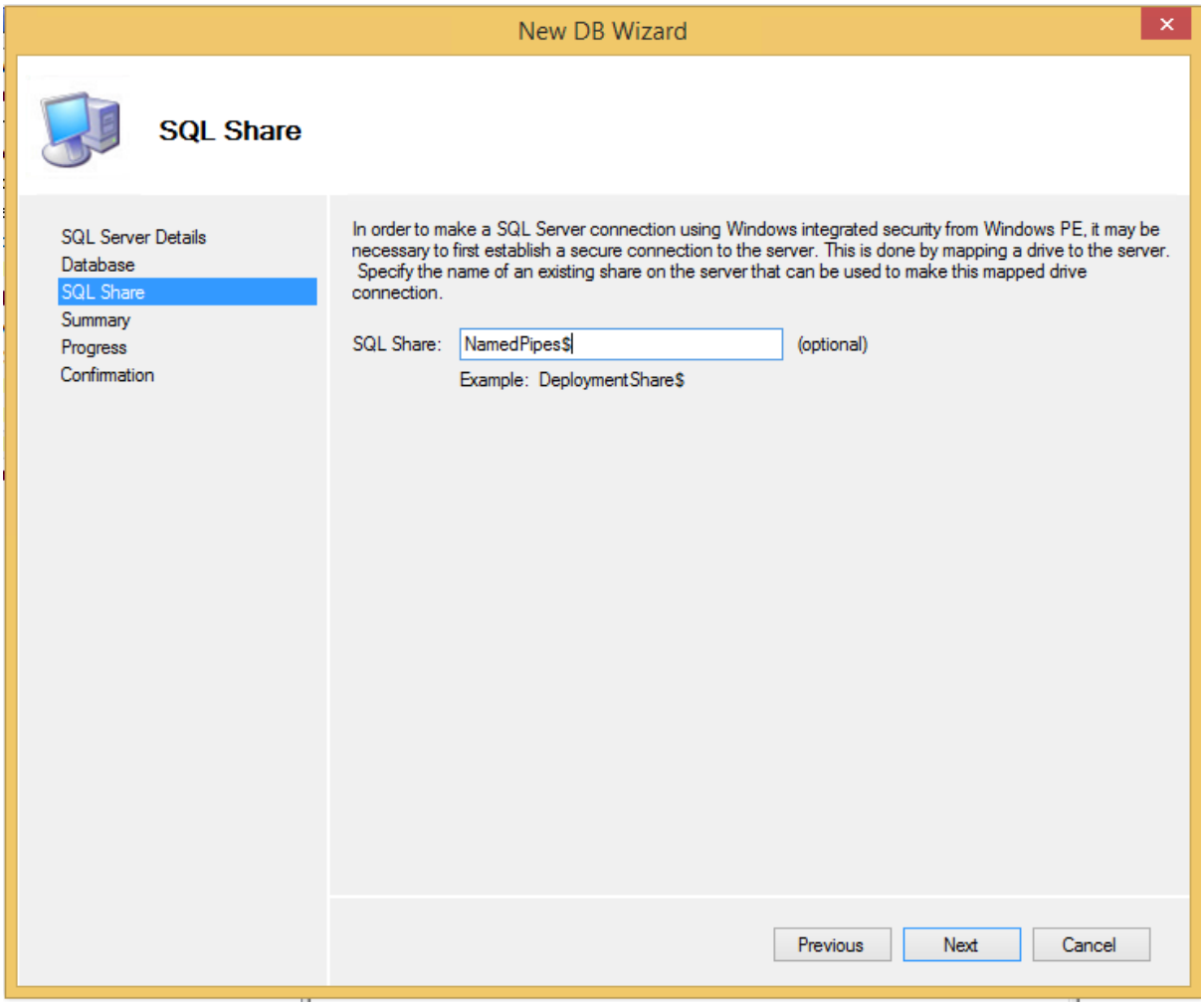

Sql Server Configuration Manager
File Action View Help
SQL Server Configuration Manager (Local)
SQL Server Services
SQL Server Network Configuration (32bit
Protocols for ADK
SQL Native Client 11.0 Configuration (32
Name State Start Mode Log On As Process ID Service Type
SQL Server (ADK) Running Automatic NT Service\MSSQL... 1232 SQL Server
SQL Server Agent... Stopped Other (Boot, Syste... NT AUTHORITY\NE... 0 SQL Agent
SQL Server Browser Stopped NT AUTHORITY\LO... 0 SQL Browser
SQL Server (SQLE... Running .\Administrator 3976 SQL Server
SQL Server Agent... Stopped NT AUTHORITY\NE... 0 SQL Agent
Start
Stop
Pause
Resume
Restart
Properties
Help

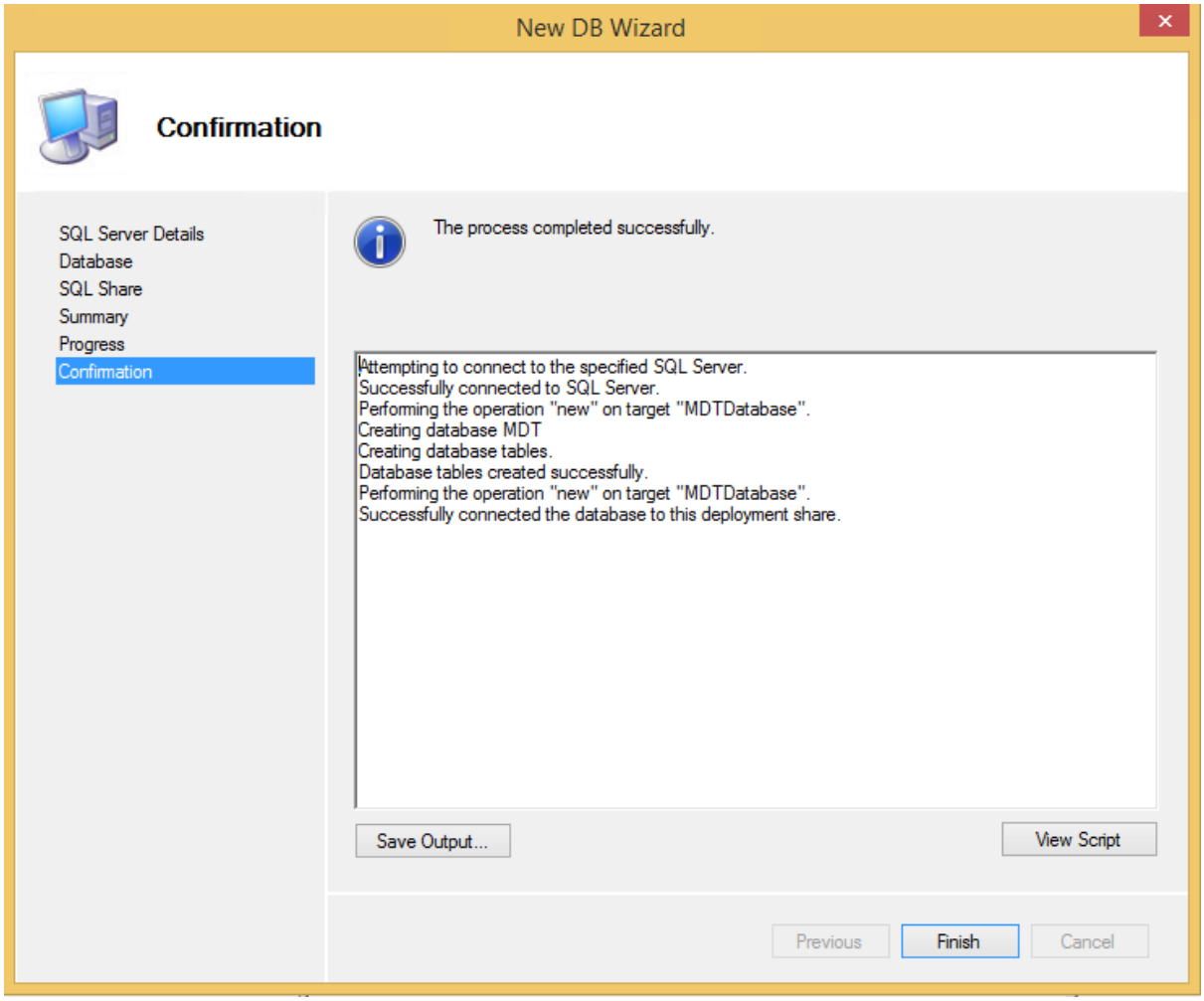

Sql Server Configuration Manager
File Action View Help
SQL Server Configuration Manager (Local)
SQL Server Services
SQL Server Network Configuration (32bit
Protocols for ADK
SQL Native Client 11.0 Configuration (32
Name State Start Mode Log On As Process ID Service Type
SQL Server (ADK) Running NT Service\MSSQL... 1232 SQL Server
SQL Server Agent... Stopped NT AUTHORITY\NE... 0 SQL Agent
SQL Server Browser Stopped NT AUTHORITY\LO... 0 SQL Browser
SQL Server (SQLE... Running .\Administrator 3976 SQL Server
SQL Server Agent... Stopped NT AUTHORITY\NE... 0 SQL Agent
Start
Stop
Pause
Resume
Restart
Properties
Help

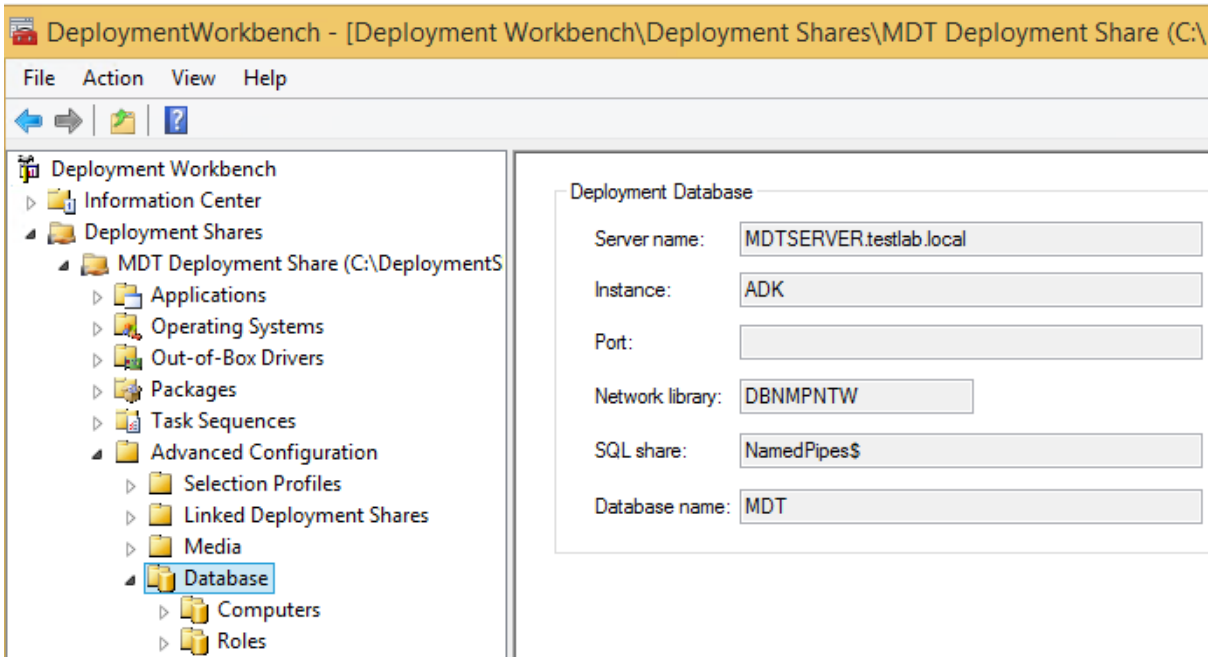

DeploymentWorkbench - [Deployment Workbench\Deployment Shares\MDT Deployment Share (C:\
File Action View Help
Deployment Workbench
Information Center
Deployment Shares
MDT Deployment Share (C:\DeploymentS
Applications
Operating Systems
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Selection Profiles
Linked Deployment Shares
Media
Database
Monitoring
New Database
Configure Database Rules
Refresh
Help
Deployment Database
Server name:
Instance:
Port:
Network library:
SQL share:
Database name:

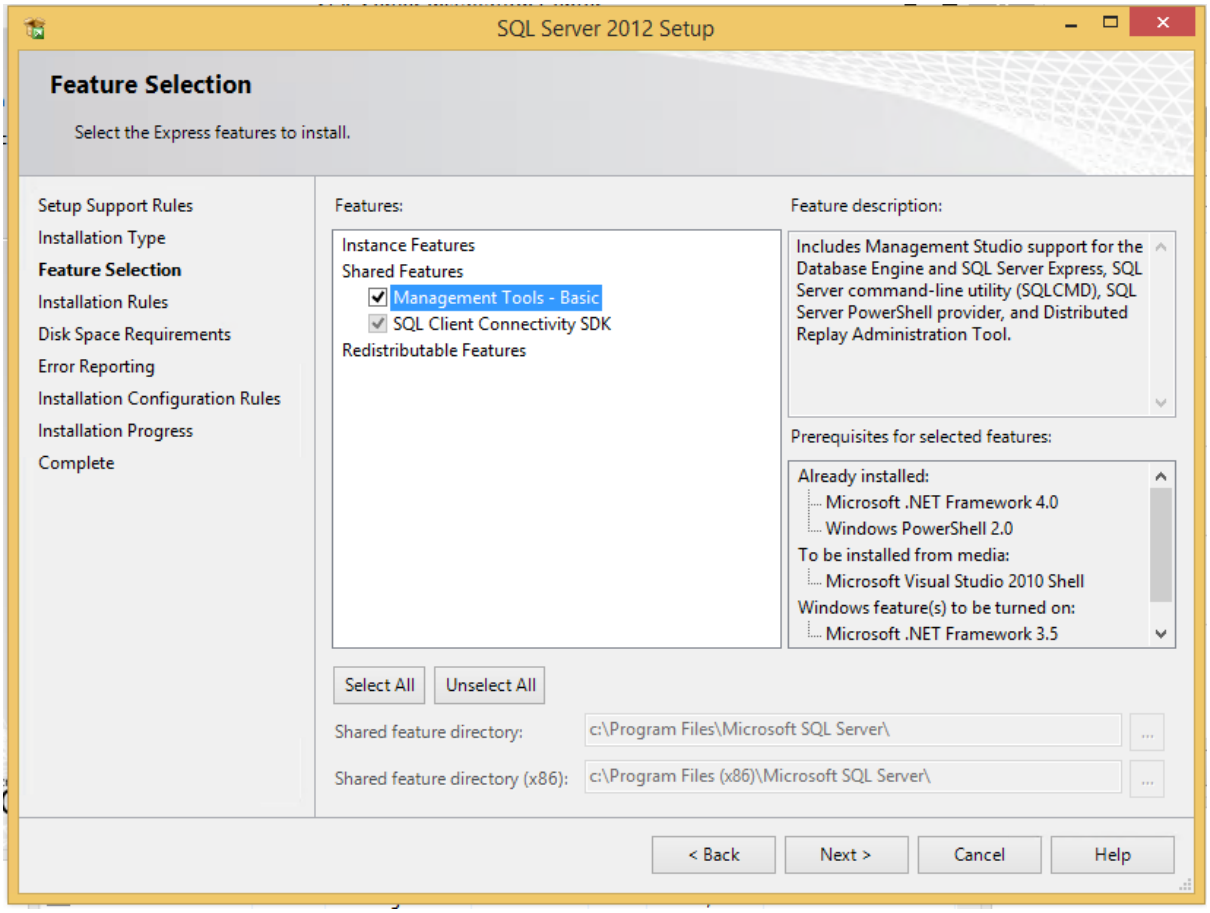

New DB Wizard
SQL Server Details
SQL Server Details
Database
SQL Share
Summary
Progress
Confirmation
In order to create a new deployment database, please provide the SQL Server details needed.
SQL Server name:
MDTSERVER.testlab.local
Instance:
ADK
(optional)
Port:
(optional)
Network Library:
Named Pipes
Previous
Next
Cancel

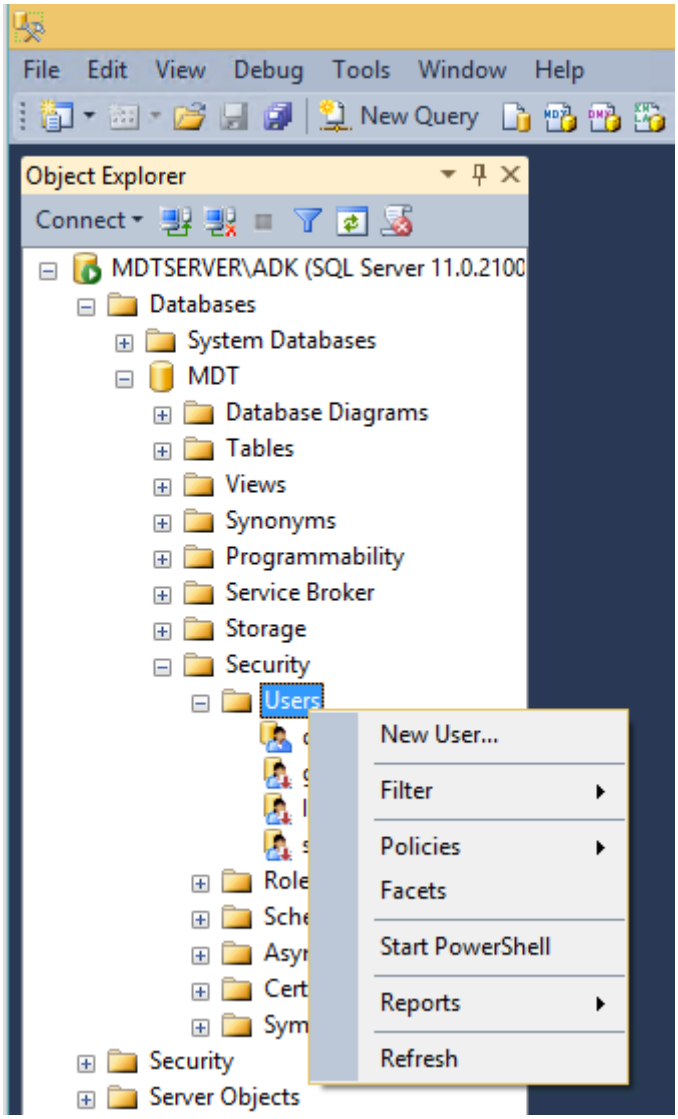

New DB Wizard
Database
SQL Server Details
Database
SQL Share
Summary
Progress
Confirmation
Select the SQL Server database to use or create. This database will contain the tables and views that are used by the Deployment Workbench and deployment scripts.
Create a new database
Database: MDT
Create (or recreate) the tables and views in an existing database
Database:
Use an existing database that already contains the required tables and views
Database:
Previous
Next
Cancel

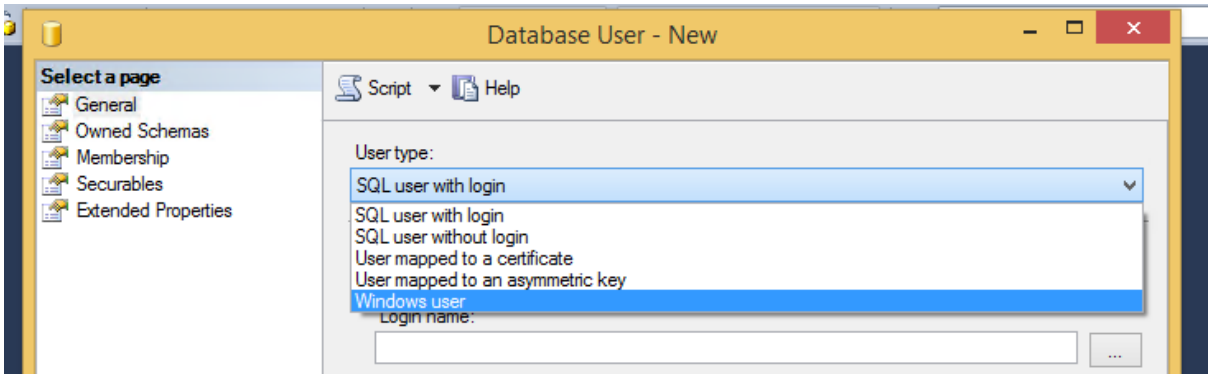

New DB Wizard
SQL Share
SQL Server Details
Database
SQL Share
Summary
Progress
Confirmation
In order to make a SQL Server connection using Windows integrated security from Windows PE, it may be necessary to first establish a secure connection to the server. This is done by mapping a drive to the server. Specify the name of an existing share on the server that can be used to make this mapped drive connection.
SQL Share:
NamedPipes$
(optional)
Example: DeploymentShare$
Previous
Next
Cancel

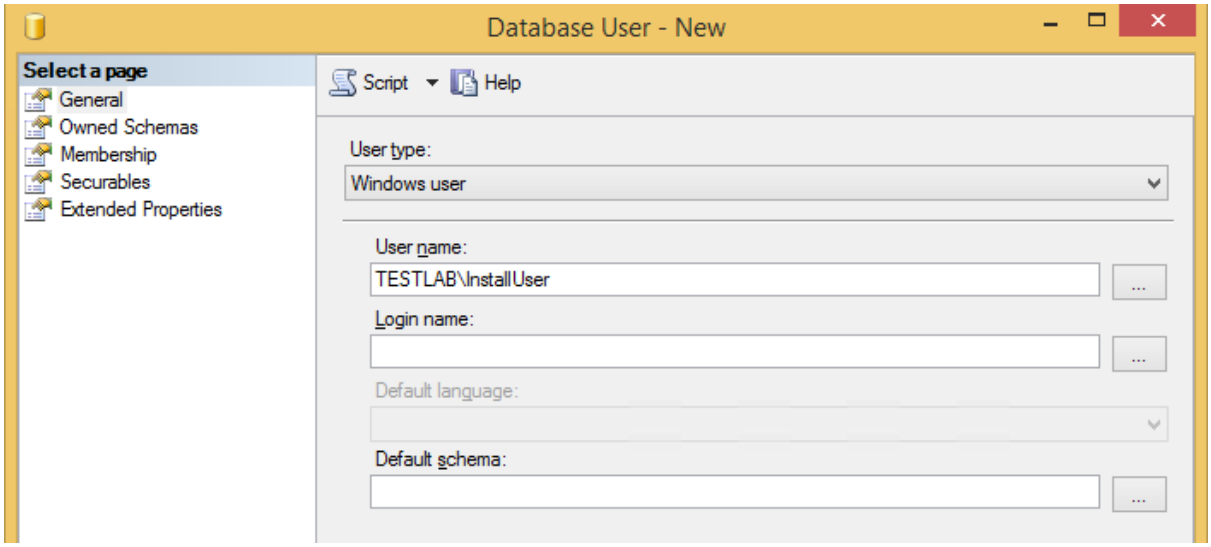

New DB Wizard
Confirmation
SQL Server Details
Database
SQL Share
Summary
Progress
Confirmation
The process completed successfully.
Attempting to connect to the specified SQL Server.
Successfully connected to SQL Server.
Performing the operation "new" on target "MDTDatabase".
Creating database MDT
Creating database tables.
Database tables created successfully.
Performing the operation "new" on target "MDTDatabase".
Successfully connected the database to this deployment share.
Save Output...
View Script
Previous
Finish
Cancel

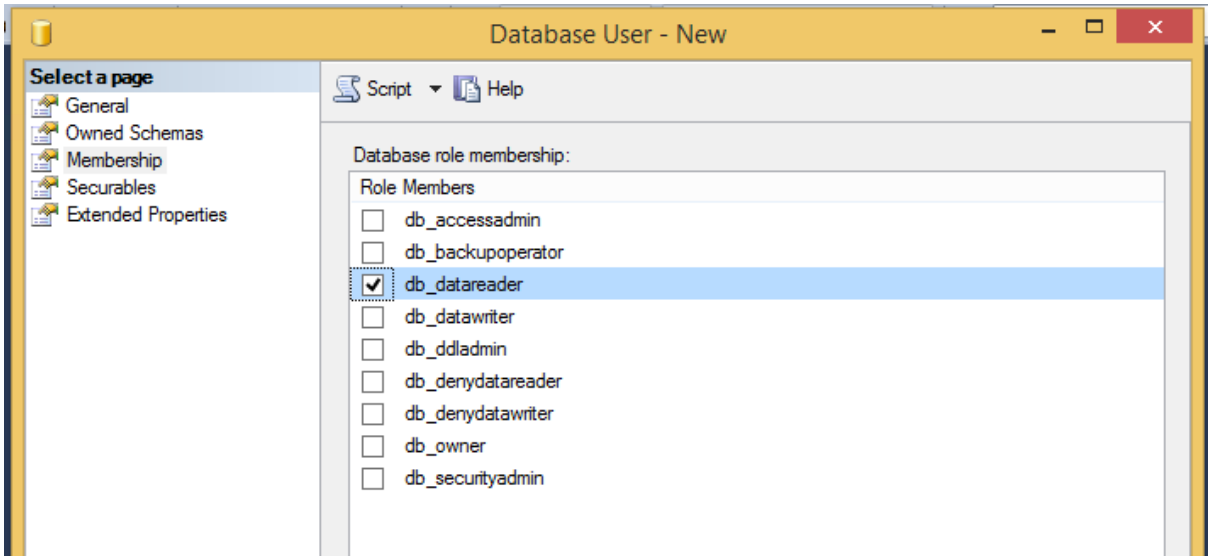

DeploymentWorkbench - [Deployment Workbench\Deployment Shares\MDT Deployment Share (C:\
File
Action
View
Help
Deployment Workbench
Information Center
Deployment Shares
MDT Deployment Share (C:\DeploymentS
Applications
Operating Systems
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Selection Profiles
Linked Deployment Shares
Media
Database
Computers
Roles
Deployment Database
Server name:
MDTSERVER.testlab.local
Instance:
ADK
Port:
Network library:
DBNMPNTW
SQL share:
NamedPipes$
Database name:
MDT

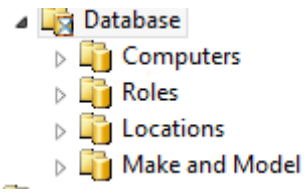

SQL Server 2012 Setup
Feature Selection
Select the Express features to install.
Setup Support Rules
Installation Type
Feature Selection
Installation Rules
Disk Space Requirements
Error Reporting
Installation Configuration Rules
Installation Progress
Complete
Features:
Instance Features
Shared Features
Management Tools - Basic
SQL Client Connectivity SDK
Redistributable Features
Feature description:
Includes Management Studio support for the Database Engine and SQL Server Express, SQL Server command-line utility (SQLCMD), SQL Server PowerShell provider, and Distributed Replay Administration Tool.
Prerequisites for selected features:
Already installed:
Microsoft .NET Framework 4.0
Windows PowerShell 2.0
To be installed from media:
Microsoft Visual Studio 2010 Shell
Windows feature(s) to be turned on:
Microsoft .NET Framework 3.5
Select All
Unselect All
Shared feature directory:
c:\Program Files\Microsoft SQL Server\
Shared feature directory (x86):
c:\Program Files (x86)\Microsoft SQL Server\
< Back
Next >
Cancel
Help

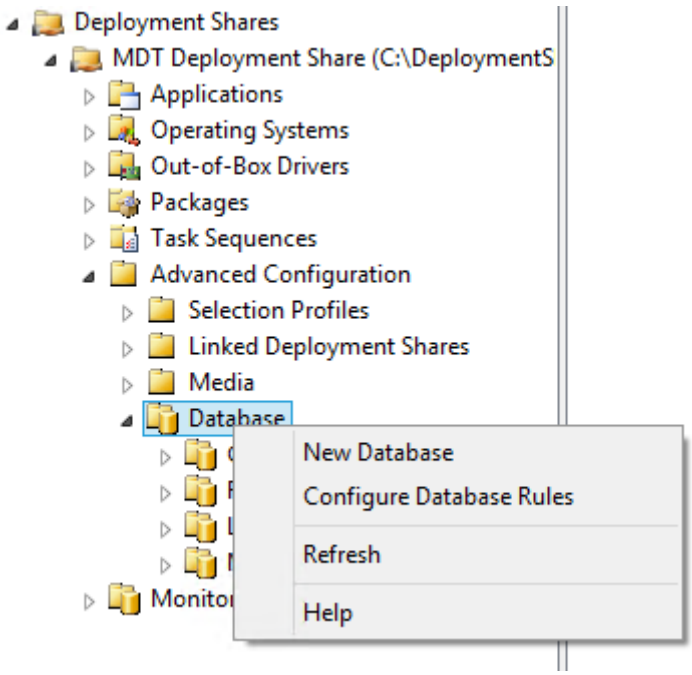

File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
MDTSERVER\ADK (SQL Server 11.0.2100
Databases
System Databases
MDT
Database Diagrams
Tables
Views
Synonyms
Programmability
Service Broker
Storage
Security
Users
Security
Server Objects
New User...
Filter
Policies
Facets
Start PowerShell
Reports
Refresh

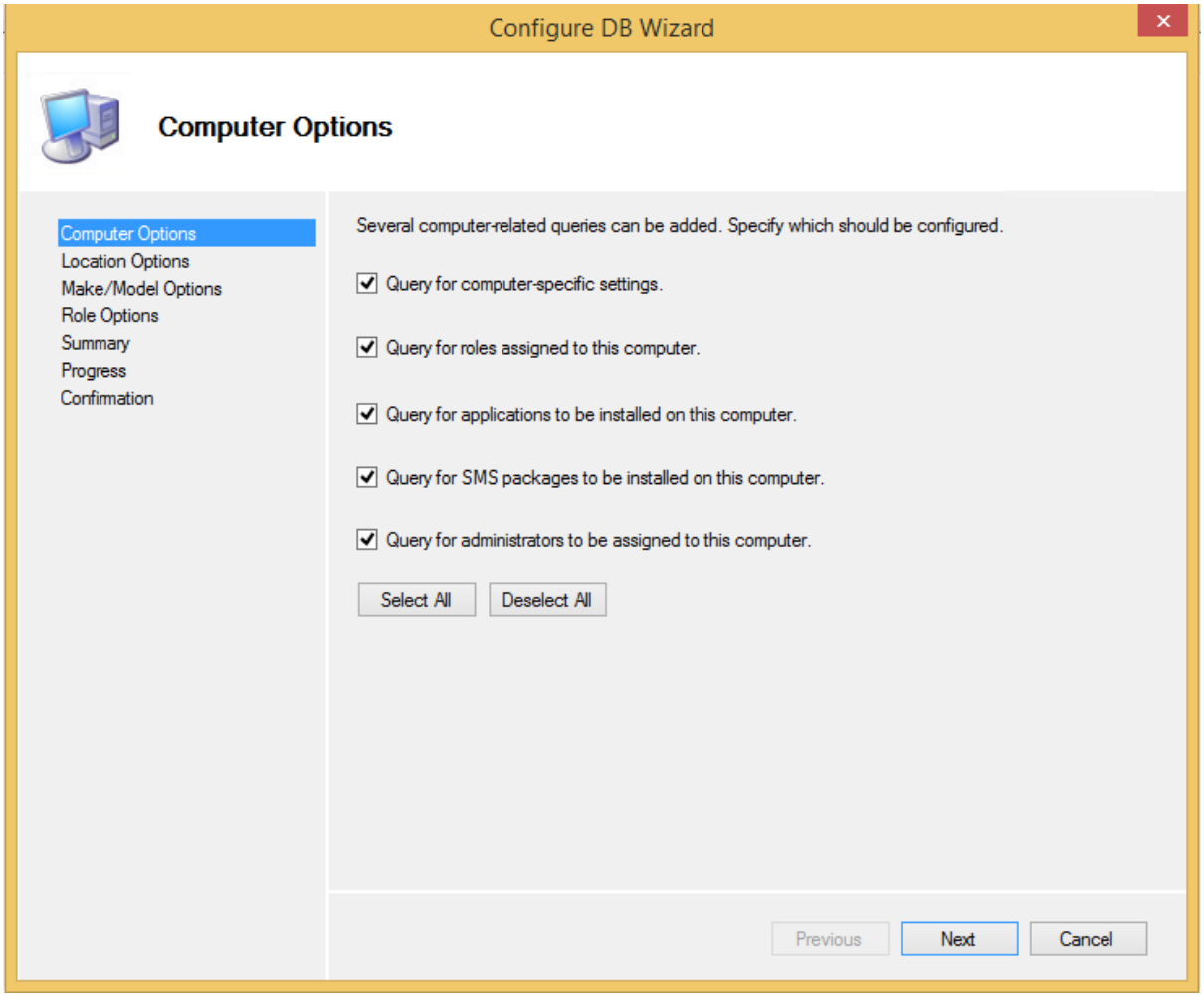

Database User - New
Select a page
General
Owned Schemas
Membership
Securables
Extended Properties
Script
Help
User type:
SQL user with login
SQL user with login
SQL user without login
User mapped to a certificate
User mapped to an asymmetric key
Windows user
Login name:

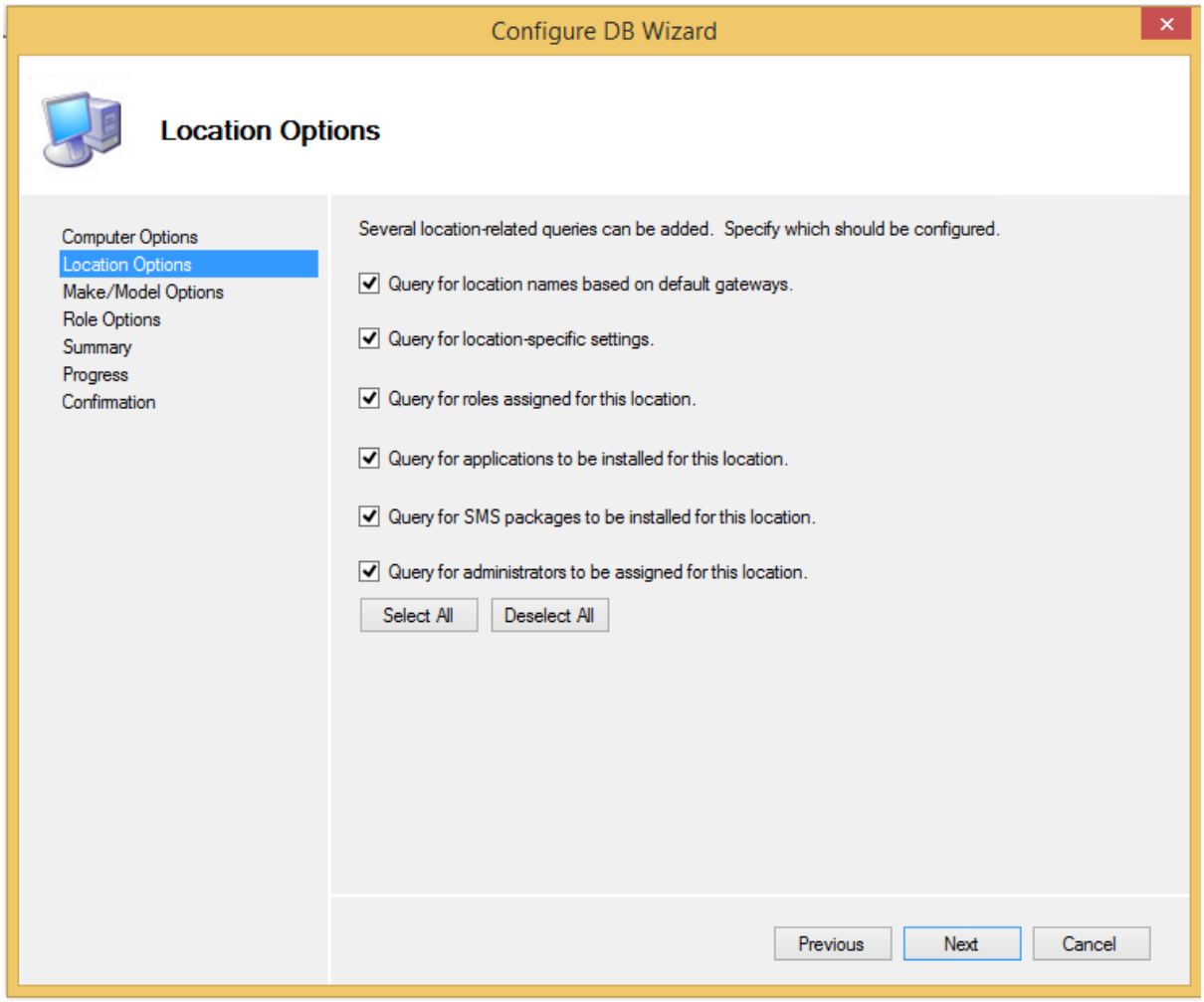

Database User - New
Select a page
General
Owned Schemas
Membership
Securables
Extended Properties
Script
Help
User type:
Windows user
User name:
TESTLAB\InstallUser
Login name:
Default language:
Default schema:

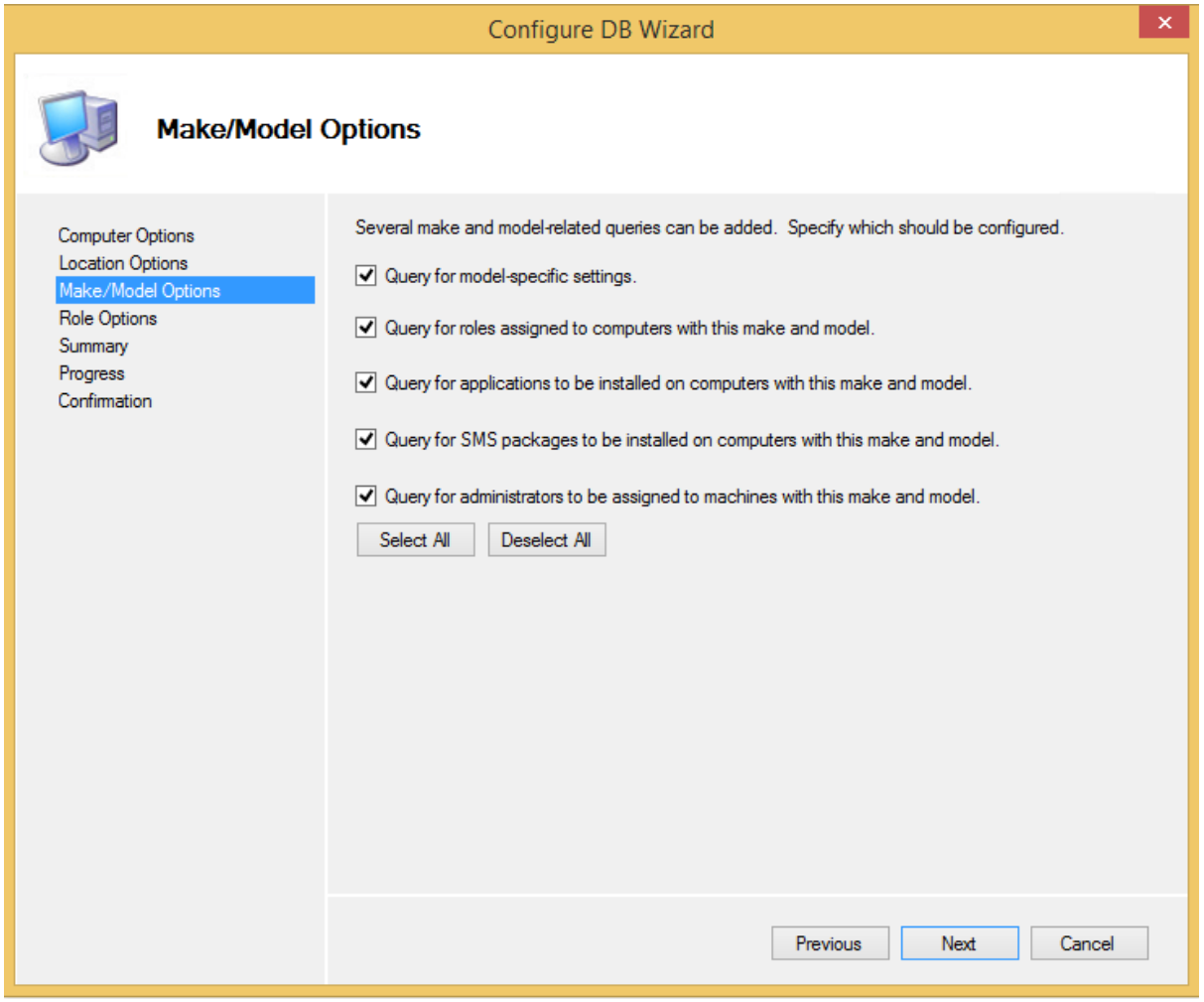

Database User - New
Select a page
General
Owned Schemas
Membership
Securables
Extended Properties
Script
Help
Database role membership:
Role Members
db_accessadmin
db_backupoperator
db_datareader
db_datawriter
db_ddladmin
db_denydatareader
db_denydatawriter
db_owner
db_securityadmin

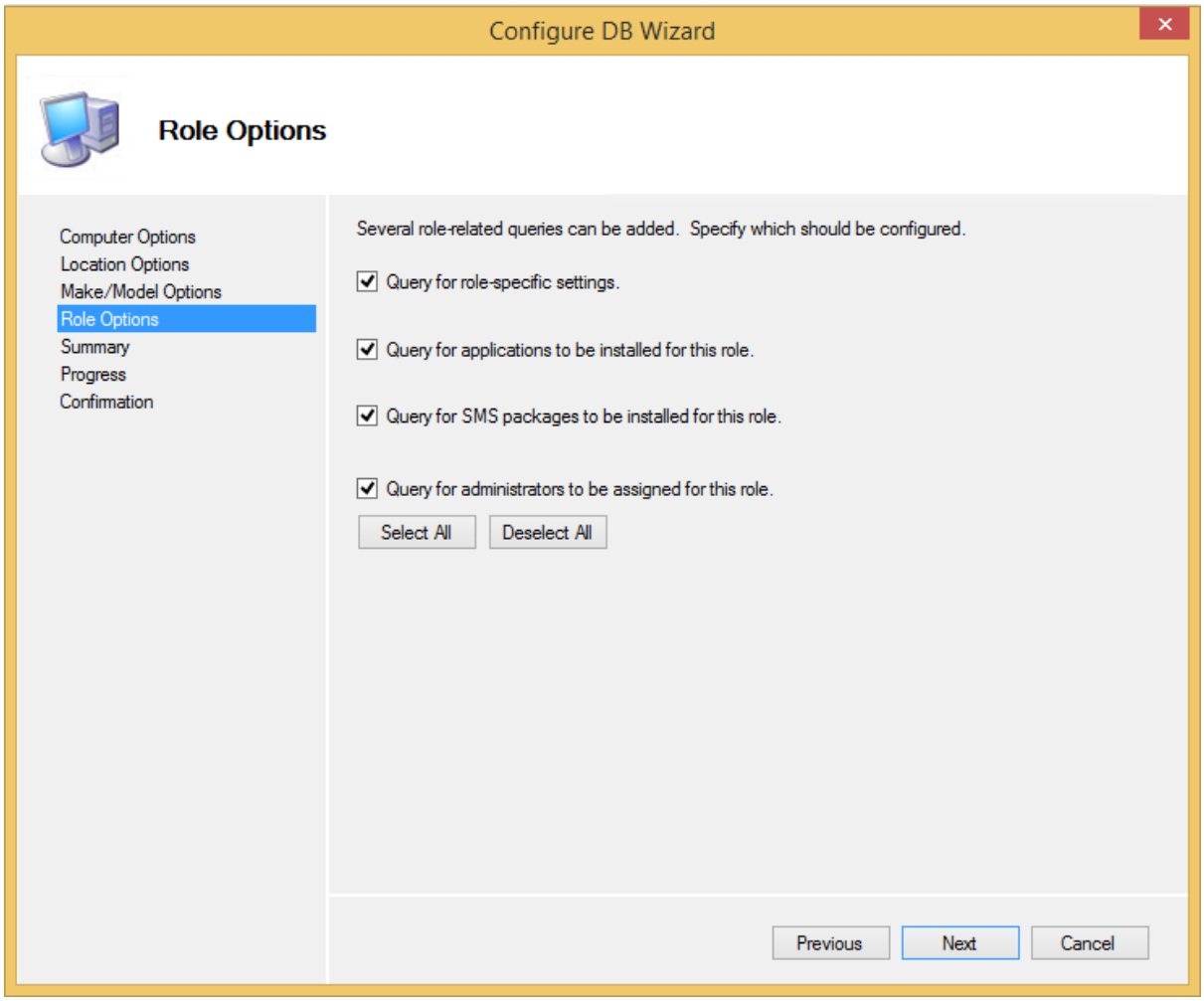

Database
Computers
Roles
Locations
Make and Model

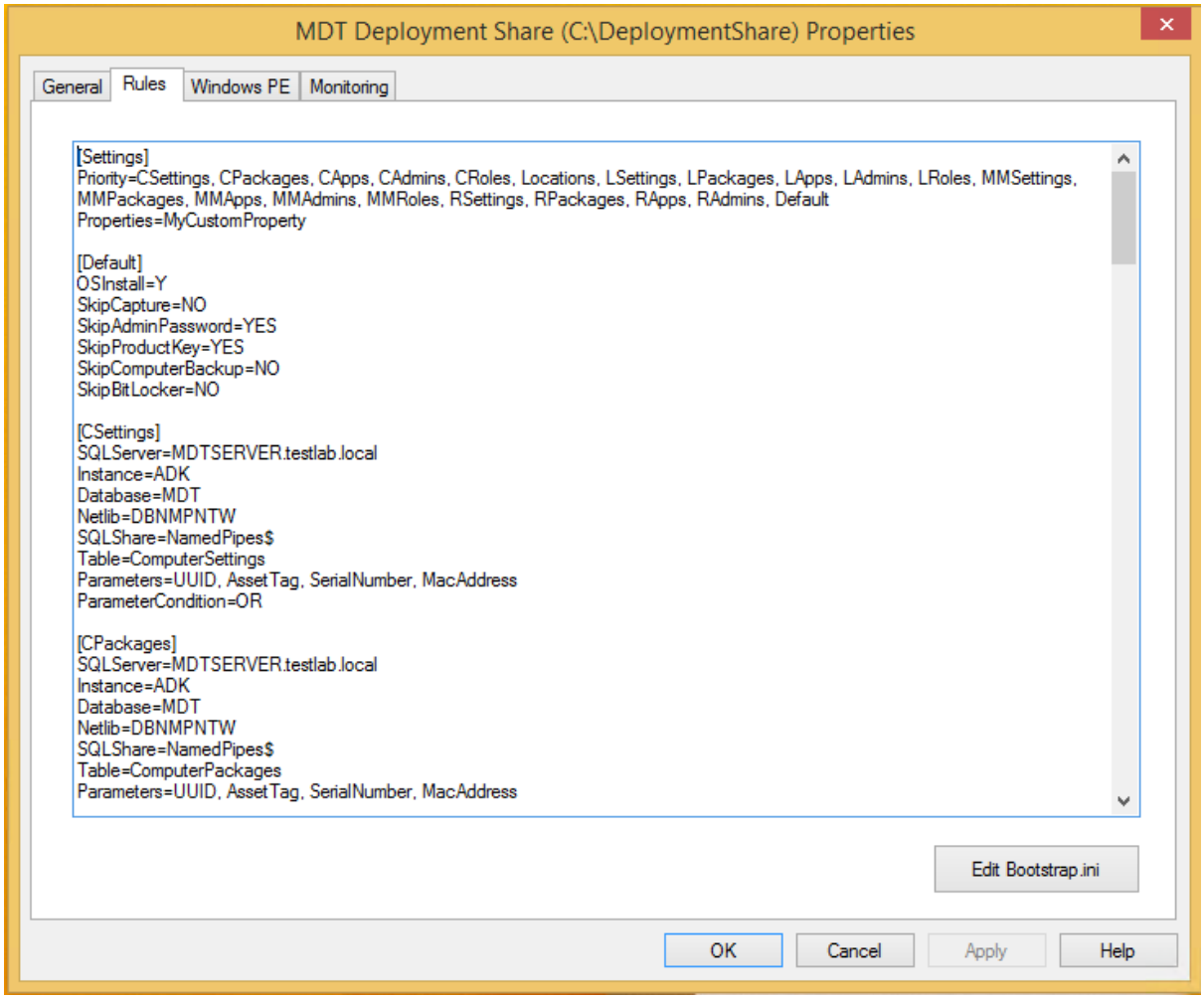

Deployment Shares
MDT Deployment Share (C:\DeploymentS
Applications
Operating Systems
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Selection Profiles
Linked Deployment Shares
Media
Database
New Database
Configure Database Rules
Refresh
Help

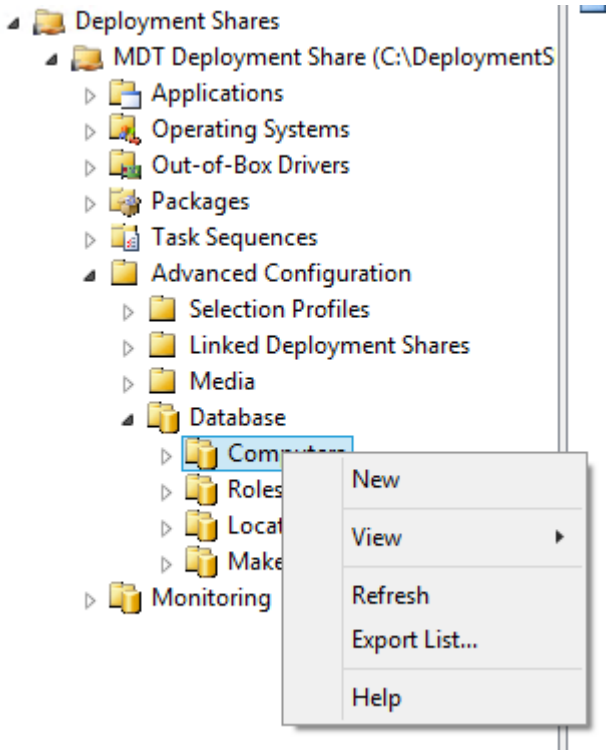

Configure DB Wizard
Computer Options
Computer Options
Location Options
Make/Model Options
Role Options
Summary
Progress
Confirmation
Several computer-related queries can be added. Specify which should be configured.
Query for computer-specific settings.
Query for roles assigned to this computer.
Query for applications to be installed on this computer.
Query for SMS packages to be installed on this computer.
Query for administrators to be assigned to this computer.
Select All
Deselect All
Previous
Next
Cancel

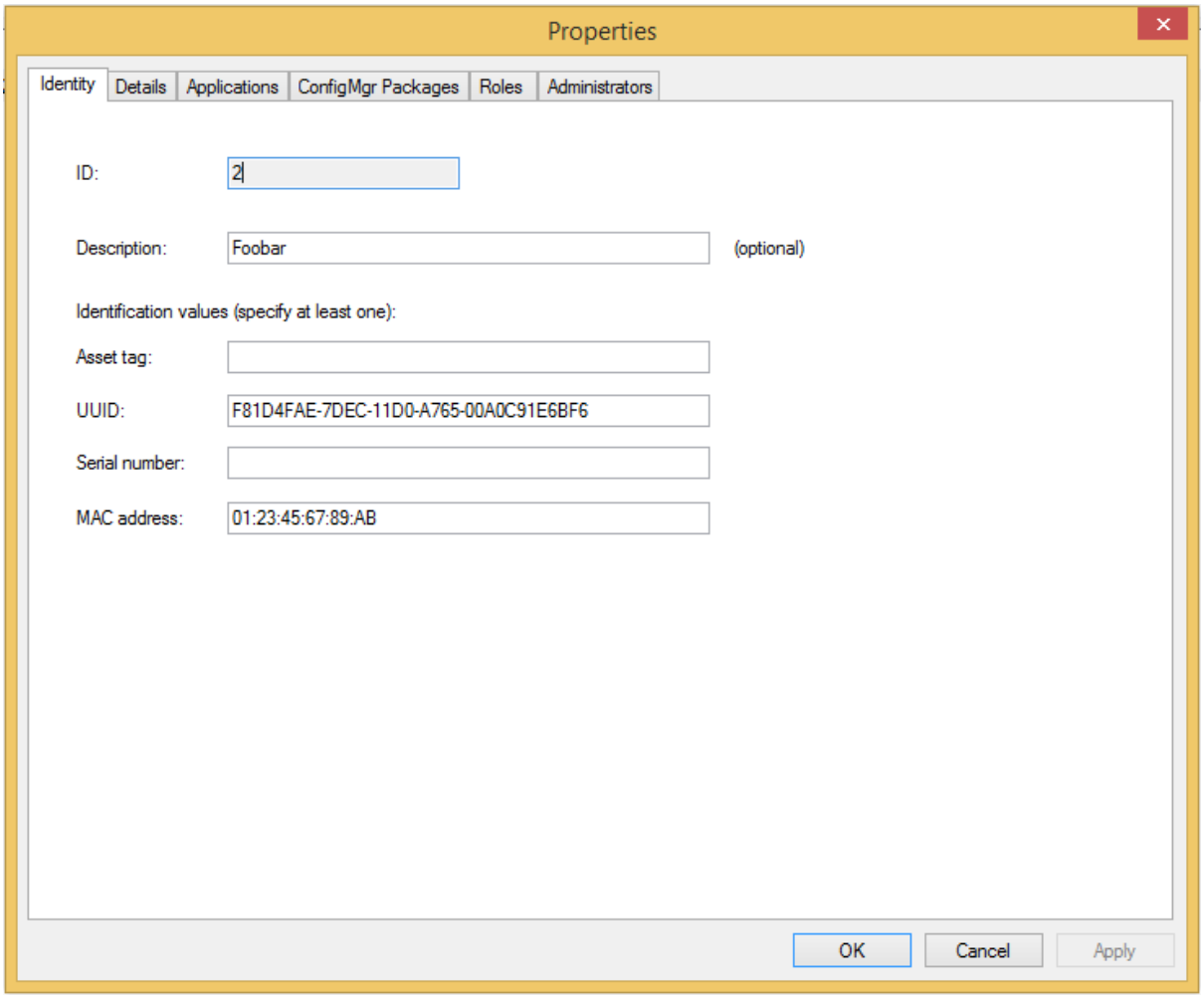

Configure DB Wizard
Location Options
Computer Options
Location Options
Make/Model Options
Role Options
Summary
Progress
Confirmation
Several location-related queries can be added. Specify which should be configured.
Query for location names based on default gateways.
Query for location-specific settings.
Query for roles assigned for this location.
Query for applications to be installed for this location.
Query for SMS packages to be installed for this location.
Query for administrators to be assigned for this location.
Select All
Deselect All
Previous
Next
Cancel

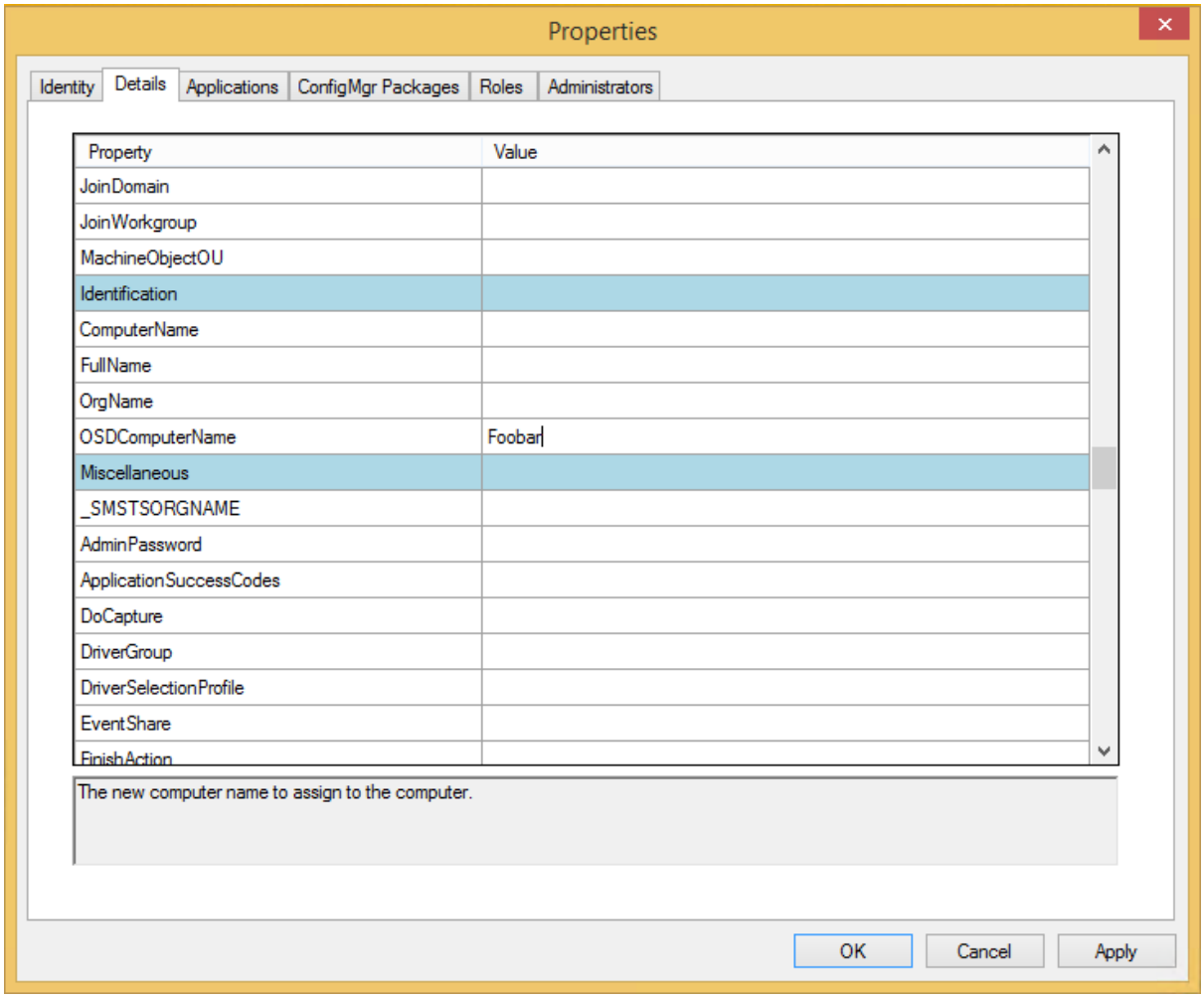

Configure DB Wizard
Make/Model Options
Computer Options
Location Options
Make/Model Options
Role Options
Summary
Progress
Confirmation
Several make and model-related queries can be added. Specify which should be configured.
Query for model-specific settings.
Query for roles assigned to computers with this make and model.
Query for applications to be installed on computers with this make and model.
Query for SMS packages to be installed on computers with this make and model.
Query for administrators to be assigned to machines with this make and model.
Select All
Deselect All
Previous
Next
Cancel

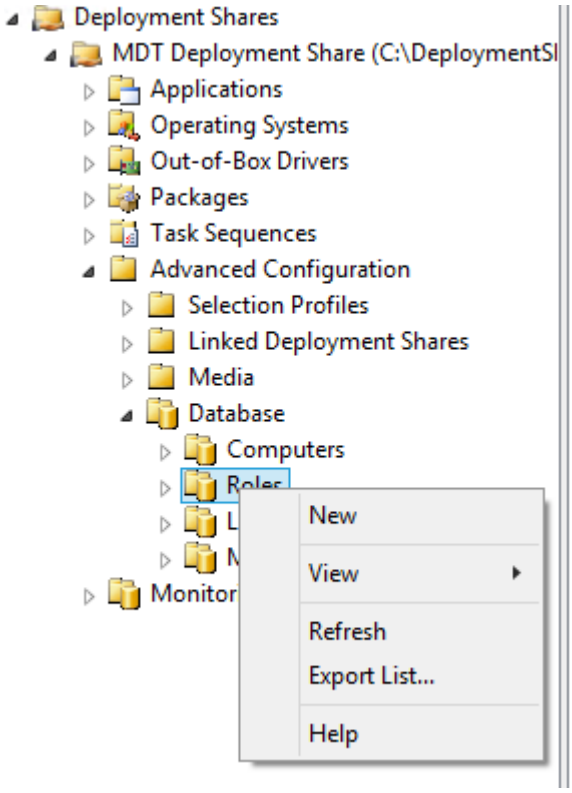

Configure DB Wizard
Role Options
Computer Options
Location Options
Make/Model Options
Role Options
Summary
Progress
Confirmation
Several role-related queries can be added. Specify which should be configured.
Query for role-specific settings.
Query for applications to be installed for this role.
Query for SMS packages to be installed for this role.
Query for administrators to be assigned for this role.
Select All
Deselect All
Previous
Next
Cancel

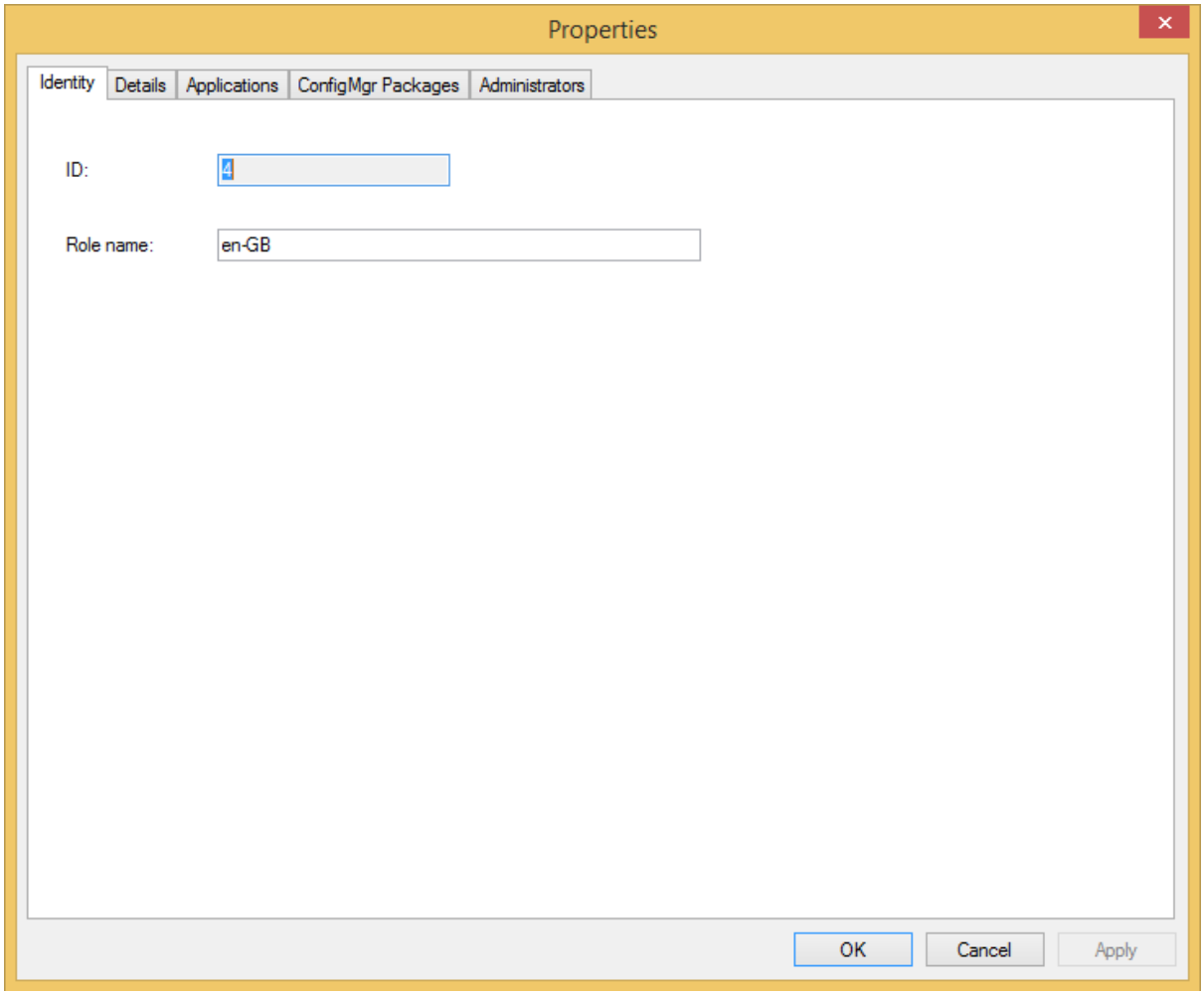

MDT Deployment Share (C:\DeploymentShare) Properties
General
Rules
Windows PE
Monitoring
[Settings]
Priority=CSettings, CPackages, CApps, CAdmins, CRoles, Locations, LSettings, LPackages, LApps, LAdmins, LRoles, MMSettings, MMPackages, MMApps, MMAdmins, MMRoles, RSettings, RPackages, RApps, RAdmins, Default
Properties=MyCustomProperty
[Default]
OSInstall=Y
SkipCapture=NO
SkipAdminPassword=YES
SkipProductKey=YES
SkipComputerBackup=NO
SkipBitLocker=NO
[CSettings]
SQLServer=MDTSERVER.testlab.local
Instance=ADK
Database=MDT
Netlib=DBNMPNTW
SQLShare=NamedPipes$
Table=ComputerSettings
Parameters=UUID, AssetTag, SerialNumber, MacAddress
ParameterCondition=OR
[CPackages]
SQLServer=MDTSERVER.testlab.local
Instance=ADK
Database=MDT
Netlib=DBNMPNTW
SQLShare=NamedPipes$
Table=ComputerPackages
Parameters=UUID, AssetTag, SerialNumber, MacAddress
Edit Bootstrap.ini
OK
Cancel
Apply
Help

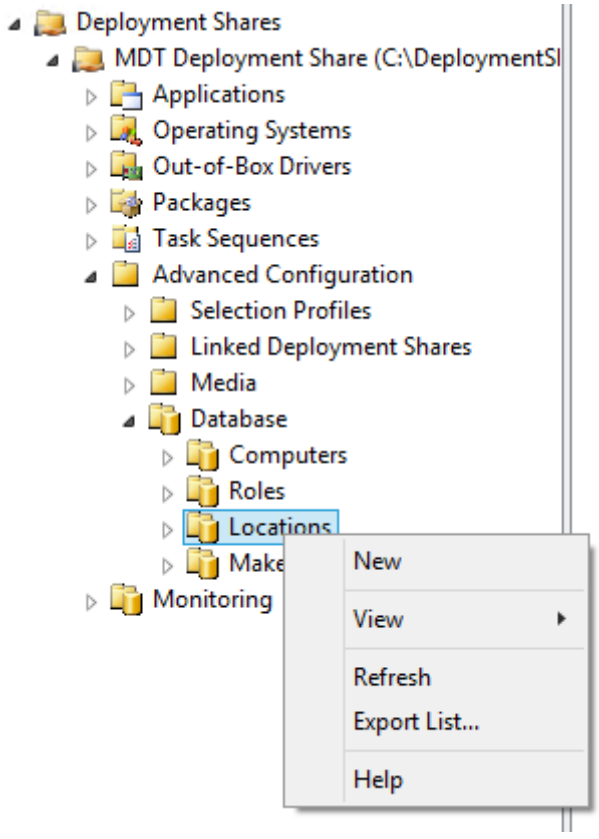

Deployment Shares
MDT Deployment Share (C:\DeploymentS
Applications
Operating Systems
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Selection Profiles
Linked Deployment Shares
Media
Database
Roles
Monitoring
New
View
Refresh
Export List...
Help

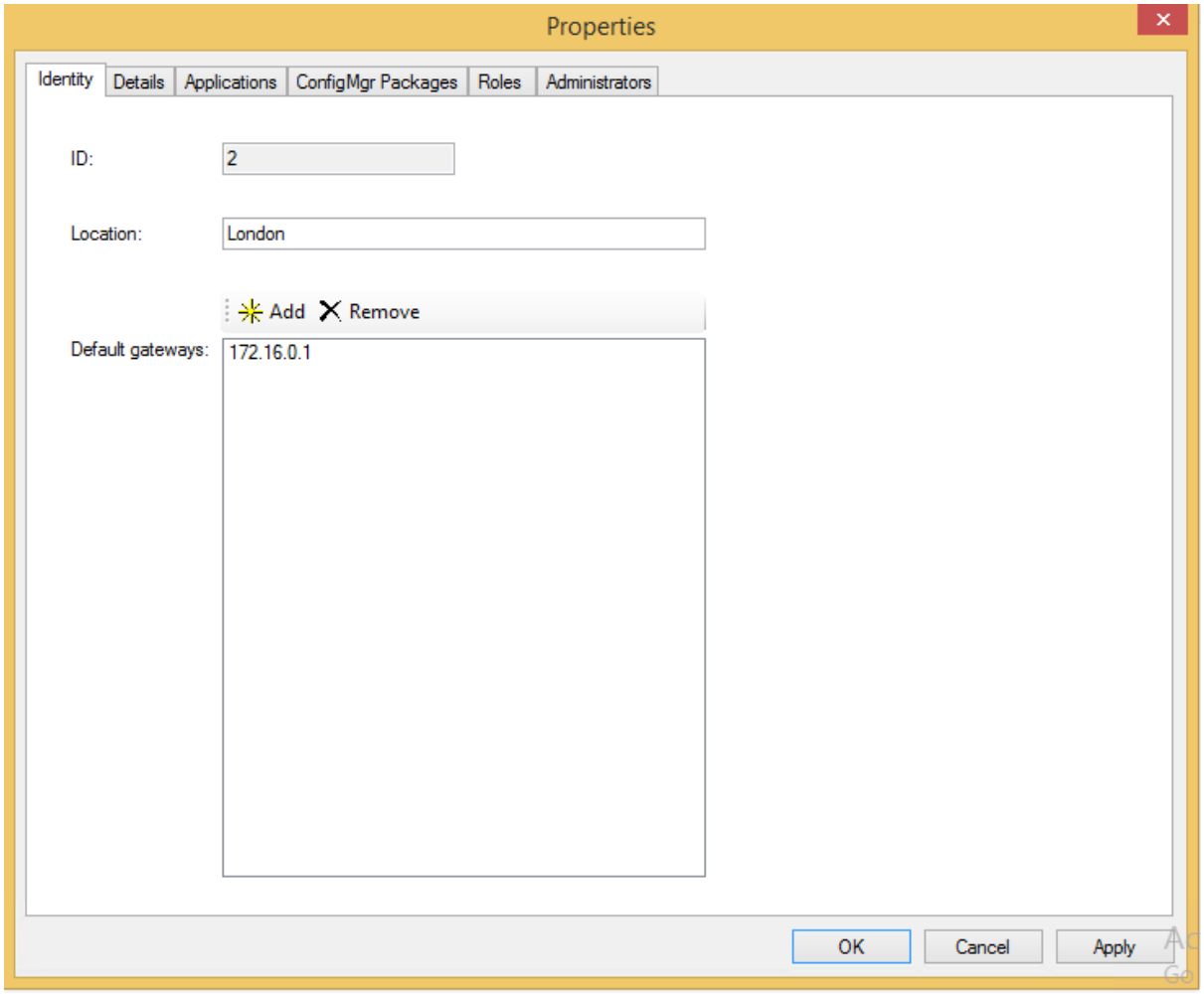

Properties
Identity
Details
Applications
ConfigMgr Packages
Roles
Administrators
ID:
2
Description:
Foobar
(optional)
Identification values (specify at least one):
Asset tag:
UUID:
F81D4FAE-7DEC-11D0-A765-00A0C91E6BF6
Serial number:
MAC address:
01:23:45:67:89:AB
OK
Cancel
Apply

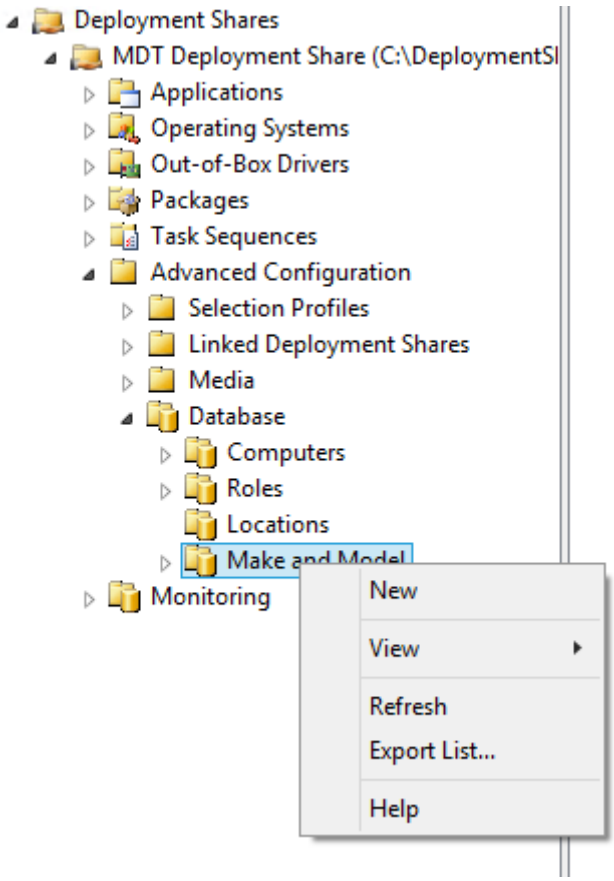

Properties
Identity
Details
Applications
ConfigMgr Packages
Roles
Administrators
Property
Value
JoinDomain
JoinWorkgroup
MachineObjectOU
Identification
ComputerName
FullName
OrgName
OSDComputerName
Foobar
Miscellaneous
_SMSTSORGNAME
AdminPassword
ApplicationSuccessCodes
DoCapture
DriverGroup
DriverSelectionProfile
EventShare
FinishAction
The new computer name to assign to the computer.
OK
Cancel
Apply

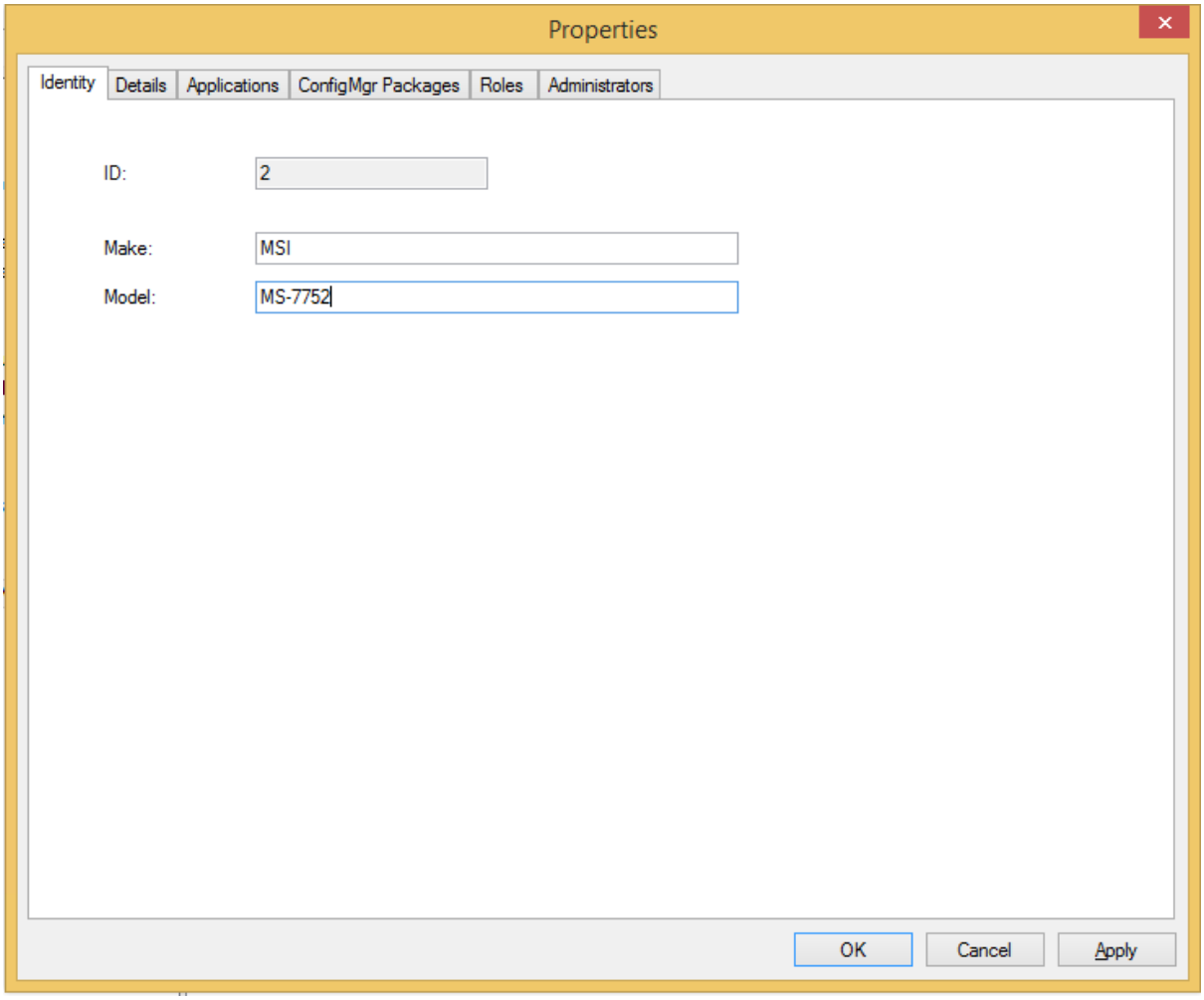

Deployment Shares
MDT Deployment Share (C:\DeploymentSl
Applications
Operating Systems
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Selection Profiles
Linked Deployment Shares
Media
Database
Computers
Roles
Monitor
New
View
Refresh
Export List...
Help

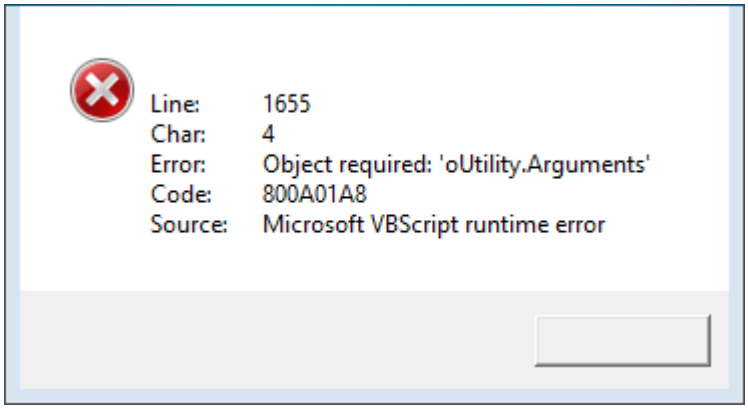

Properties
Identity
Details
Applications
ConfigMgr Packages
Administrators
ID:
4
Role name:
en-GB
OK
Cancel
Apply


Deployment Shares
MDT Deployment Share (C:\DeploymentSl
Applications
Operating Systems
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Selection Profiles
Linked Deployment Shares
Media
Database
Computers
Roles
Locations
Make
Monitoring
New
View
Refresh
Export List...
Help


Properties
Identity
Details
Applications
ConfigMgr Packages
Roles
Administrators
ID:
2
Location:
London
Add
Remove
Default gateways:
172.16.0.1
OK
Cancel
Apply


Deployment Shares
MDT Deployment Share (C:\DeploymentSl
Applications
Operating Systems
Out-of-Box Drivers
Packages
Task Sequences
Advanced Configuration
Selection Profiles
Linked Deployment Shares
Media
Database
Computers
Roles
Locations
Make and Model
Monitoring
New
View
Refresh
Export List...
Help




```
C:\Users\Manuel>wmic csproduct get vendor,name
Name      Vendor
MS-7752   MSI
```

Appendix: Additional Enterprise Configuration Items