

# Microsoft Deployment Toolkit

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# MDT Prerequisites

- Microsoft Deployment Tool Kit (MDT) Windows 10
  - v. 6.3.8330.100
- Windows Assessment and Deployment Kit (Windows ADK) Windows 10
  - Note: Make sure the ADK version is paired with the appropriate MDT version or the Deployment workbench will not run
- All MDT and ADK install files are located at <https://zebra.app.box.com/files/0/f/8324200277/MDT>

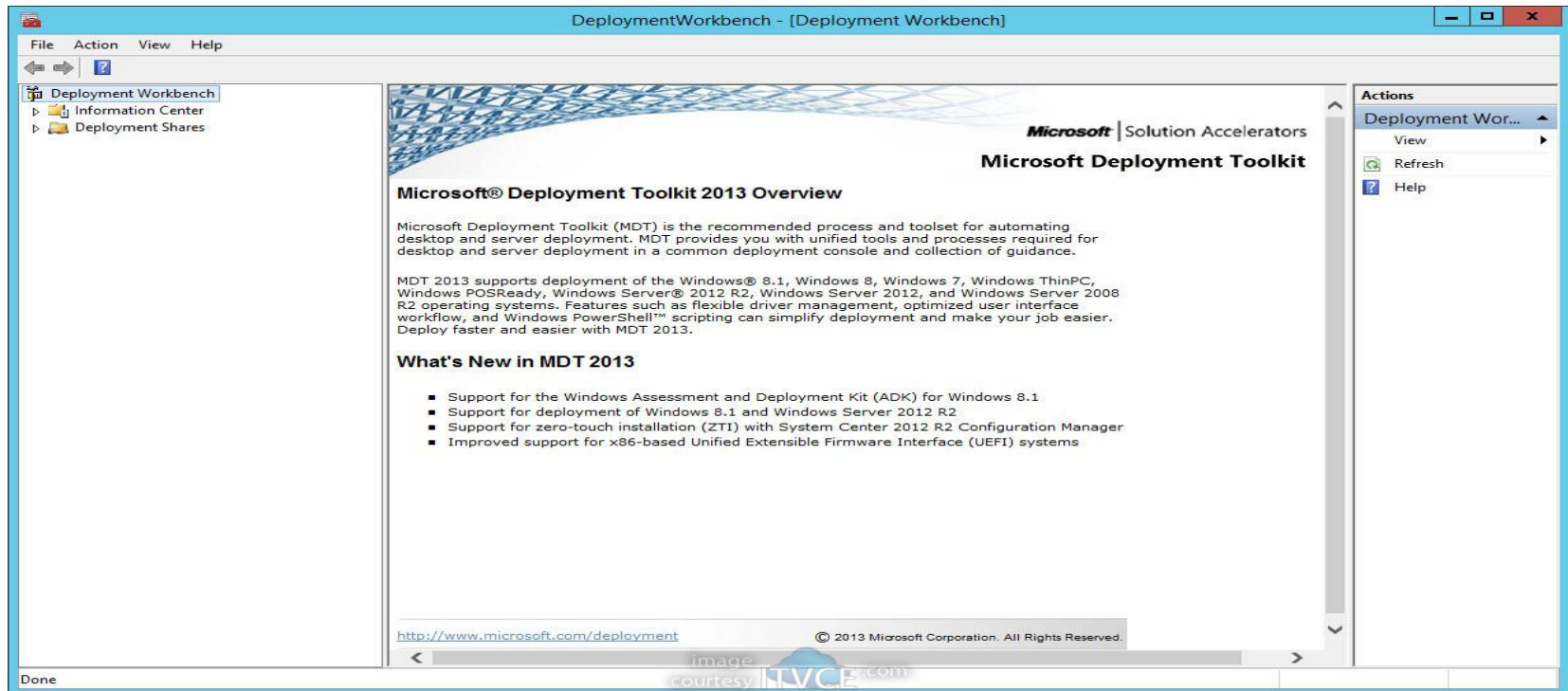
# MDT Prerequisites

- Deployment Share for Import is located on Box:
  - WIN10-ZEBRA-R1.0-00X-X64-DeploymentShare (1)
- MDT Components for building a Deployment Share from Scratch is located on Box:
  - WIN10-ZEBRA-R1.0-00X-X64-Components

Contact Katyayani D[ [JBNO43@zebra.com](mailto:JBNO43@zebra.com)]  
for latest release of these components.

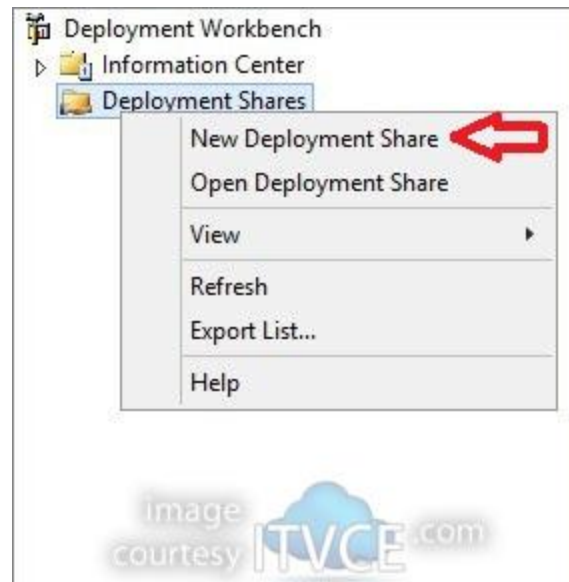
# Building a Deployment Share

- Launch Deployment Workbench (Read the overview)



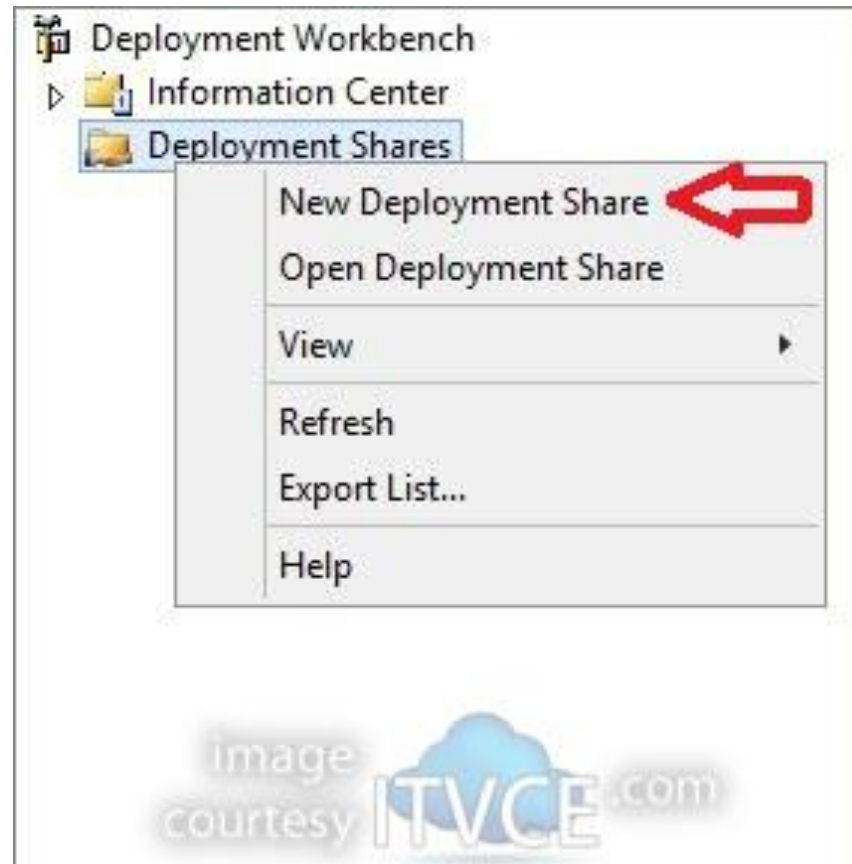
# Configure New Deployment Share

- Right click **Deployment Shares** in the left navigation and select **New Deployment Share**



# Configure New Deployment Share

- Change the deployment share path



# Configure New Deployment Share

- Set Deployment Share Name

New Deployment Share Wizard

**Share**

Path  
Share  
Descriptive Name  
Options  
Summary  
Progress  
Confirmation

Specify the share name to be used with the specified local path. If the share already exists on this computer, it must point to the path specified for this deployment share.

Share name:

Full path UNC path: \\WS12R2MDT01\\DeploymentShare\$

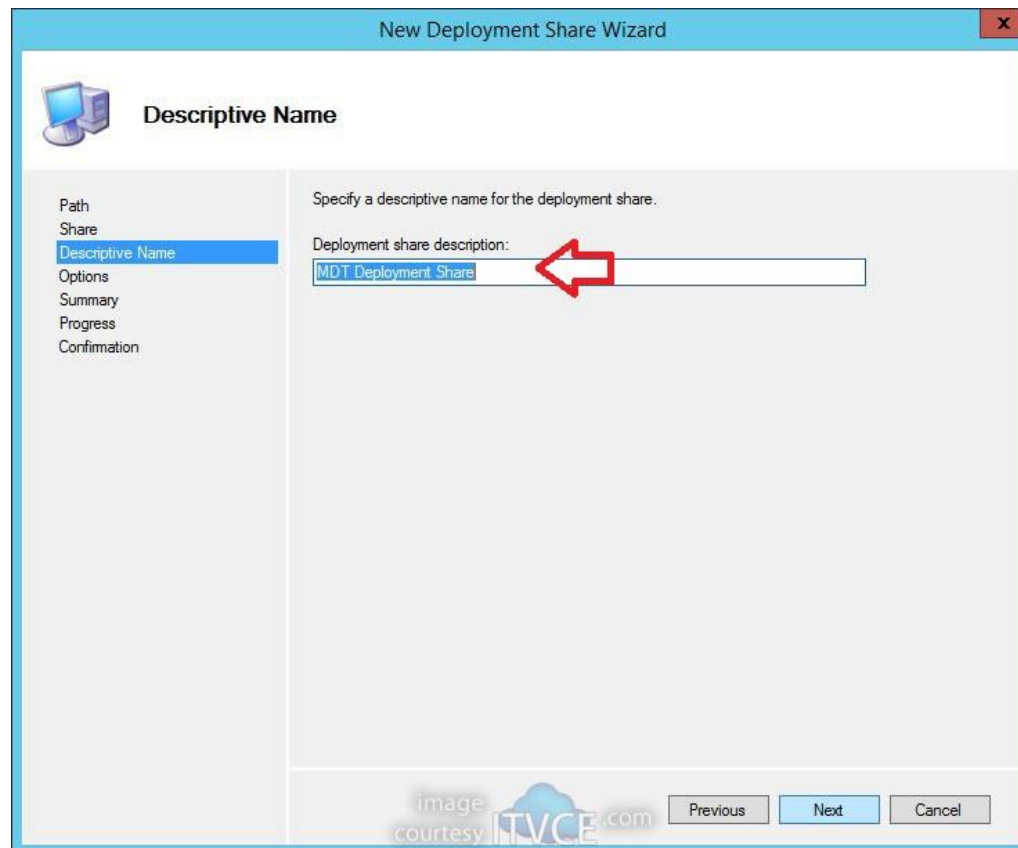
image courtesy ITVCE.com

Previous Next Cancel



# Configure New Deployment Share

- Set Deployment Share Description



The screenshot shows the 'New Deployment Share Wizard' window. The title bar reads 'New Deployment Share Wizard'. On the left, a list of steps includes 'Path', 'Share', 'Descriptive Name' (which is highlighted), 'Options', 'Summary', 'Progress', and 'Confirmation'. The main area is titled 'Descriptive Name' and contains the instruction 'Specify a descriptive name for the deployment share.' Below this, there is a label 'Deployment share description:' followed by a text input field. The input field contains the text 'MDT Deployment Share'. A red arrow points to the input field. At the bottom of the window, there are three buttons: 'Previous', 'Next', and 'Cancel'. A watermark 'image courtesy ITVCE.com' is visible at the bottom center.

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:

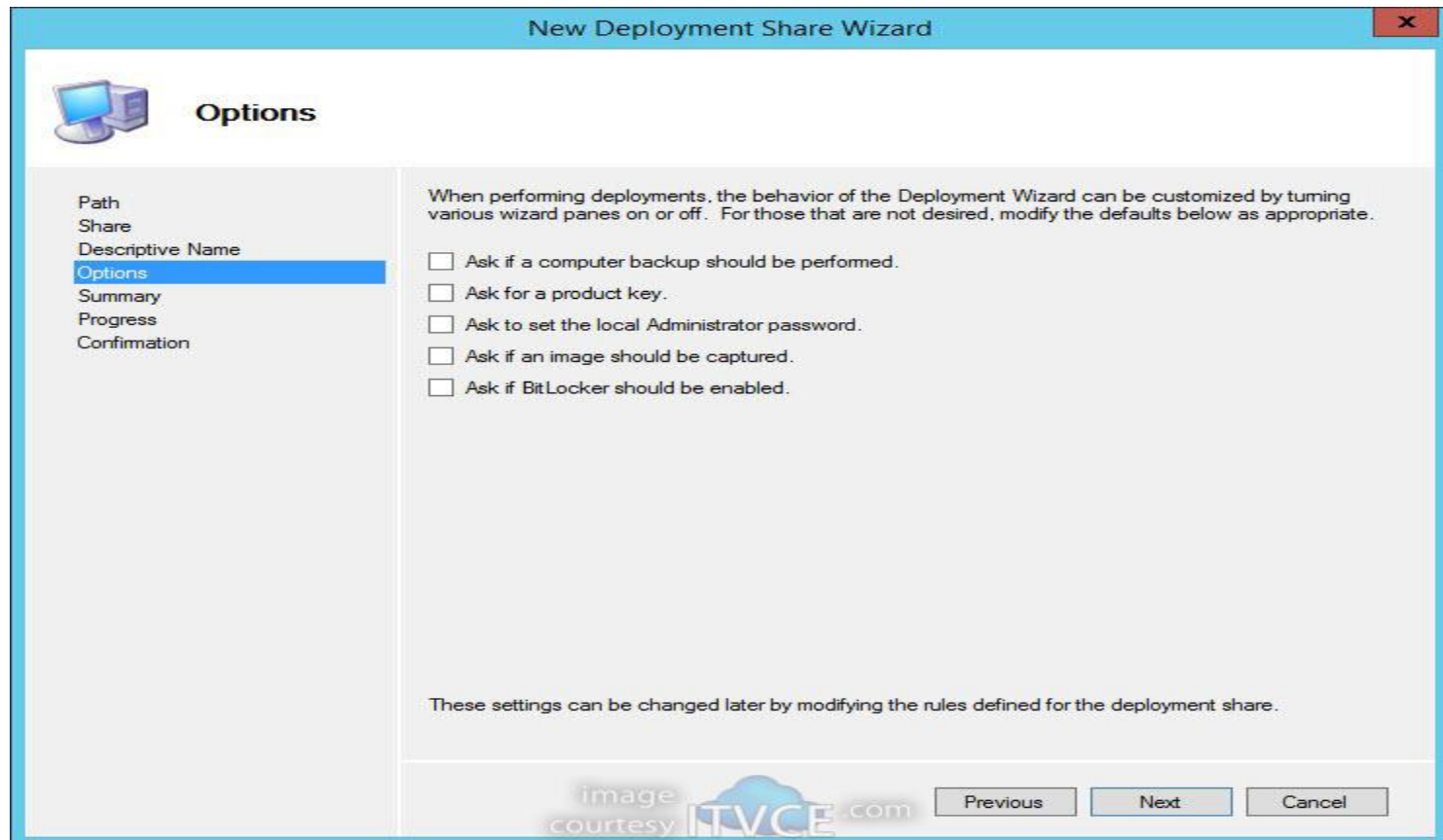
MDT Deployment Share

Previous Next Cancel

image courtesy ITVCE.com

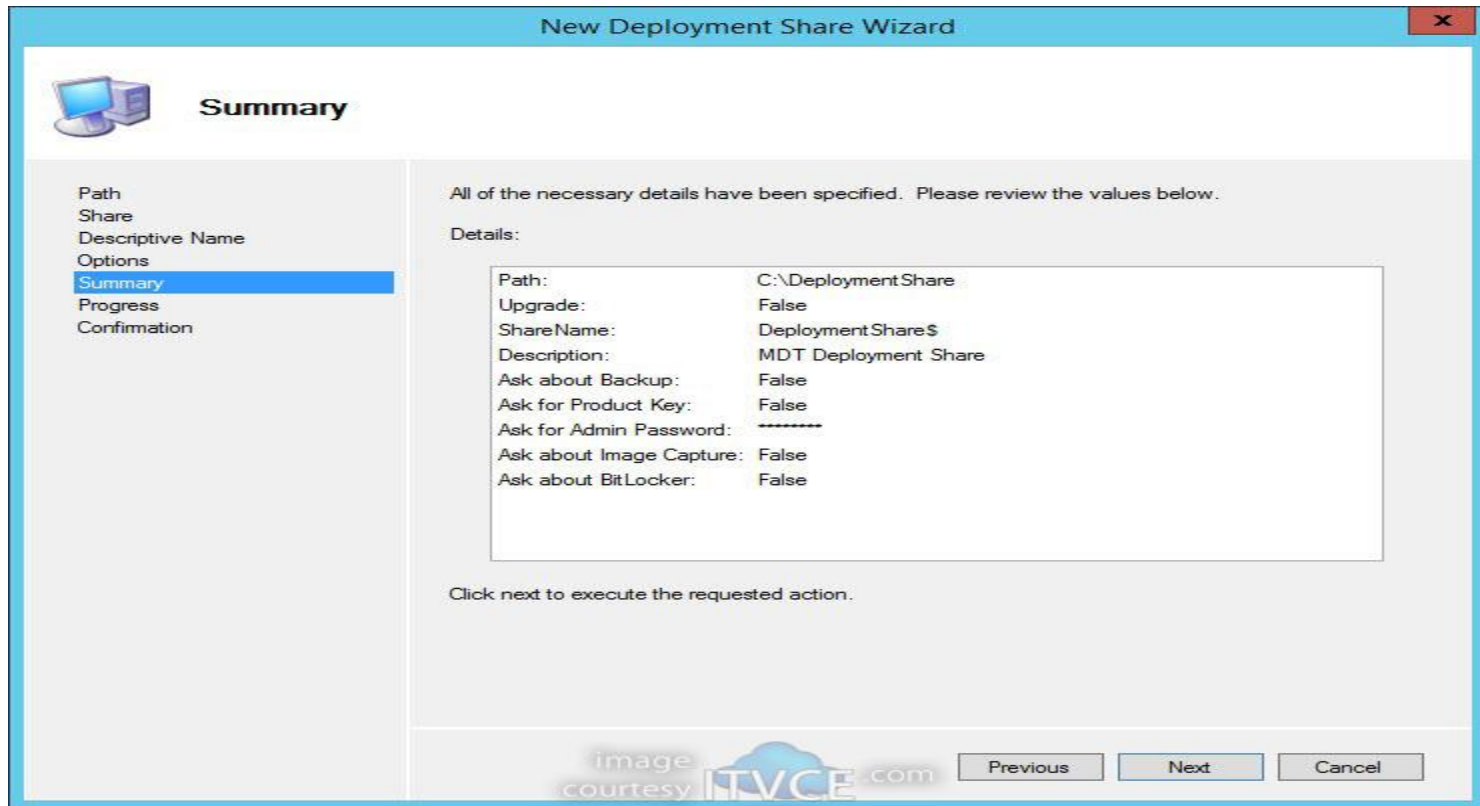
# Configure New Deployment Share

- Set deployment Share Options



# Configure New Deployment Share

- Review Summary



The screenshot shows the 'New Deployment Share Wizard' window, specifically the 'Summary' step. The window has a blue title bar and a sidebar on the left with icons for Path, Share, Descriptive Name, Options, Summary (highlighted), Progress, and Confirmation. The main area displays a summary of the configuration details.

**New Deployment Share Wizard**

**Summary**

All of the necessary details have been specified. Please review the values below.

Details:

Path:	C:\DeploymentShare
Upgrade:	False
ShareName:	DeploymentShare\$
Description:	MDT Deployment Share
Ask about Backup:	False
Ask for Product Key:	False
Ask for Admin Password:	-----
Ask about Image Capture:	False
Ask about BitLocker:	False

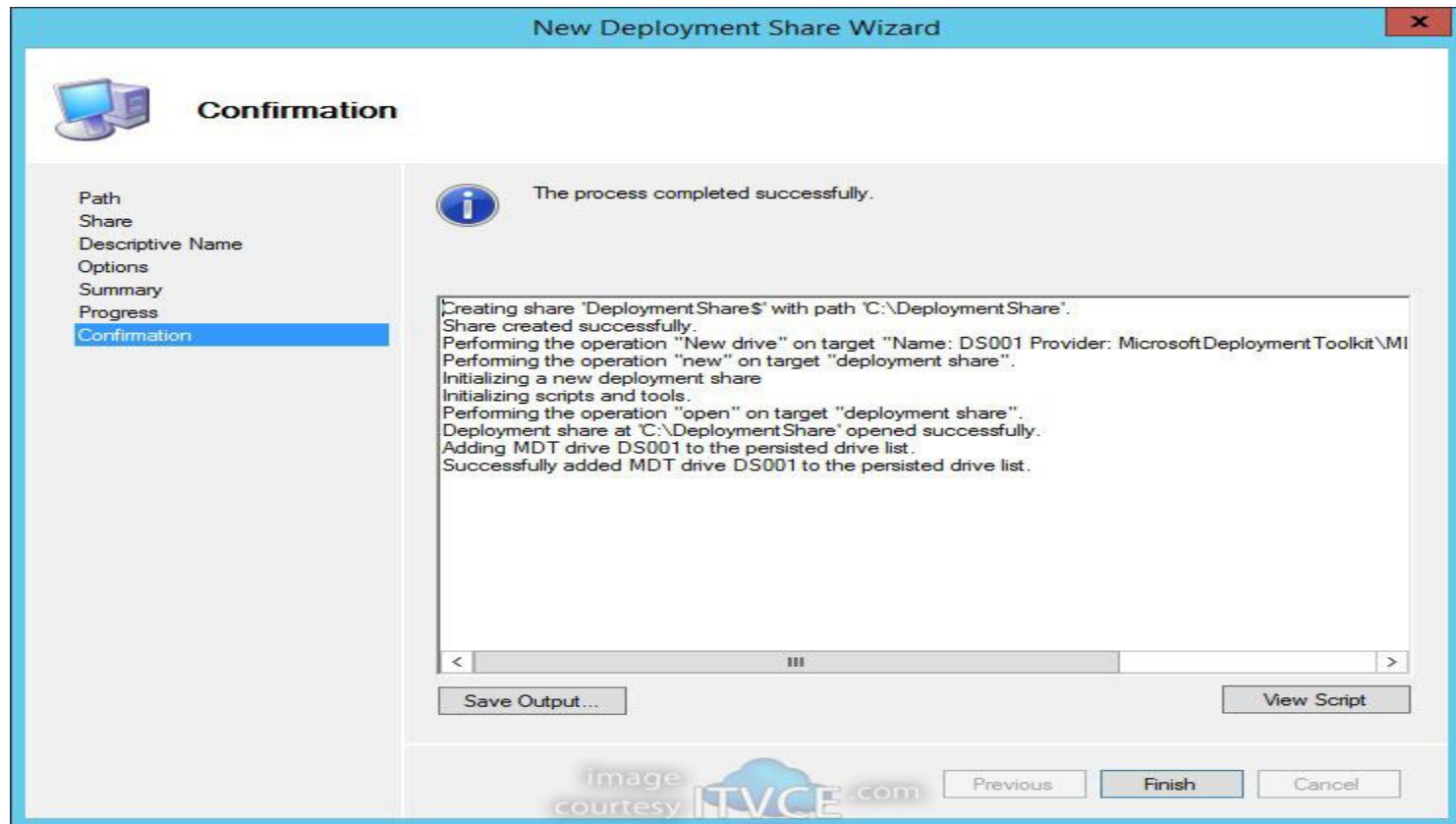
Click next to execute the requested action.

image courtesy ITVCE.com

Previous Next Cancel

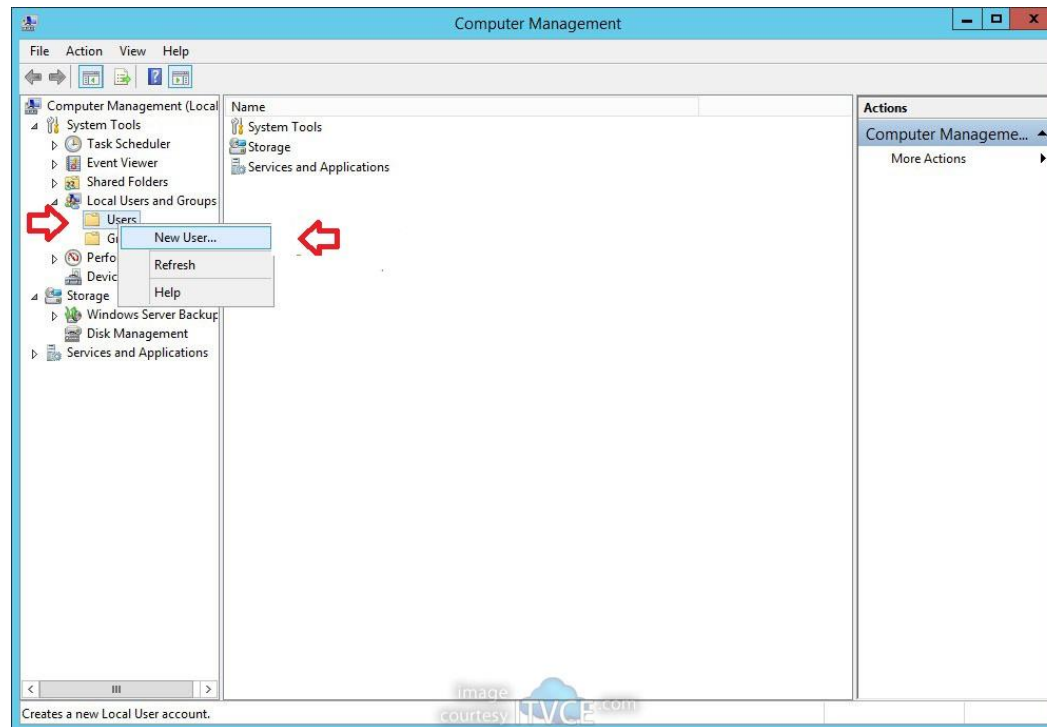
# Configure New Deployment Share

- Finish and Generate



# MDT Service Account

- Go to **Computer Management**. Expand **Local Users and Groups** and right click **Users** to select **New User**:



# MDT Service Account

- Create Local User and set password to “Never expires”

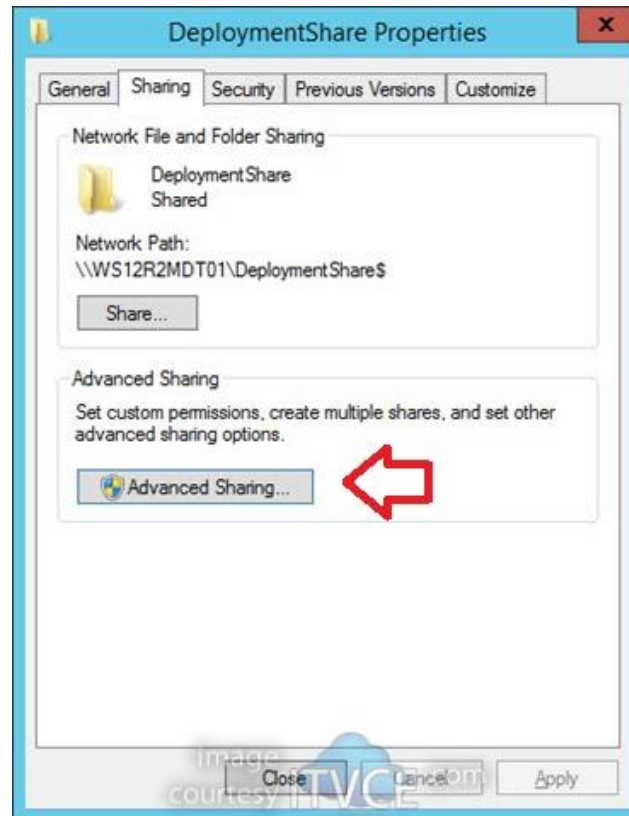
The screenshot shows the 'New User' dialog box with the following fields and options:

- User name: MDT
- Full name: (empty)
- Description: (empty)
- Password: (masked with dots)
- Confirm password: (masked with dots)
- ☐ User must change password at next logon
- ☐ User cannot change password
- ☒ Password never expires
- ☐ Account is disabled

Buttons at the bottom: Help, Create, Close. A watermark 'image courtesy ITVCE' is visible over the bottom buttons.

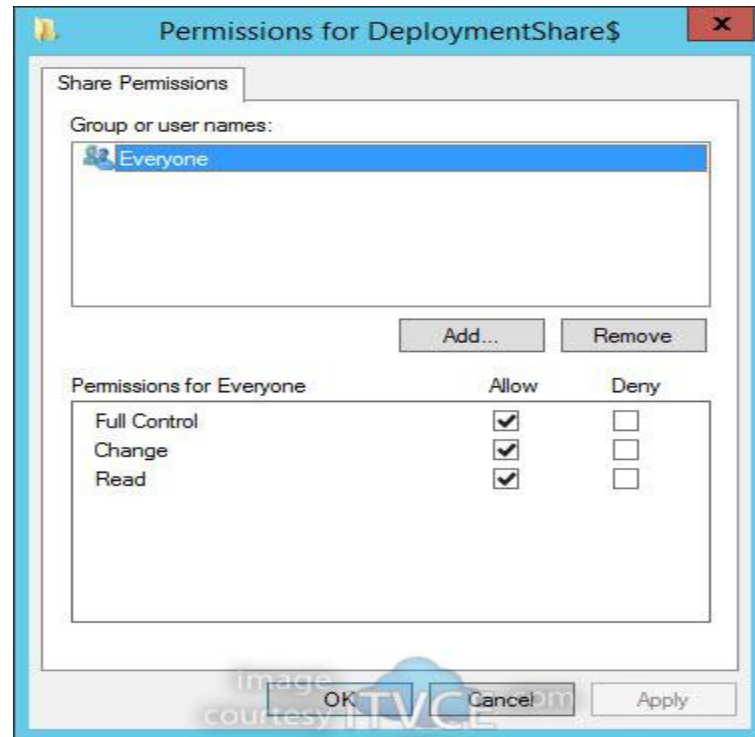
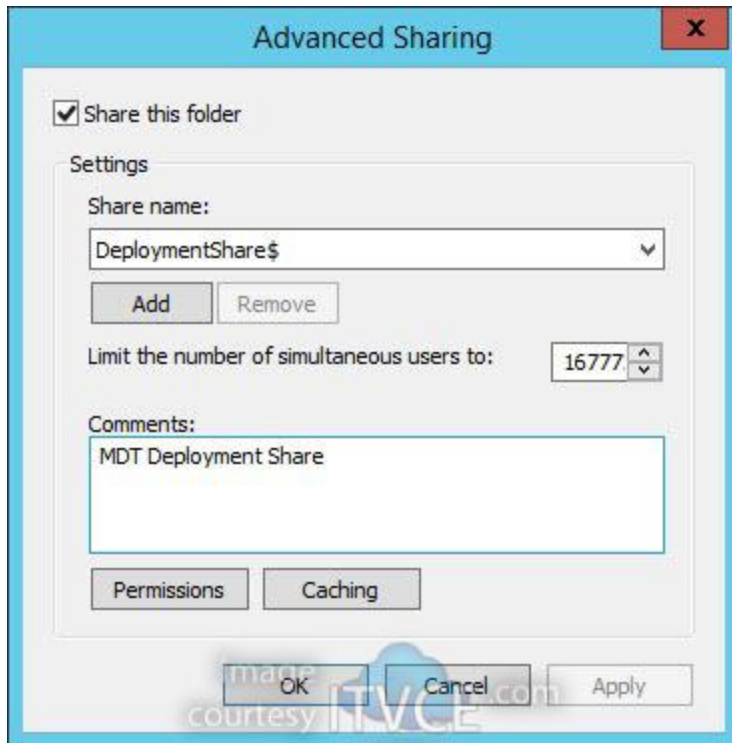
# Deployment Share Properties

- Identify Share Folder Right Click



# Deployment Share Properties

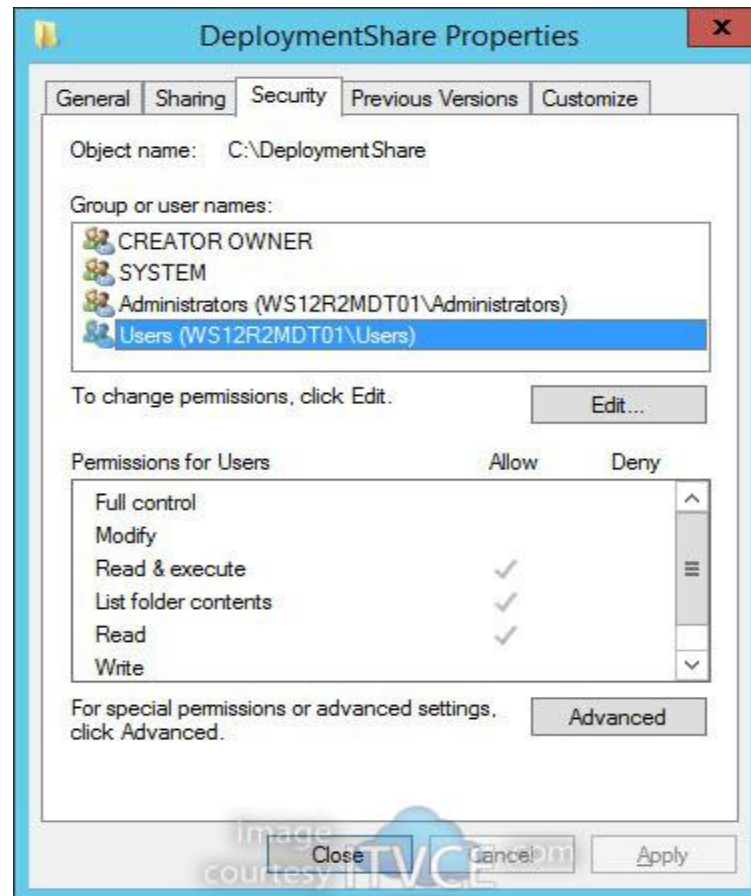
- Set Permission





# Deployment Share Properties

- Click Security Tab and review permissions

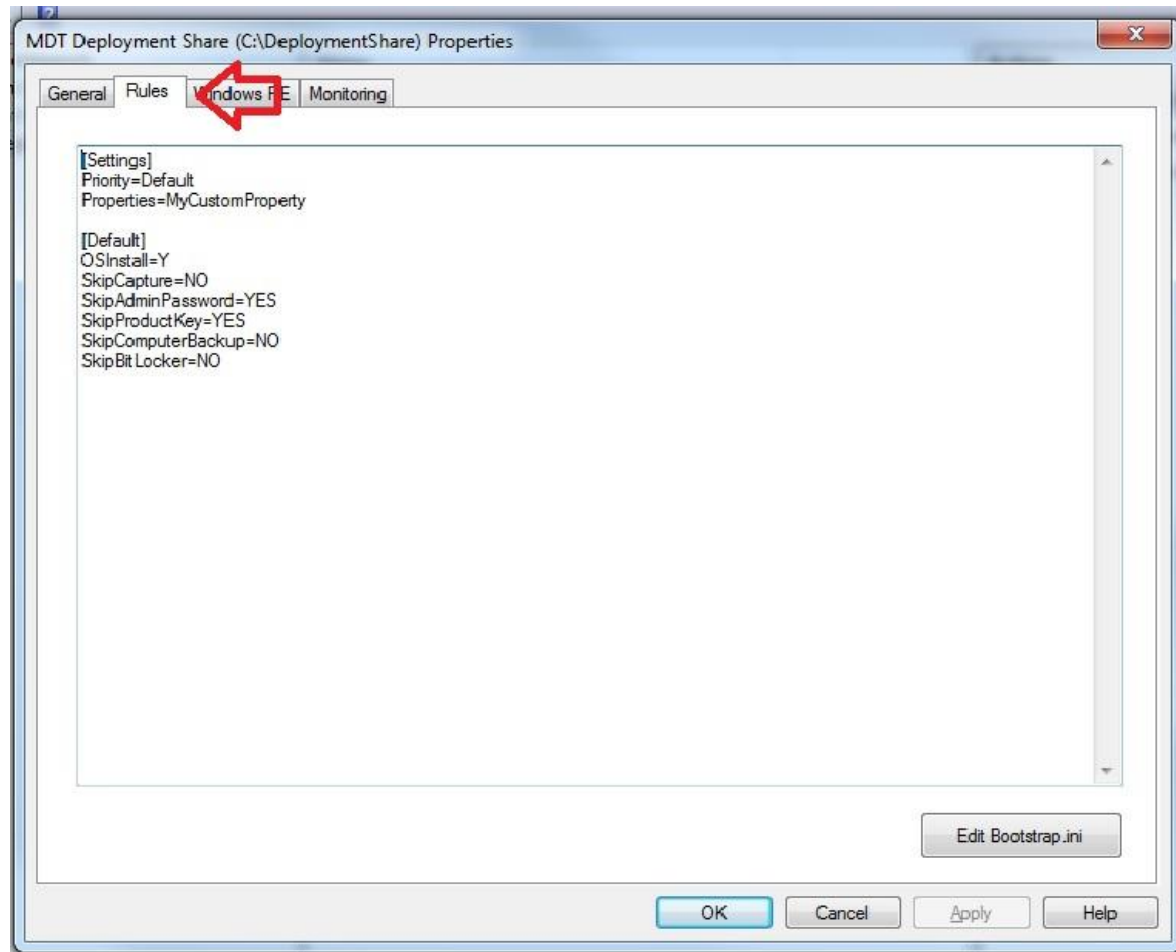


# Set Deployment Share Rules

- Set share Rules

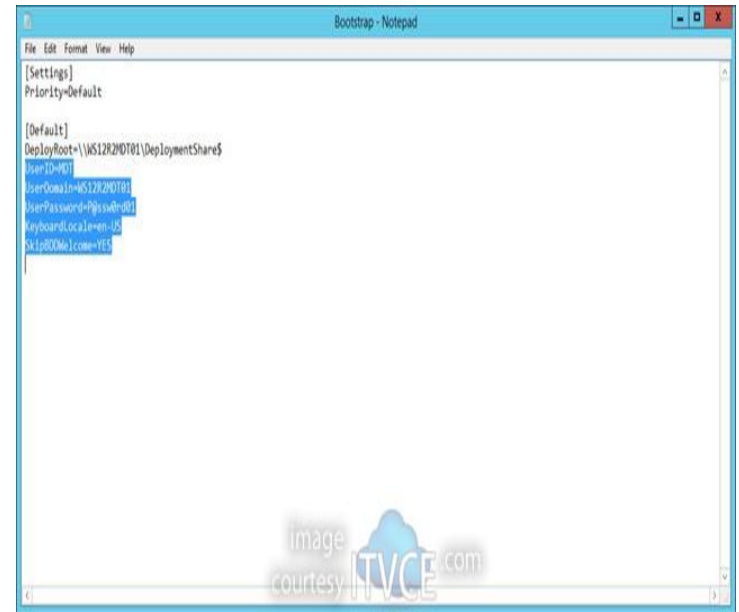


# Set Deployment Share Rules



# Set Deployment Share Rules

- Edit Boot.ini
- Remove:
  - UserID=MDT  
UserDomain=WS12R2MDT01  
UserPassword=P@ssw0rd01  
KeyboardLocale=en-US  
SkipBDDWelcome=YES
- Save the file to Deployment Share

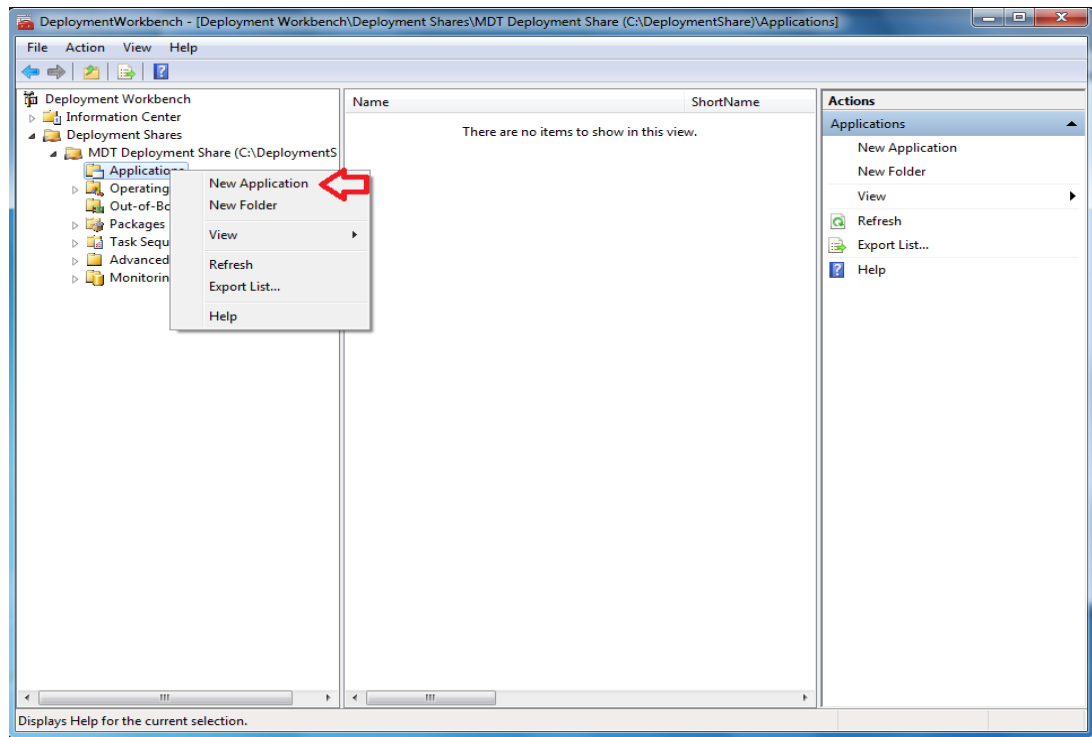


```
File Edit Format View Help
[Settings]
Priority=Default

[Default]
DeployRoot=\\WS12R2MDT01\DeploymentShare$
UserID=MDT
UserDomain=WS12R2MDT01
UserPassword=P@ssw0rd01
KeyboardLocale=en-US
SkipBDDWelcome=YES
```

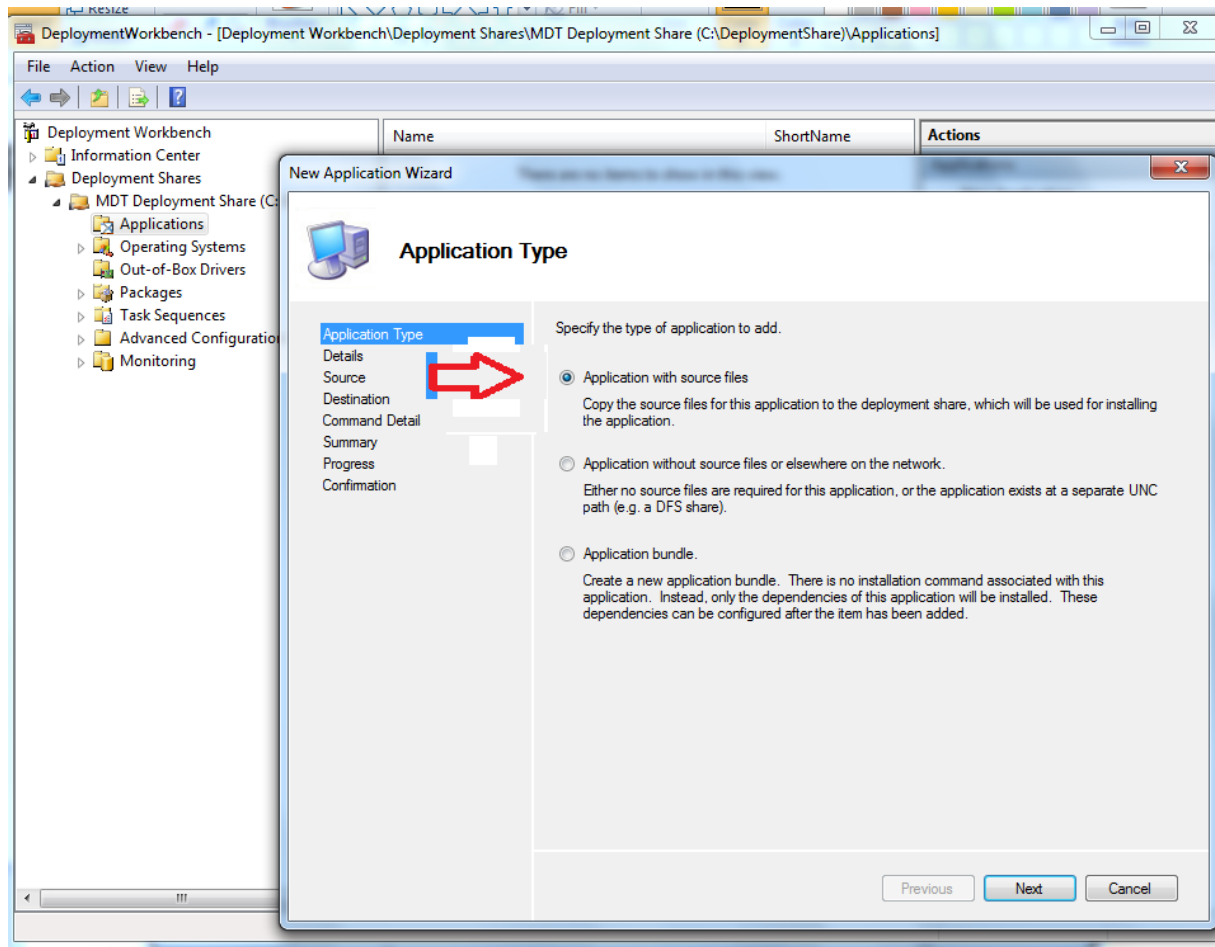
# Import Applications

- In the Deployment workbench go to the Deployment share and then New Applications



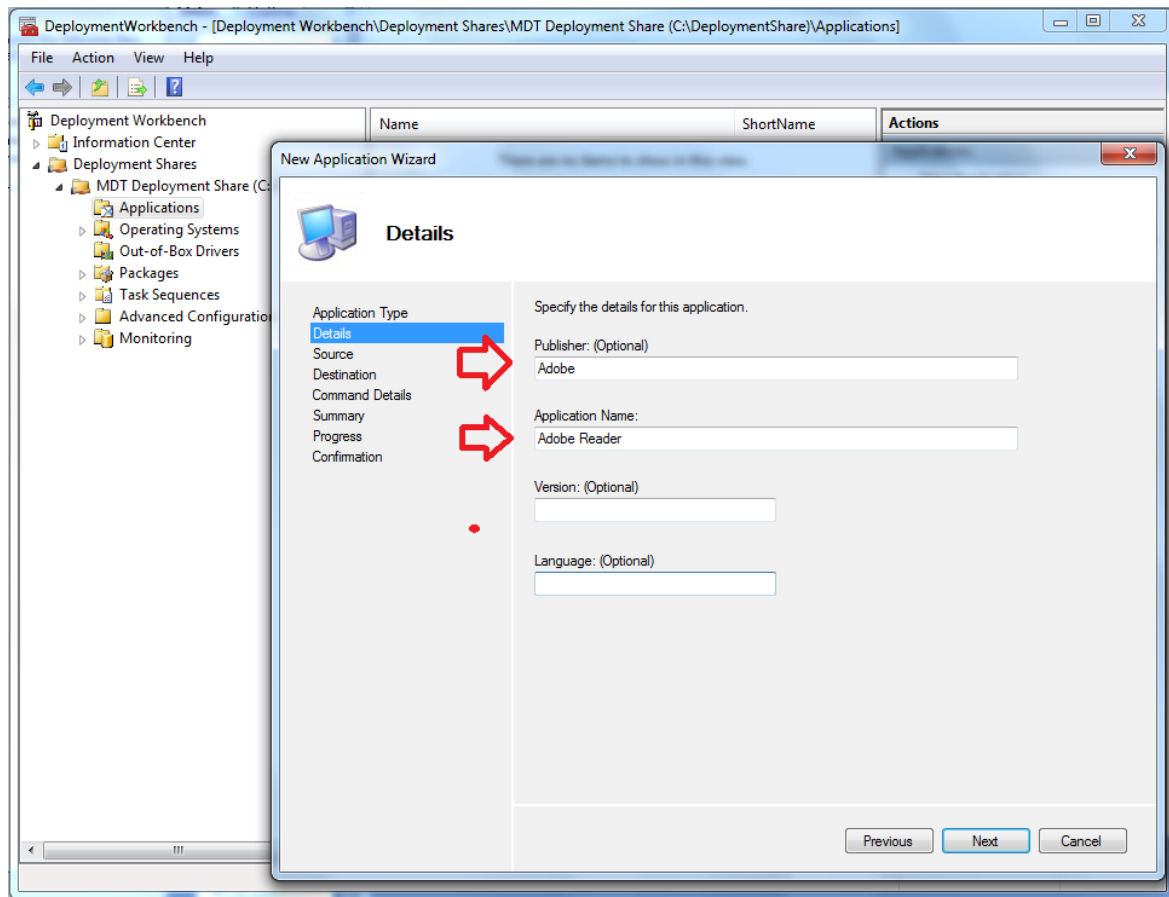
# Import Applications

- Set application type



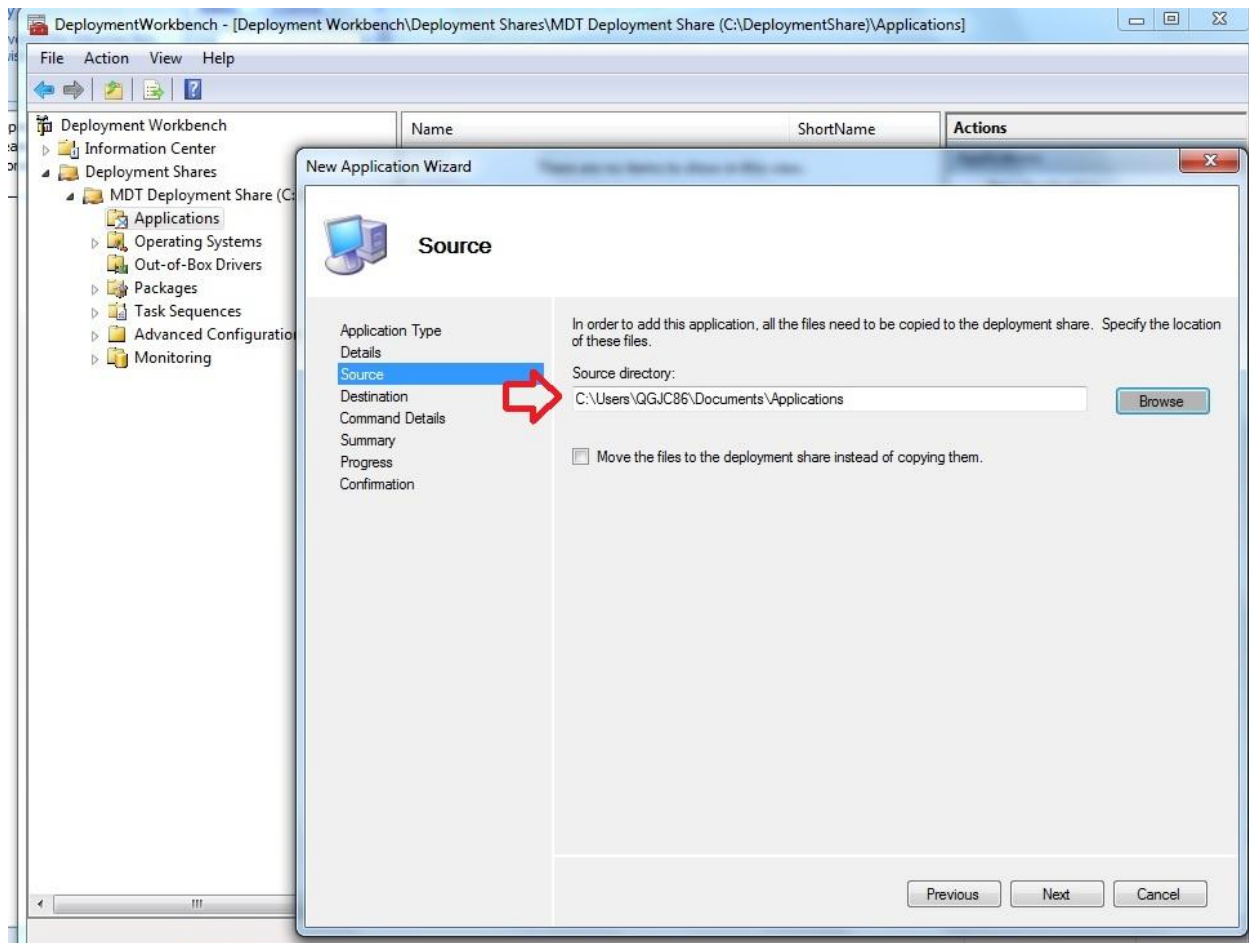
# Import Applications

- Set application details



# Import Applications

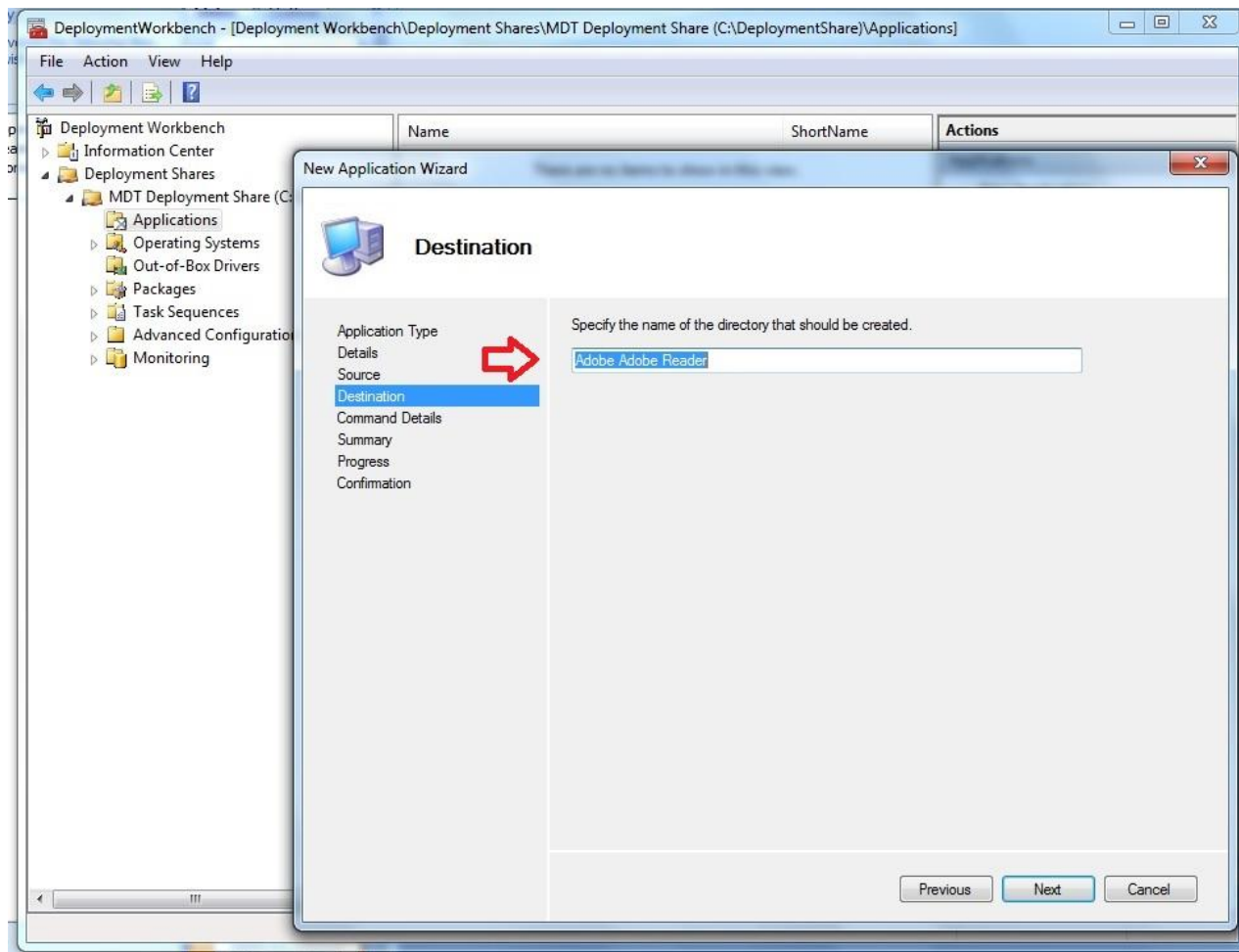
- Set application source





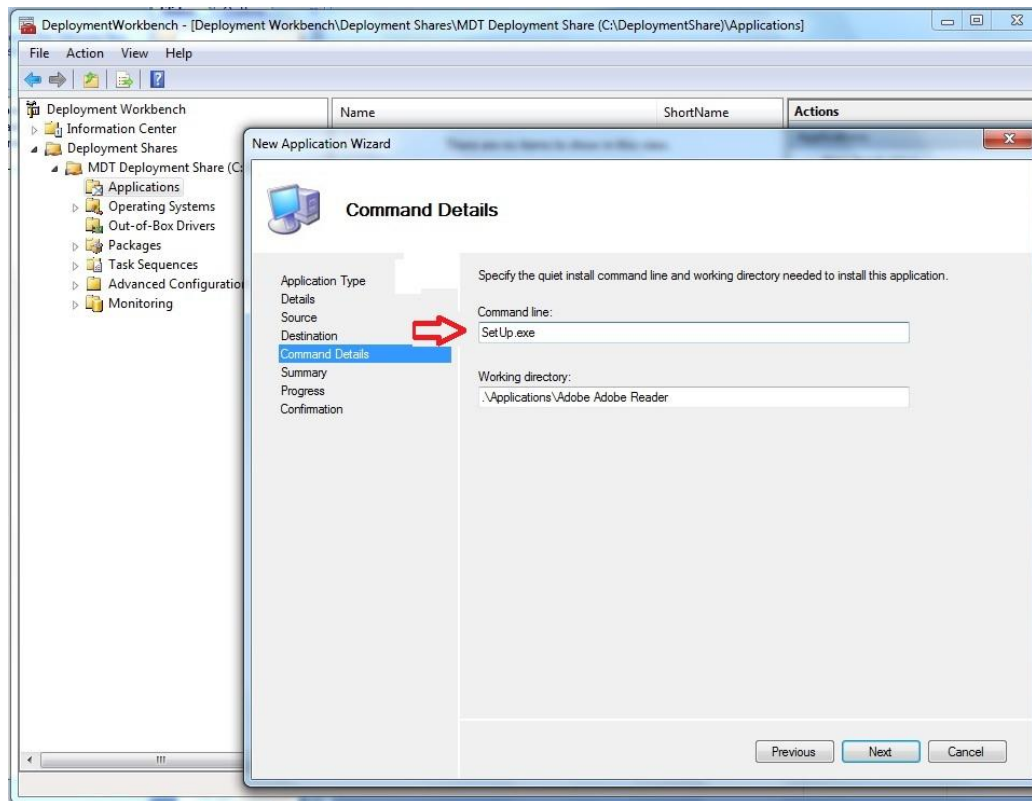
# Import Applications

- Set Destination directory



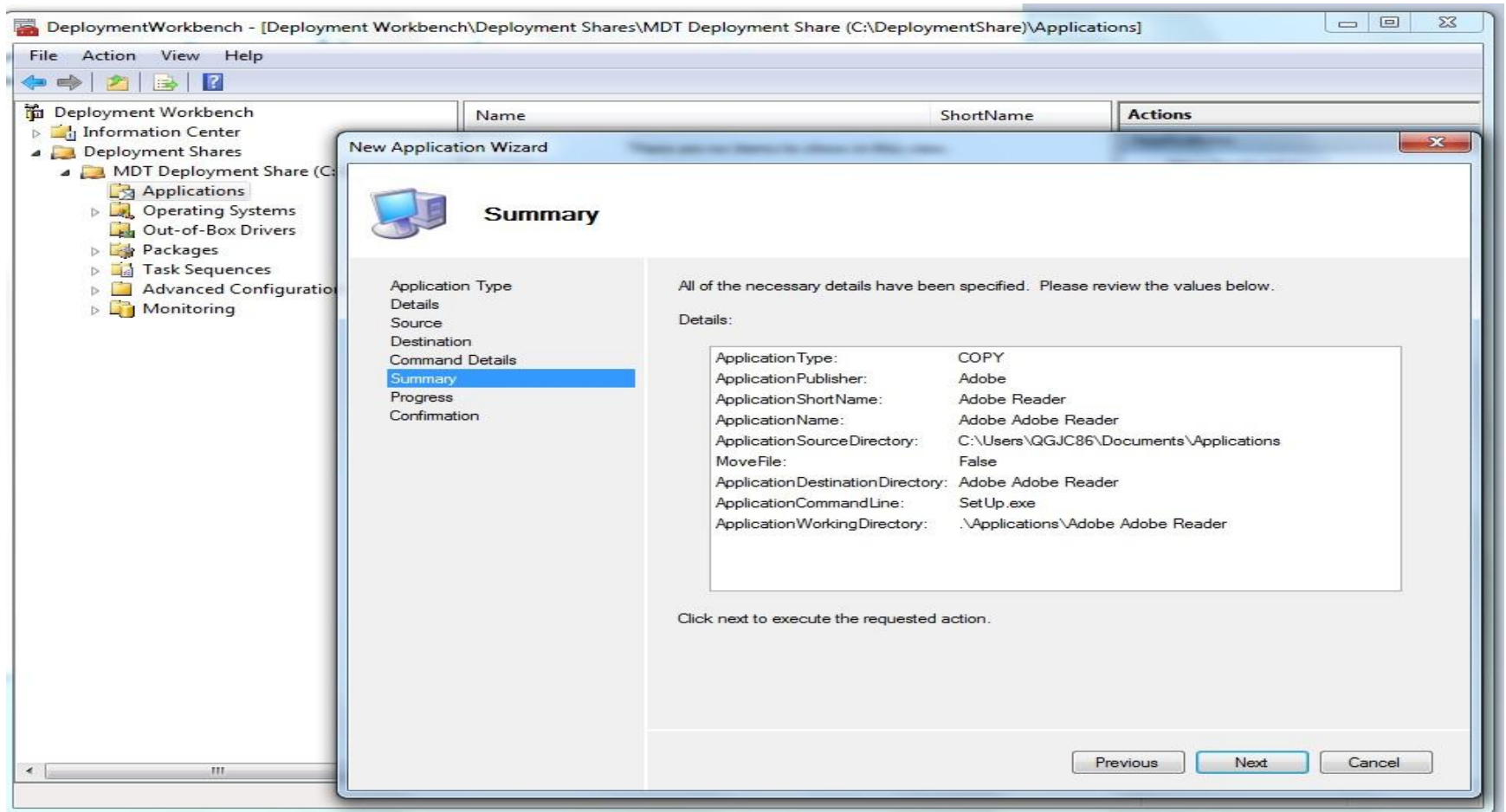
# Import Applications

- Set Command Line instructions to install application on target host/Hosts



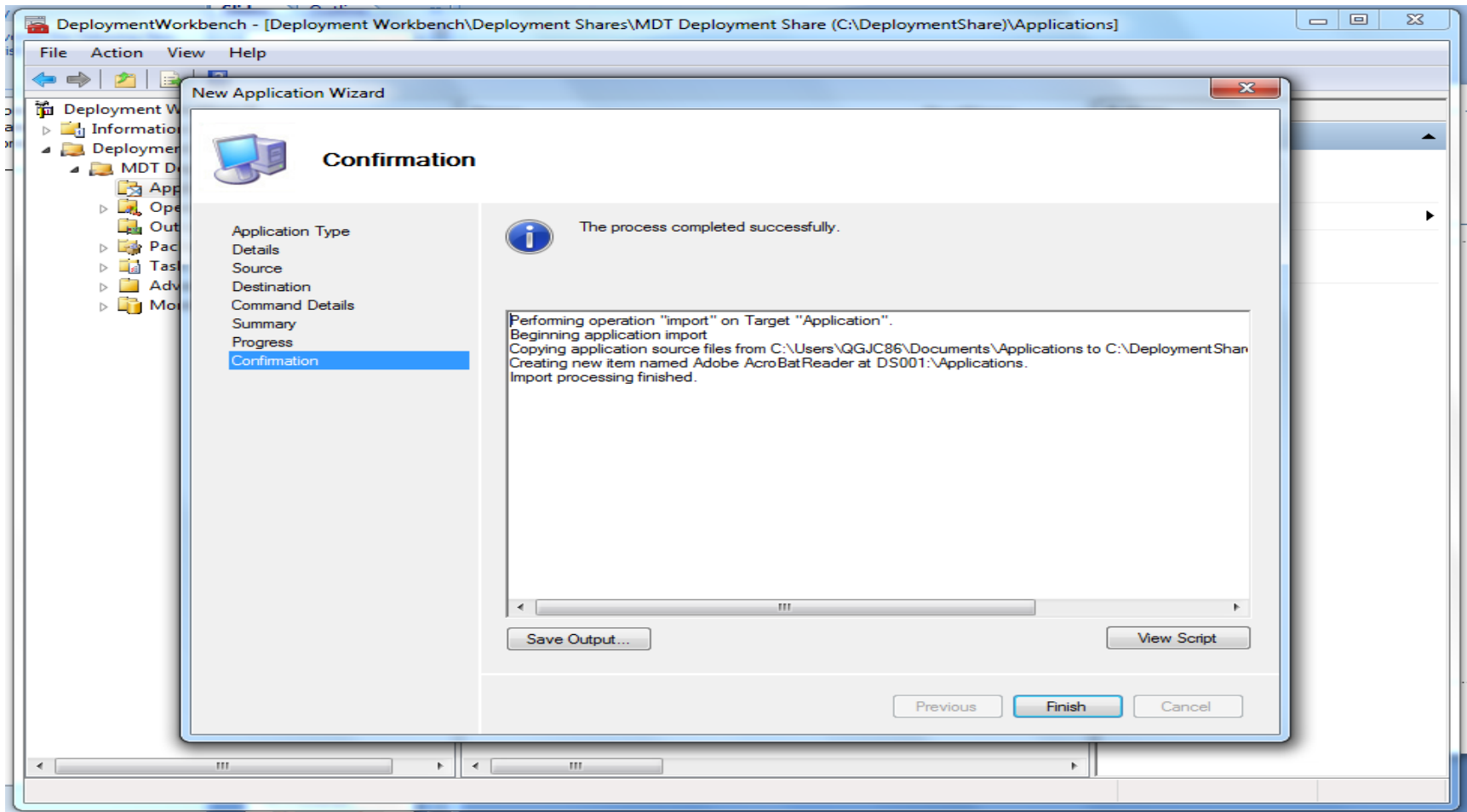
# Import Applications

- Review application summary



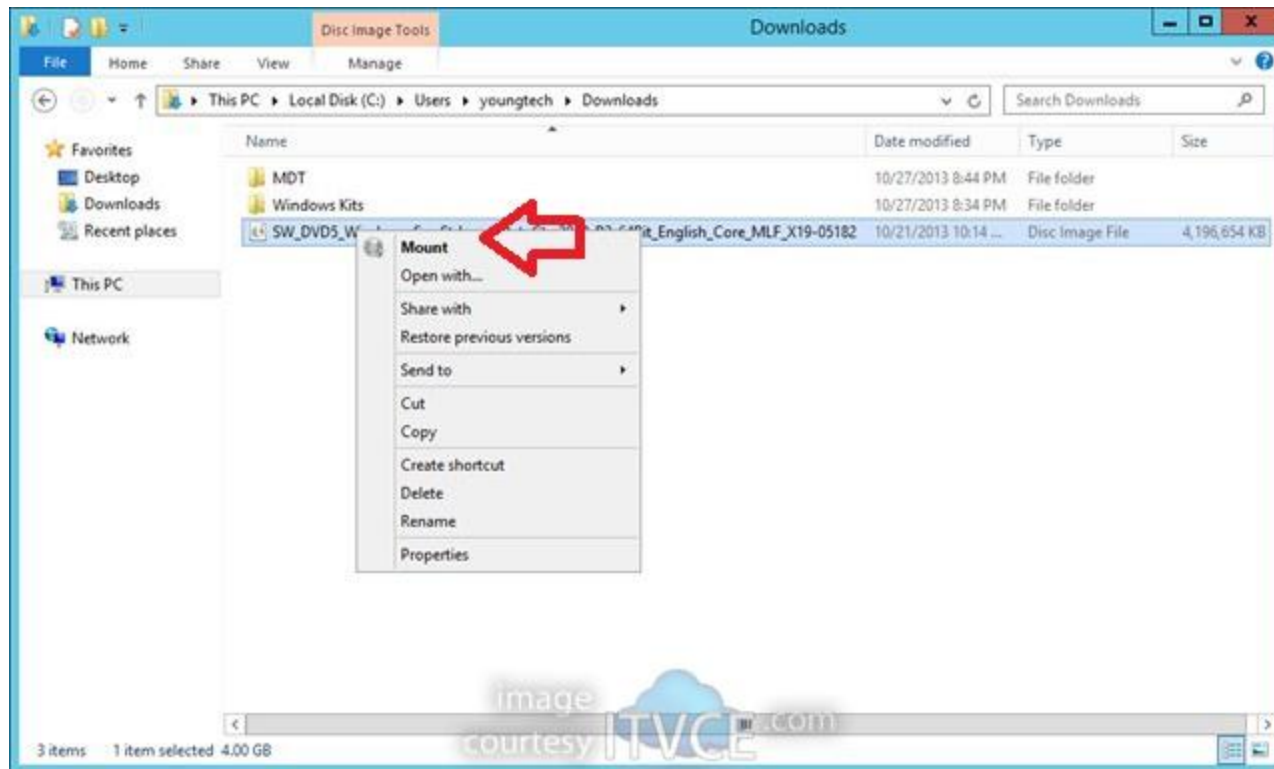
# Import Applications

- Confirm & finish



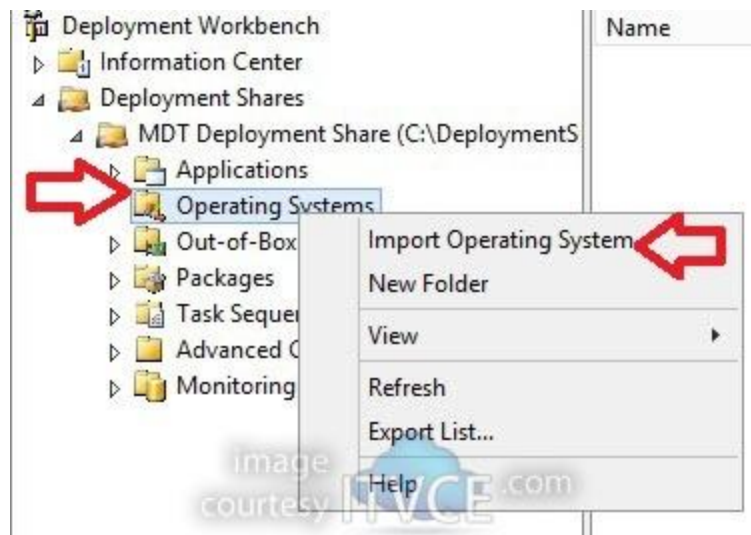
# Import The OS Image

- Mount the operating system ISO and record the path



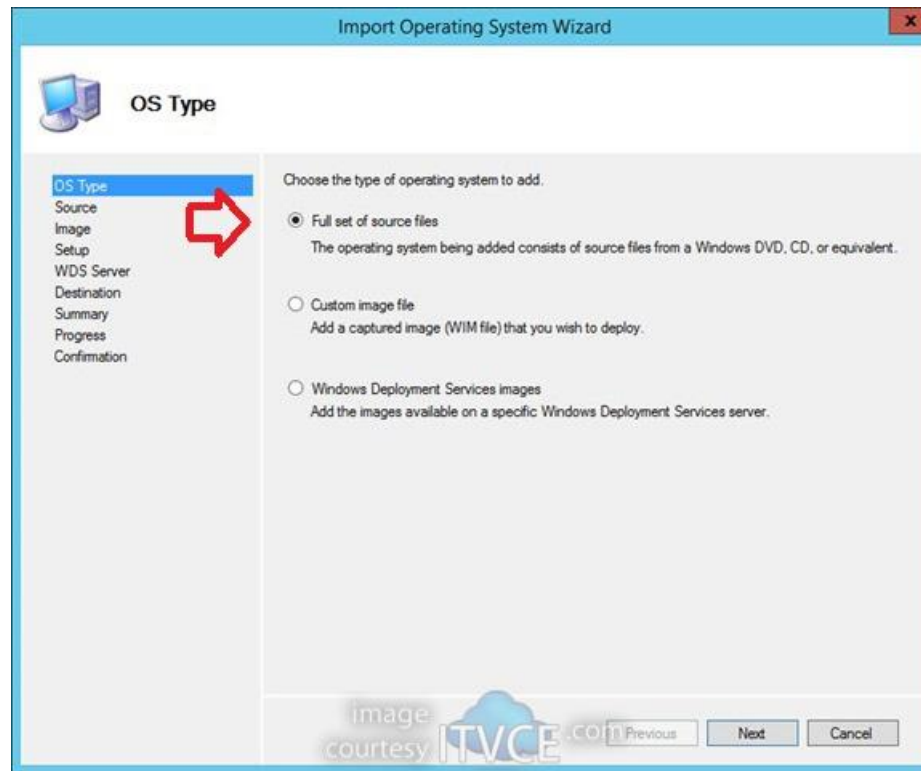
# Import The OS Image

- In the Deployment workbench go to the share and operating system



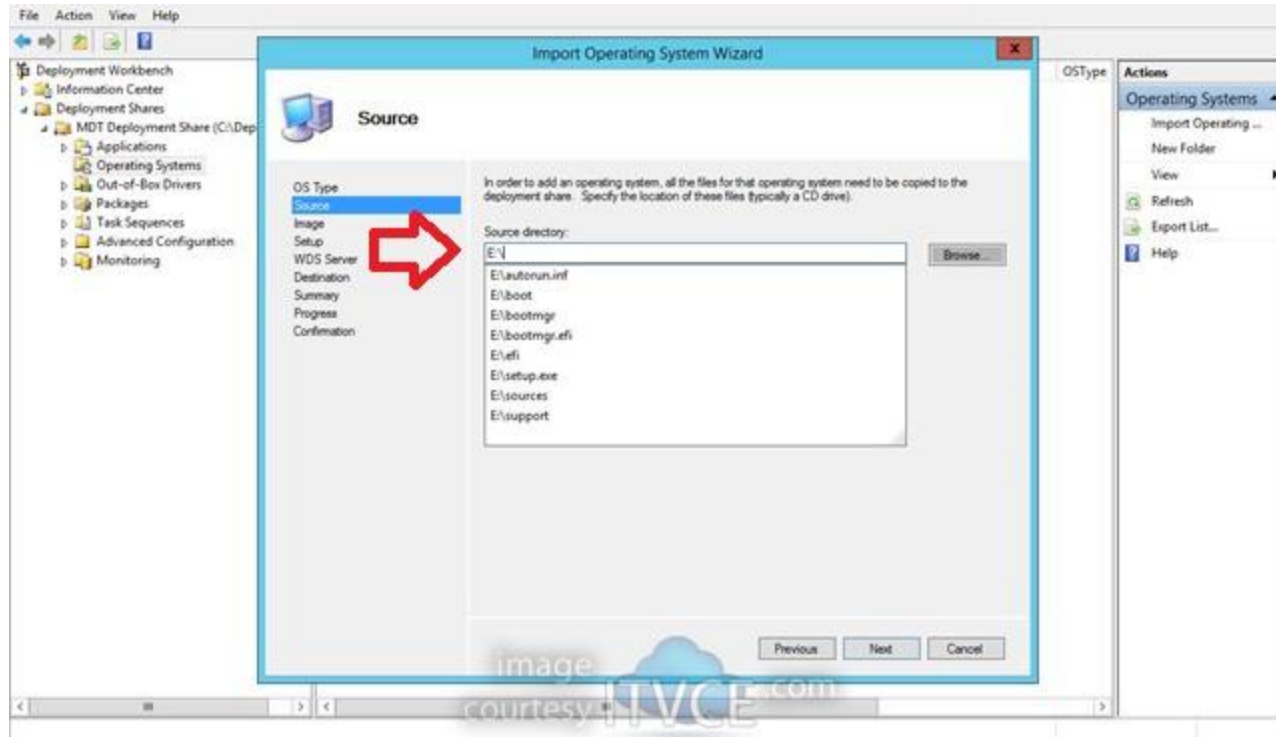
# Import The OS Image

- Select full set of source files



# Import The OS Image

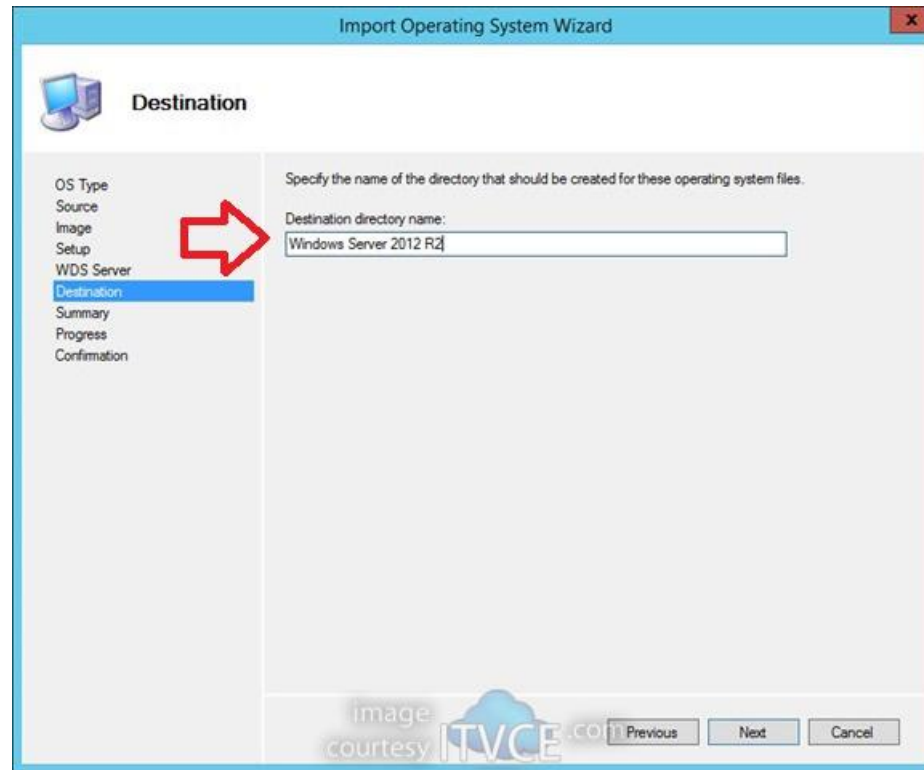
- Point to the source directory





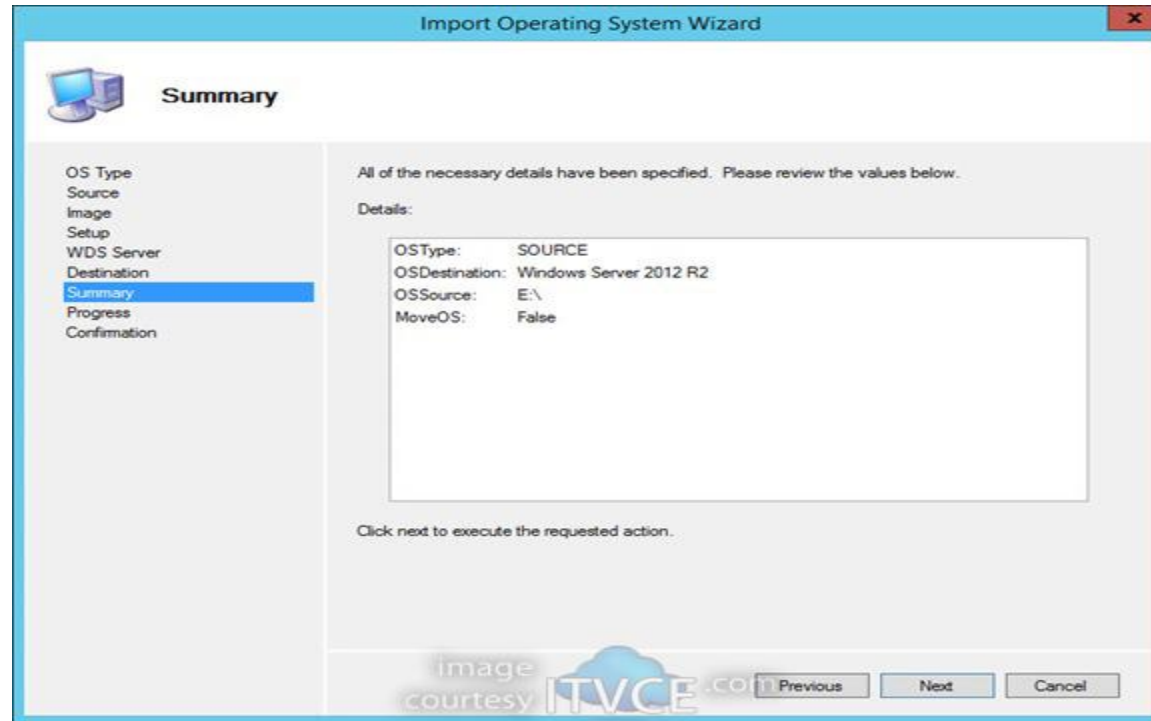
# Import The OS Image

- Name the Destination Directory



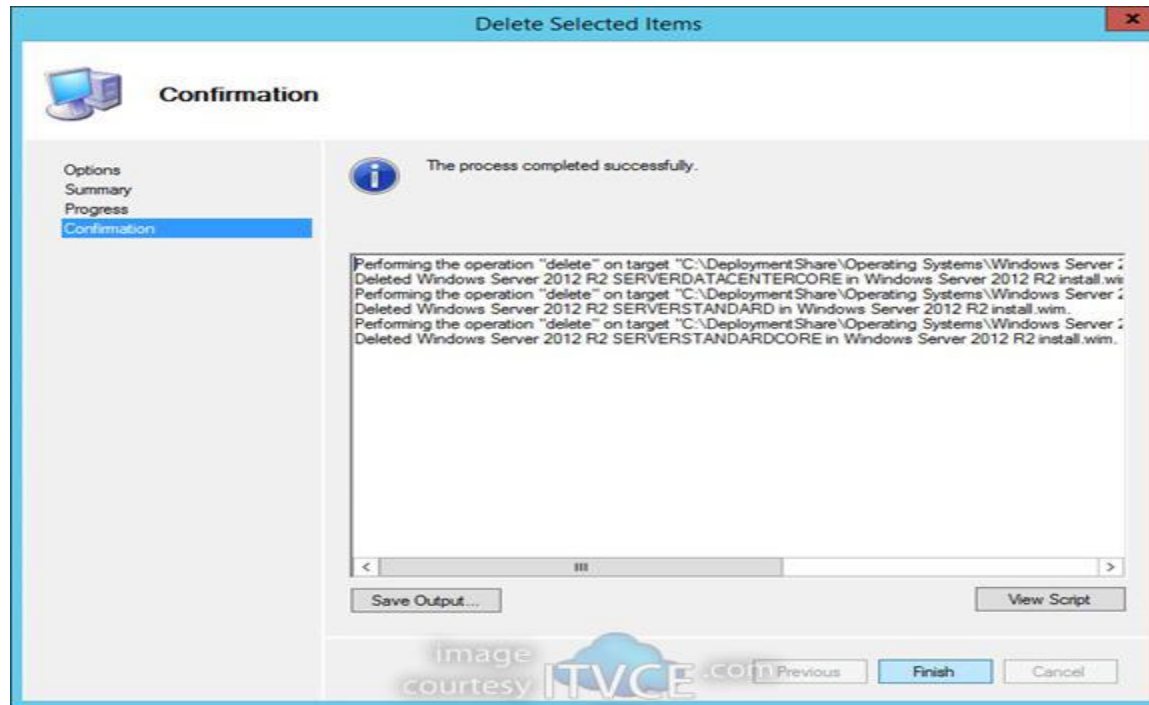
# Import The OS Image

- Review the summary



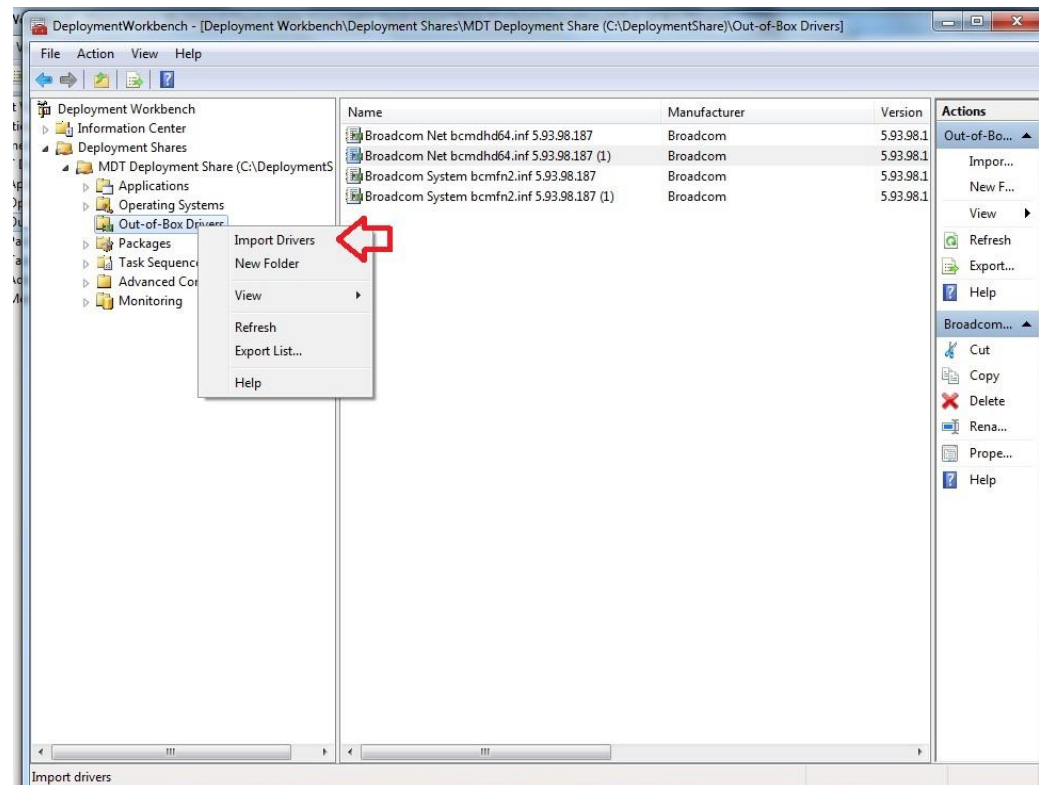
# Import The OS Image

- View confirmation



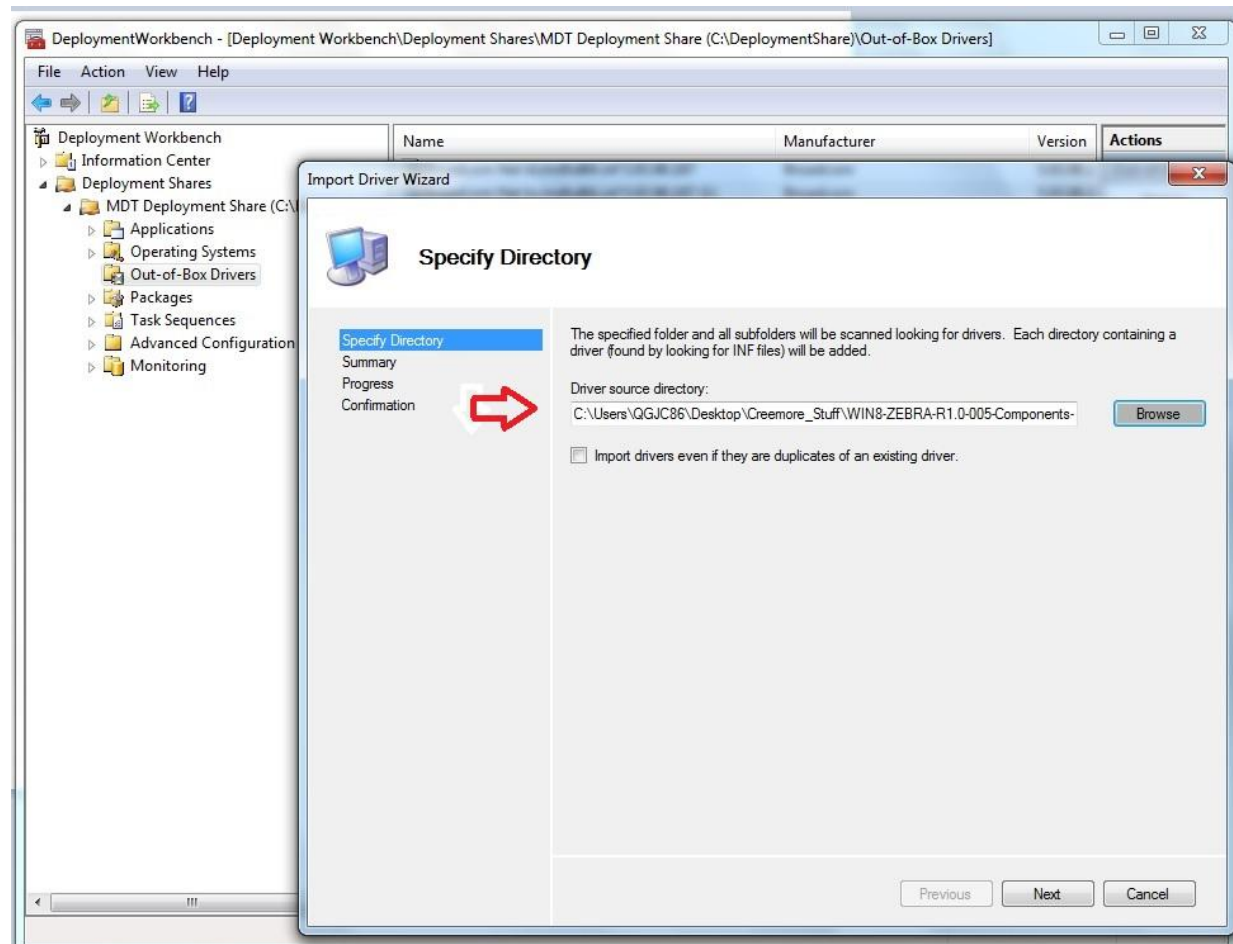
# Import The drivers

- Go to the MDT Workbench and Deployment Share and select Out Of Box drivers

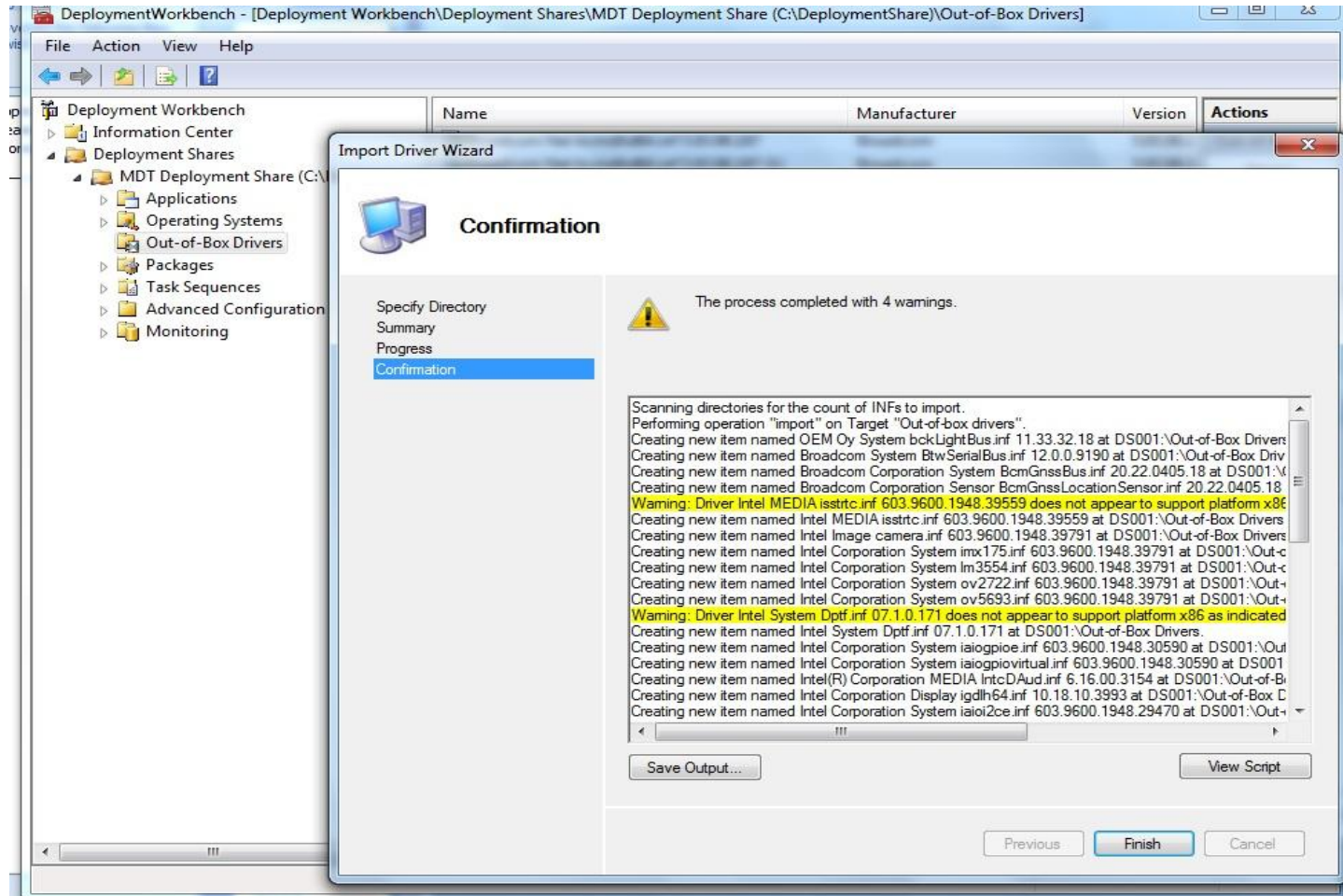


# Import The drivers

- Specify the source directory for the drivers

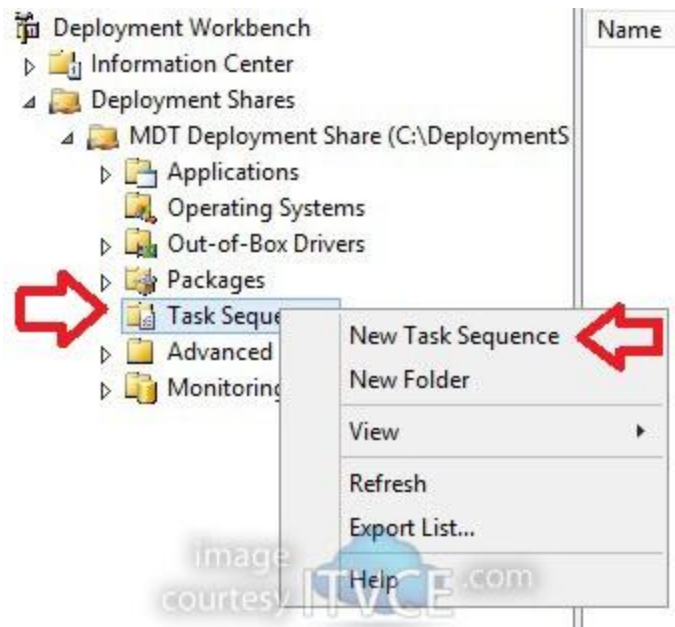


- Hit next and Import the drivers



# Configure Task Sequence

- Go to the Deployment Workbench and select Task Sequence in the deployment share



# Configure Task Sequence

- Set general settings

**New Task Sequence Wizard**

**General Settings**

Specify general information about this task sequence. The task sequence ID is used internally as part of the deployment process. The task sequence name and comments are displayed by the deployment wizard.

Task sequence ID:

Task sequence name:

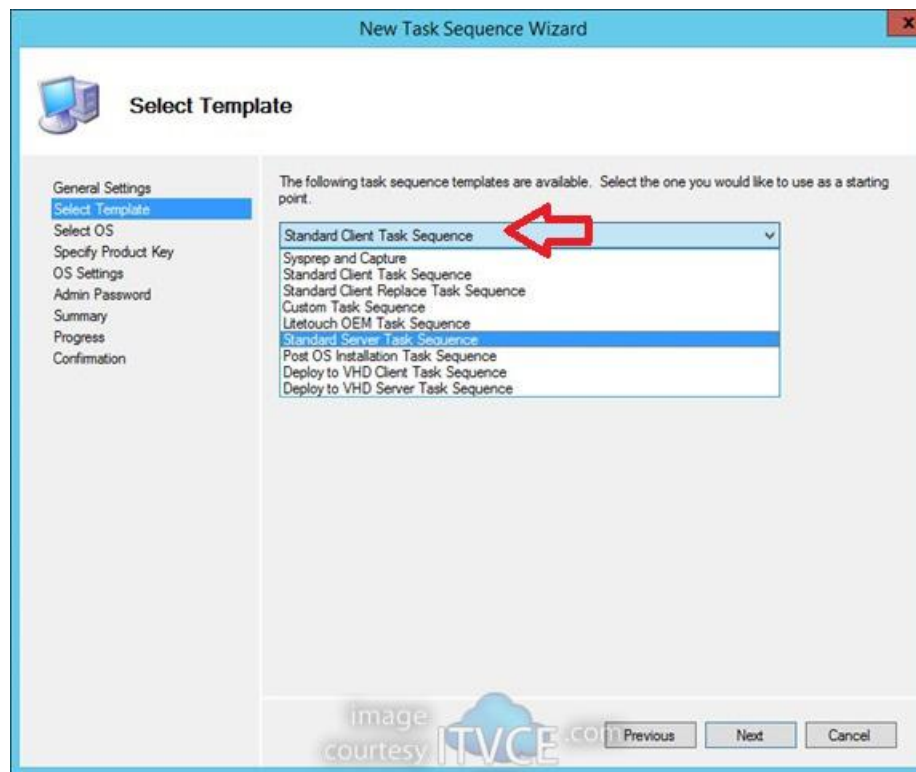
Task sequence comments:

image courtesy ITVCE.com Previous Next Cancel



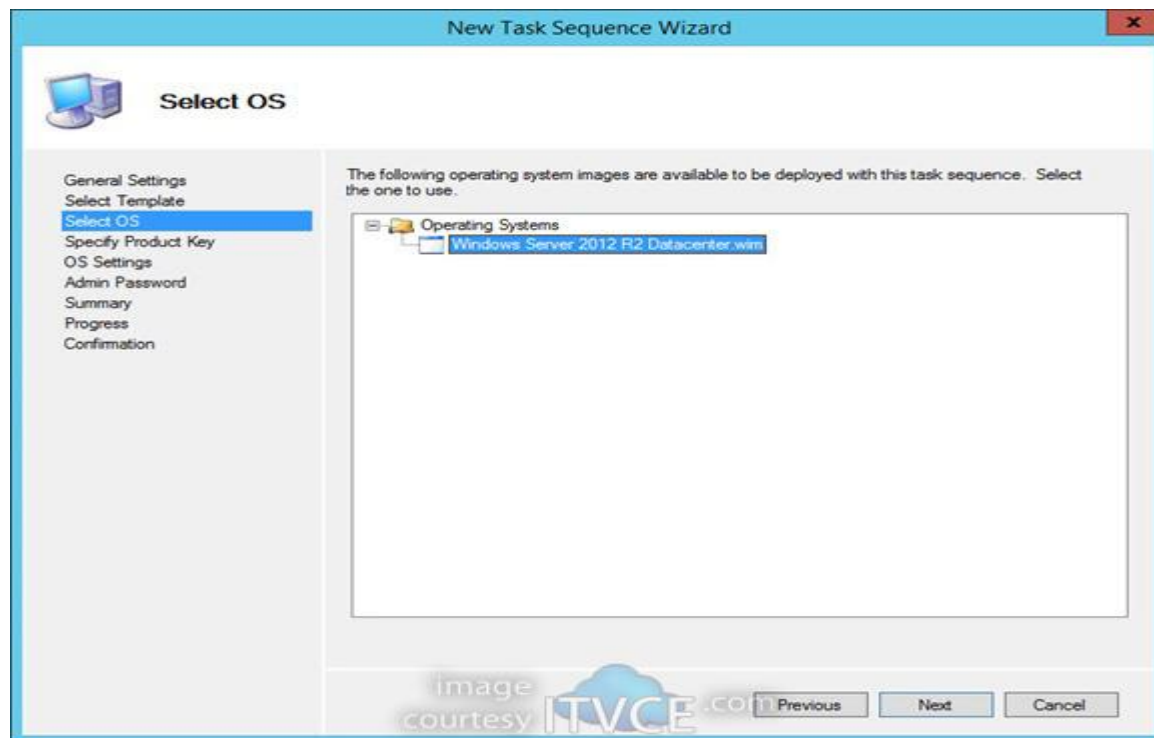
# Configure Task Sequence

- Select Template



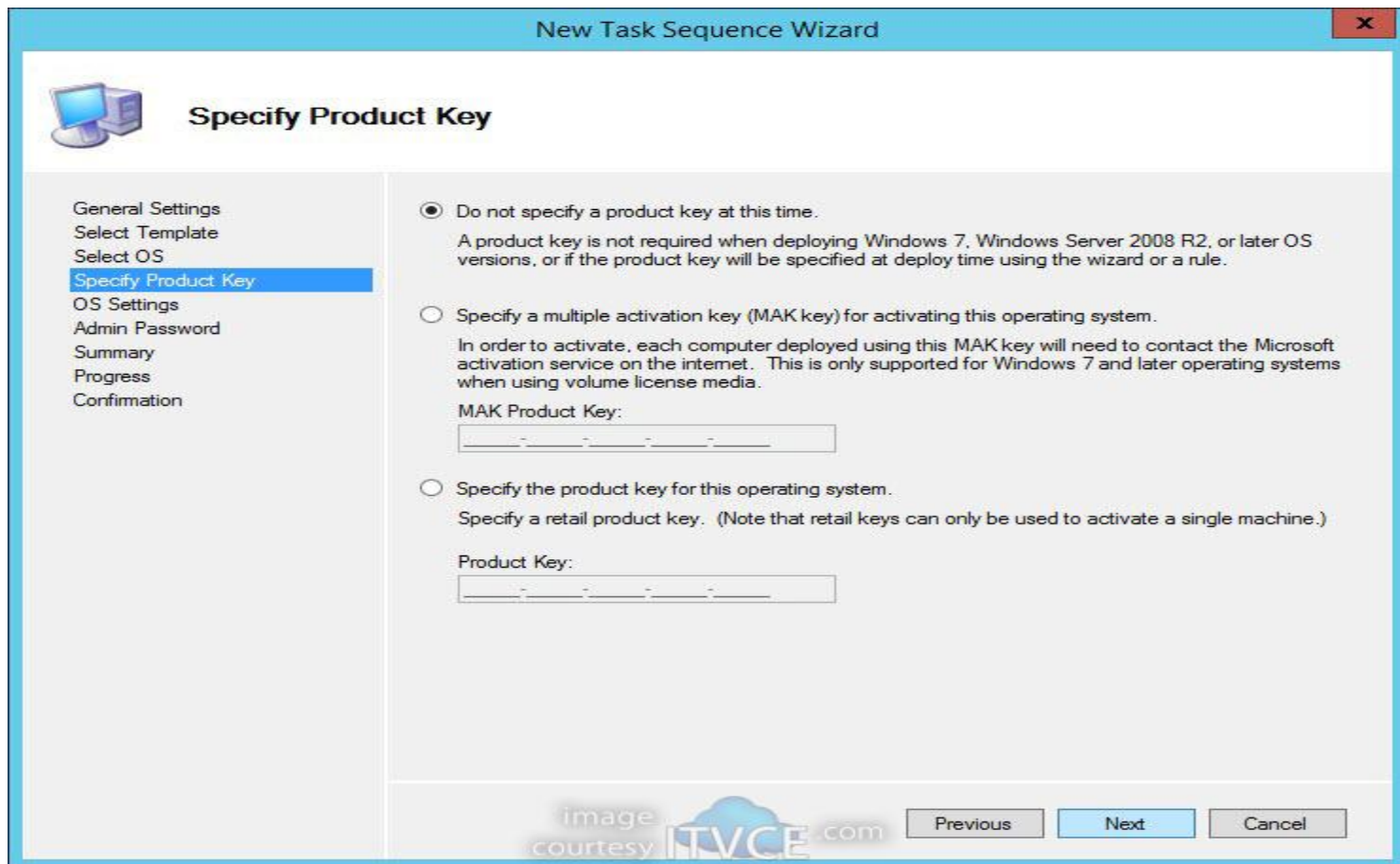
# Configure Task Sequence

- Select OS




# Configure Task Sequence

- Specify whether to use Product Key or not



The screenshot shows the 'New Task Sequence Wizard' window, specifically the 'Specify Product Key' step. The window has a blue title bar and a sidebar on the left with a list of steps: General Settings, Select Template, Select OS, Specify Product Key (highlighted), OS Settings, Admin Password, Summary, Progress, and Confirmation. The main area contains three radio button options. The first option, 'Do not specify a product key at this time.', is selected. Below it is a text box for 'MAK Product Key:'. The second option, 'Specify a multiple activation key (MAK key) for activating this operating system.', is unselected. Below it is a text box for 'Product Key:'. The third option, 'Specify the product key for this operating system.', is unselected. Below it is a text box for 'Product Key:'. At the bottom right are 'Previous', 'Next', and 'Cancel' buttons. A watermark 'image courtesy ITVCE.com' is visible at the bottom center.

New Task Sequence Wizard

 **Specify Product Key**

General Settings  
Select Template  
Select OS  
**Specify Product Key**  
OS Settings  
Admin Password  
Summary  
Progress  
Confirmation

☒ Do not specify a product key at this time.  
A product key is not required when deploying Windows 7, Windows Server 2008 R2, or later OS versions, or if the product key will be specified at deploy time using the wizard or a rule.

☐ Specify a multiple activation key (MAK key) for activating this operating system.  
In order to activate, each computer deployed using this MAK key will need to contact the Microsoft activation service on the internet. This is only supported for Windows 7 and later operating systems when using volume license media.  
MAK Product Key:

☐ Specify the product key for this operating system.  
Specify a retail product key. (Note that retail keys can only be used to activate a single machine.)  
Product Key:

image courtesy ITVCE.com Previous Next Cancel

# Configure Task Sequence

- Specify OS Settings

New Task Sequence Wizard

**OS Settings**

Specify settings about this task sequence. These settings will be used for all deployments of this task sequence, unless overridden during the deployment process using the wizard or a rule.

Full Name:  
youngtech

Organization:  
youngtech

Internet Explorer Home Page:  
www.itvce.com

image courtesy ITVCE.com Previous Next Cancel

# Configure Task Sequence

- Set Admin Password

New Task Sequence Wizard

**Admin Password**

Specify the local Administrator password for this task sequence.

☒ Use the specified local Administrator password.

Administrator Password:

Please confirm Administrator Password:

☐ Do not specify an Administrator password at this time.

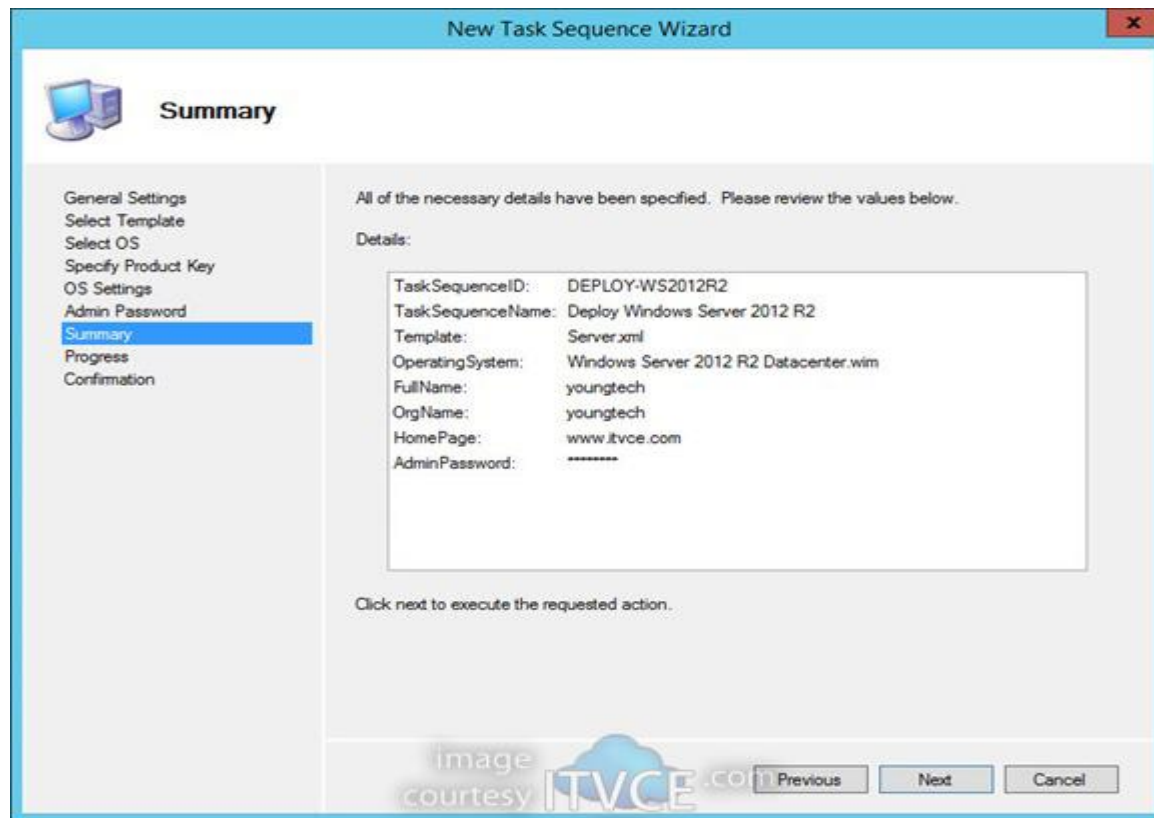
The local Administrator password will be provided during the deployment of this task sequence, so it is not needed as part of the task sequence definition.

Previous Next Cancel

image courtesy ITVCE.co

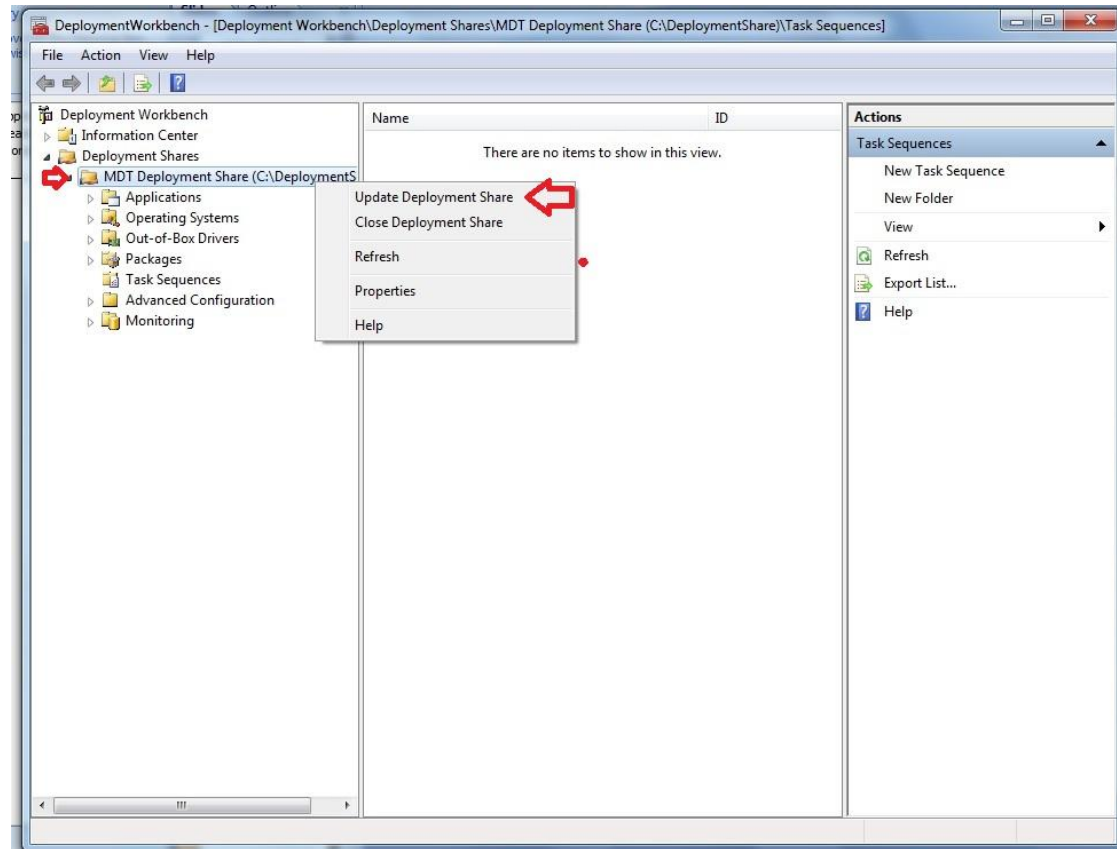
# Configure Task Sequence

- View Summary



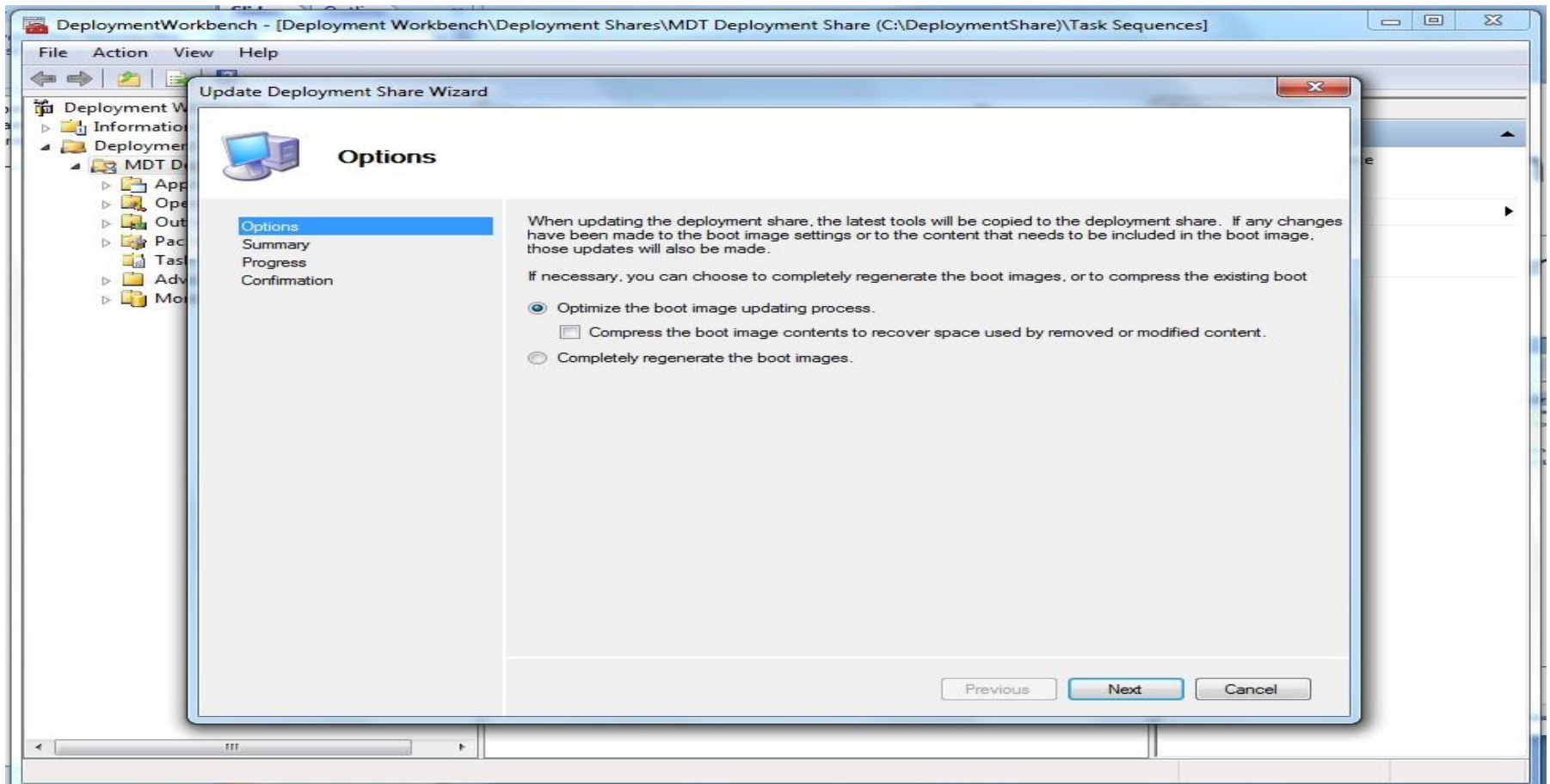
# Update The Deployment share

- Right Click on the Deployment Share and select update



# Update The Deployment share

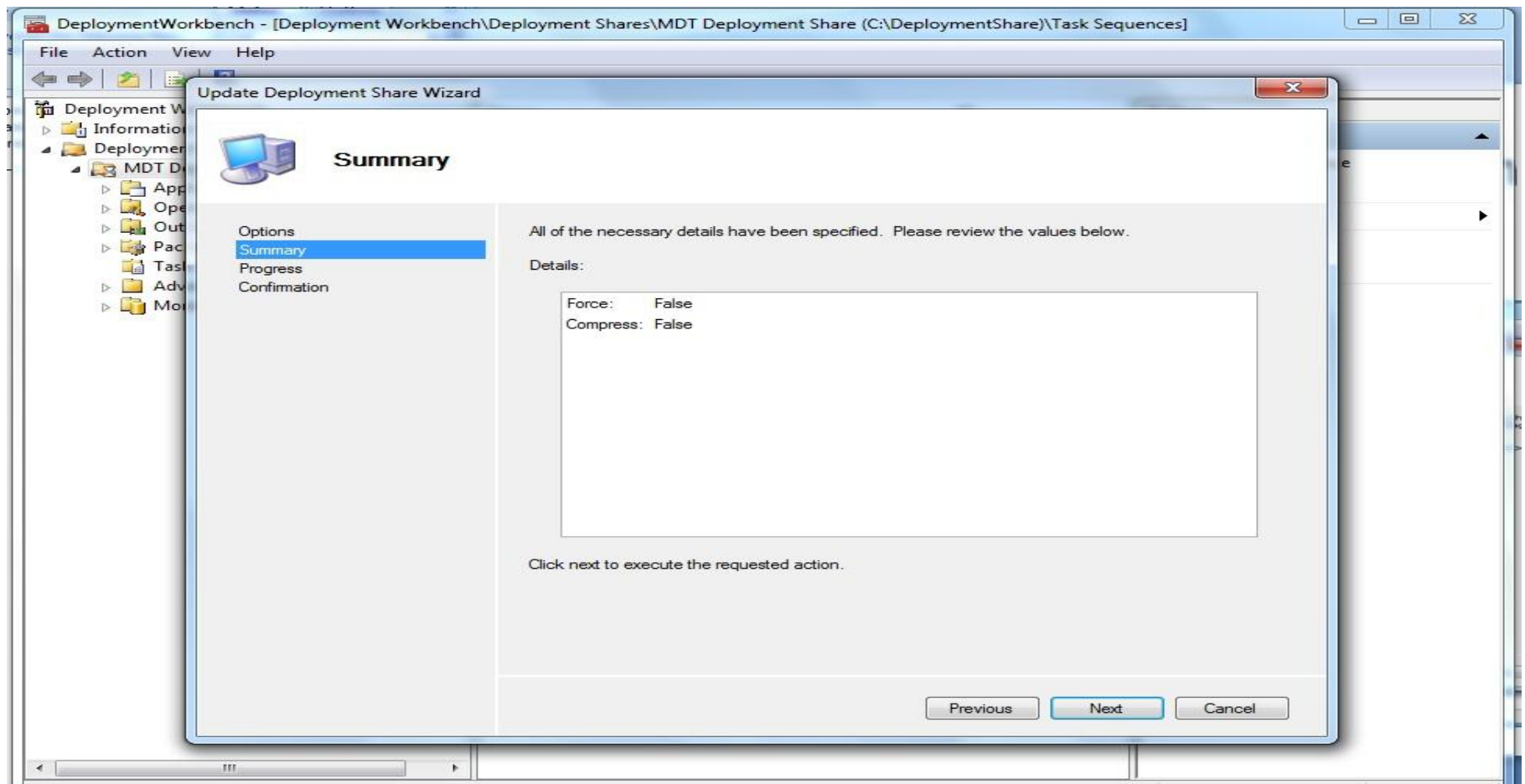
- Set Options





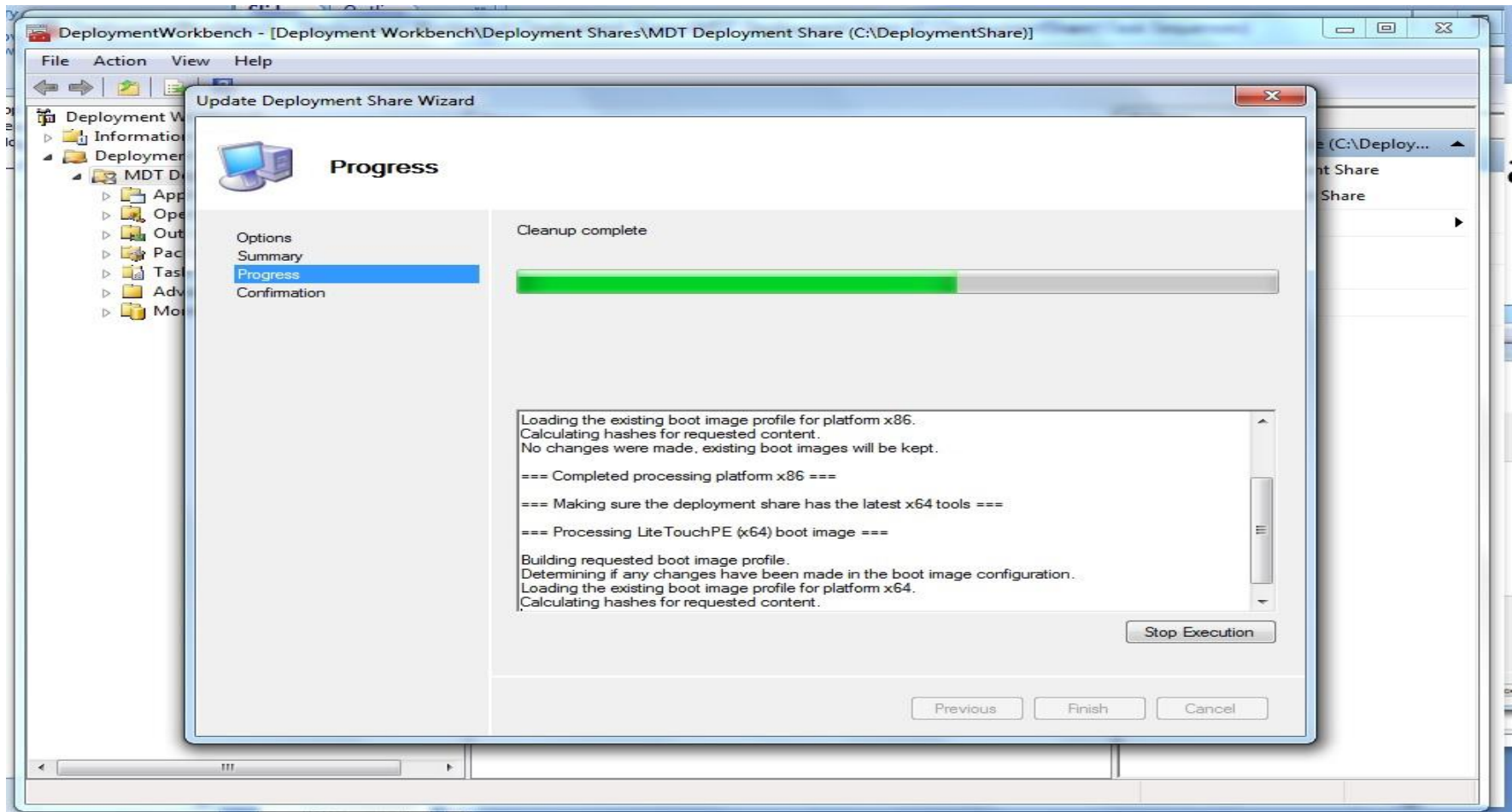
# Update The Deployment share

- Review Summary



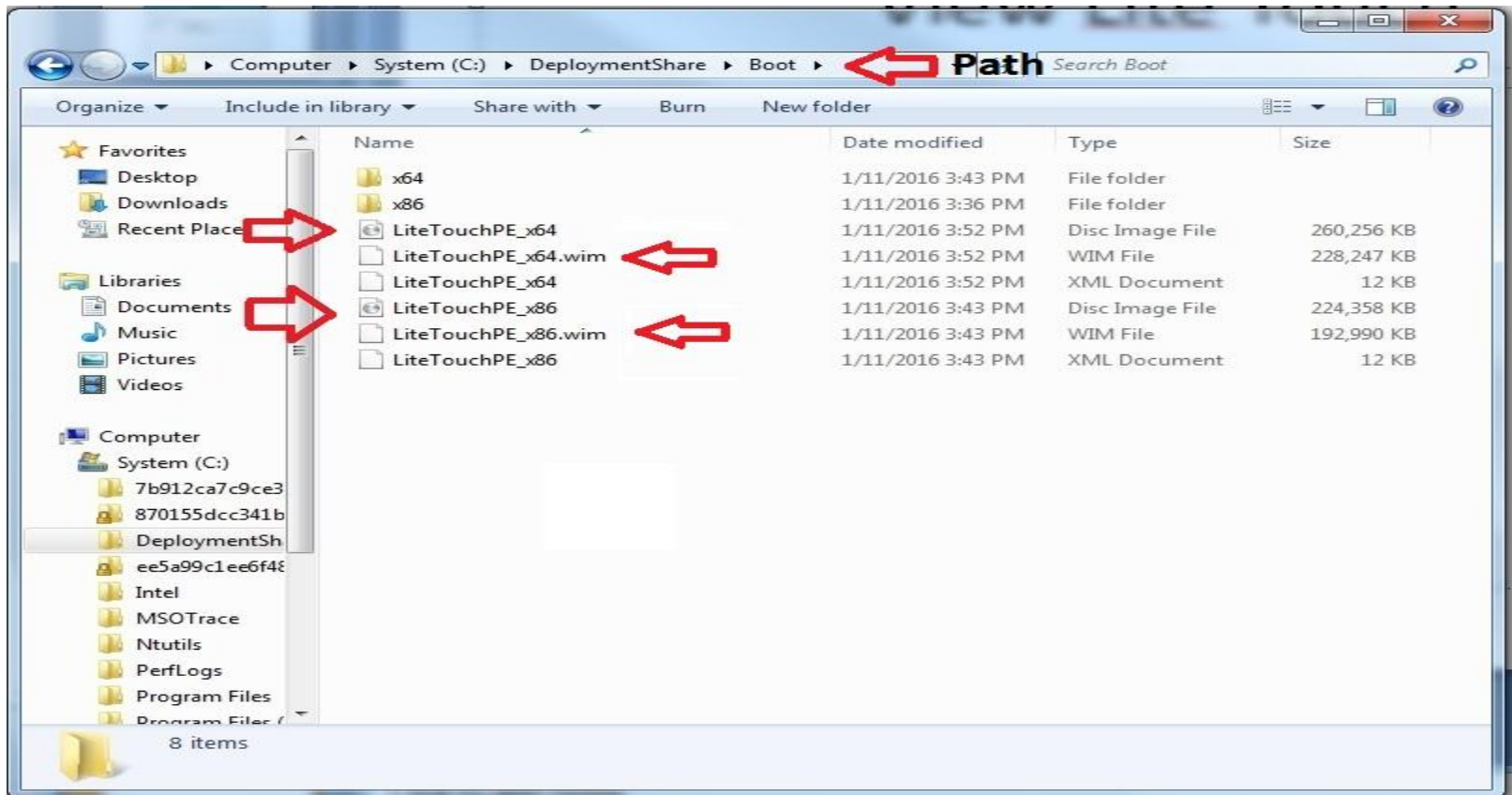
# Update The Deployment share

- Update the Share



# View LiteTouchX86 & LiteTouchX64 ISO & WIM Files in Deployment Share

- Generated ISO & WIM files to integrate with WDS or SCCM

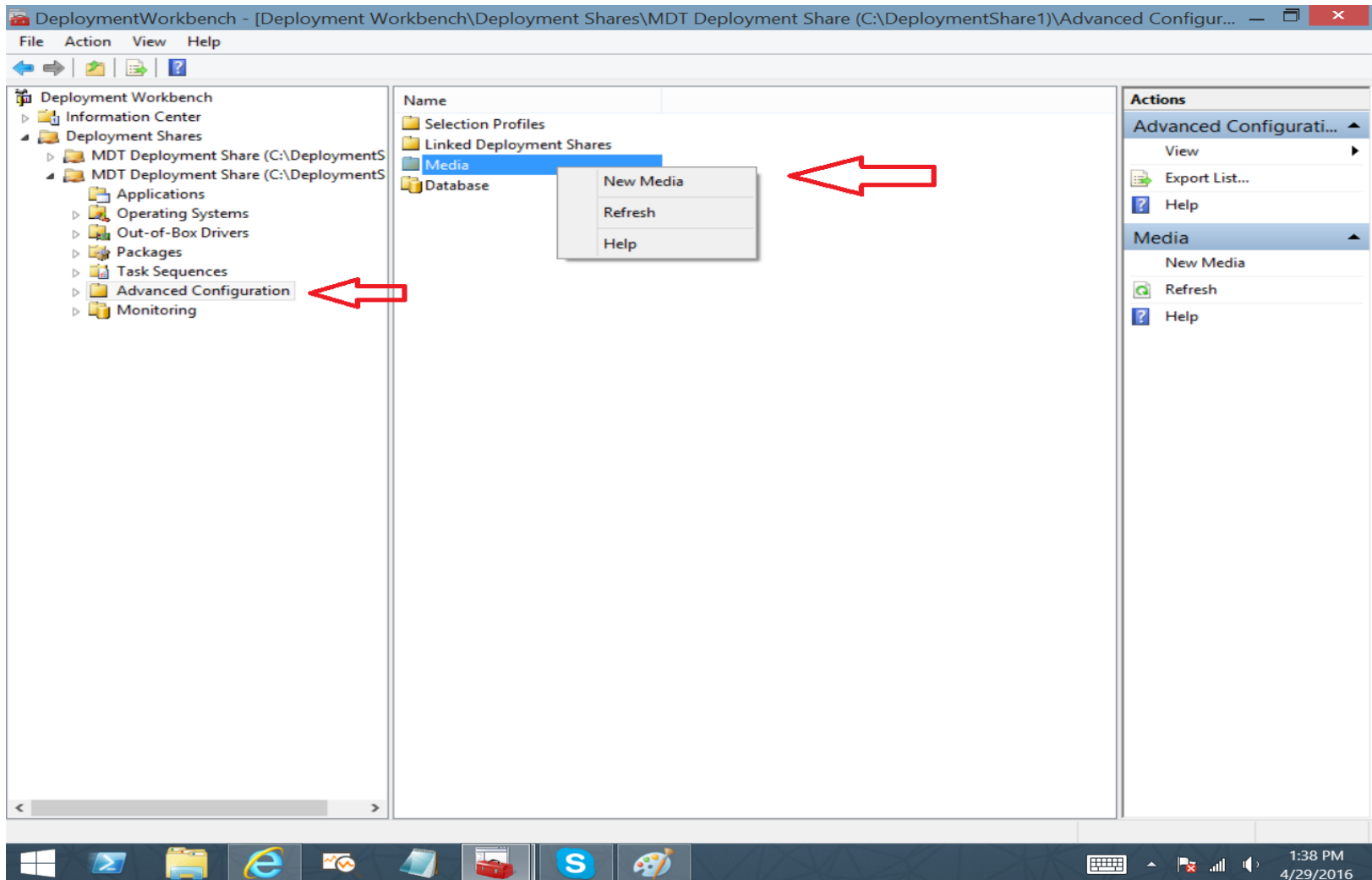


# Microsoft Deployment Toolkit

Deploying with Media

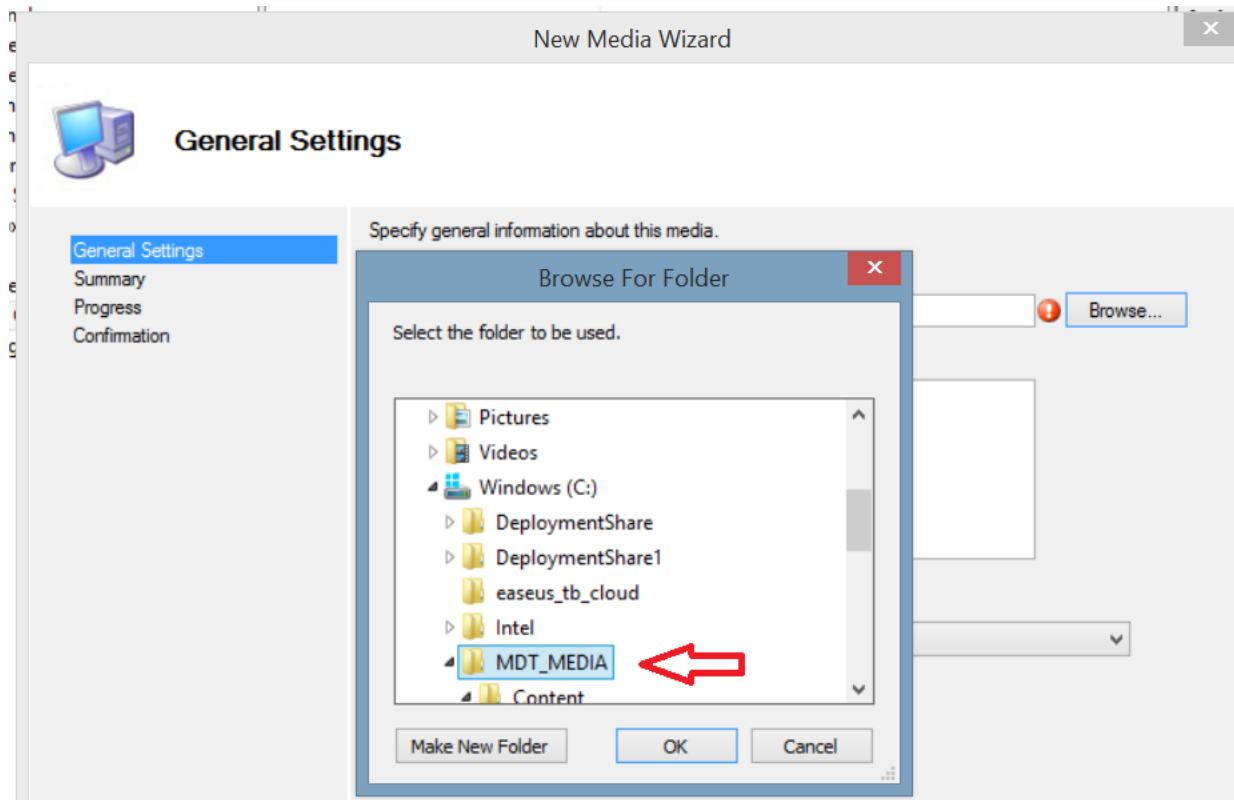
# Generating Media Install for USB

Select Advance Configuration\Media\New Media



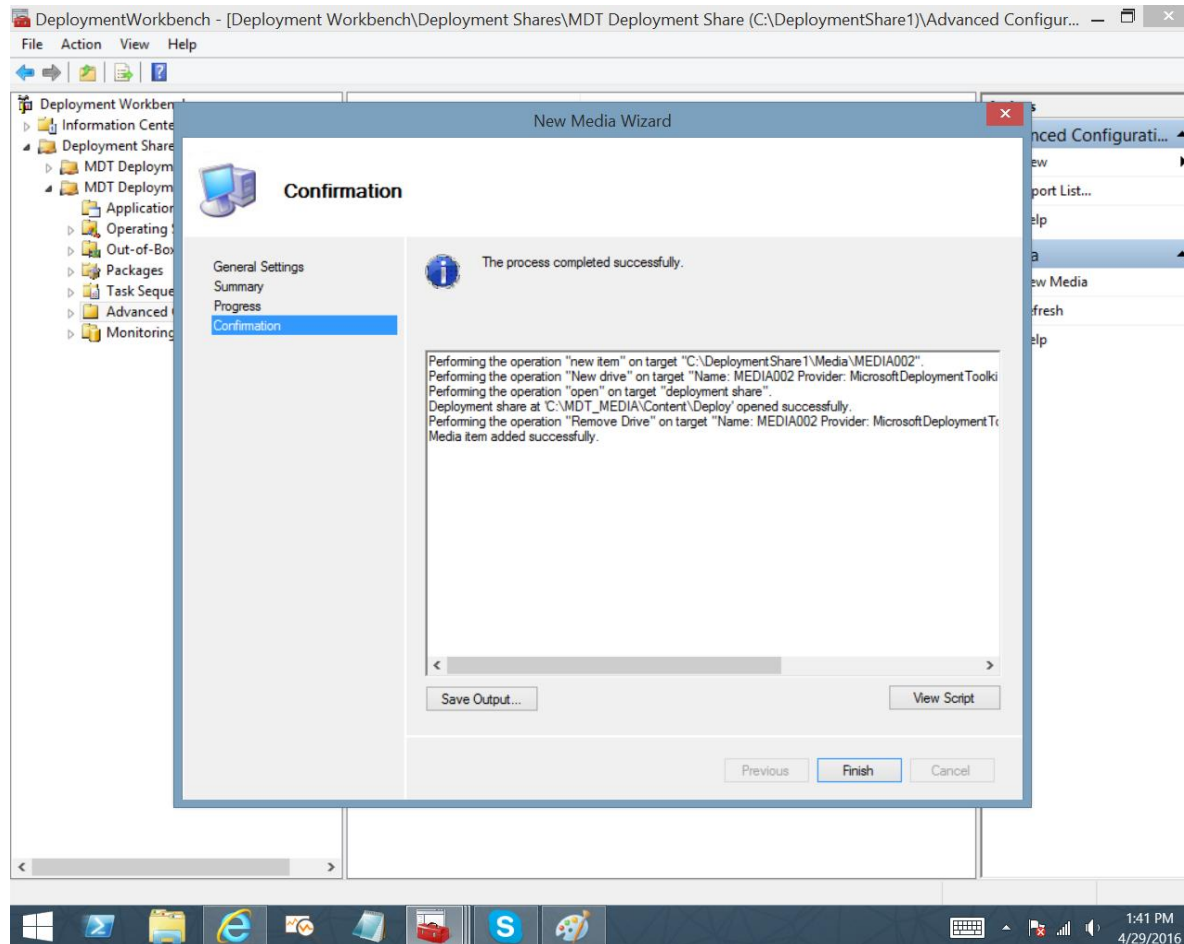
# Generating Media Install for USB

Select the MDT\_Media Folder to store the deployment Files



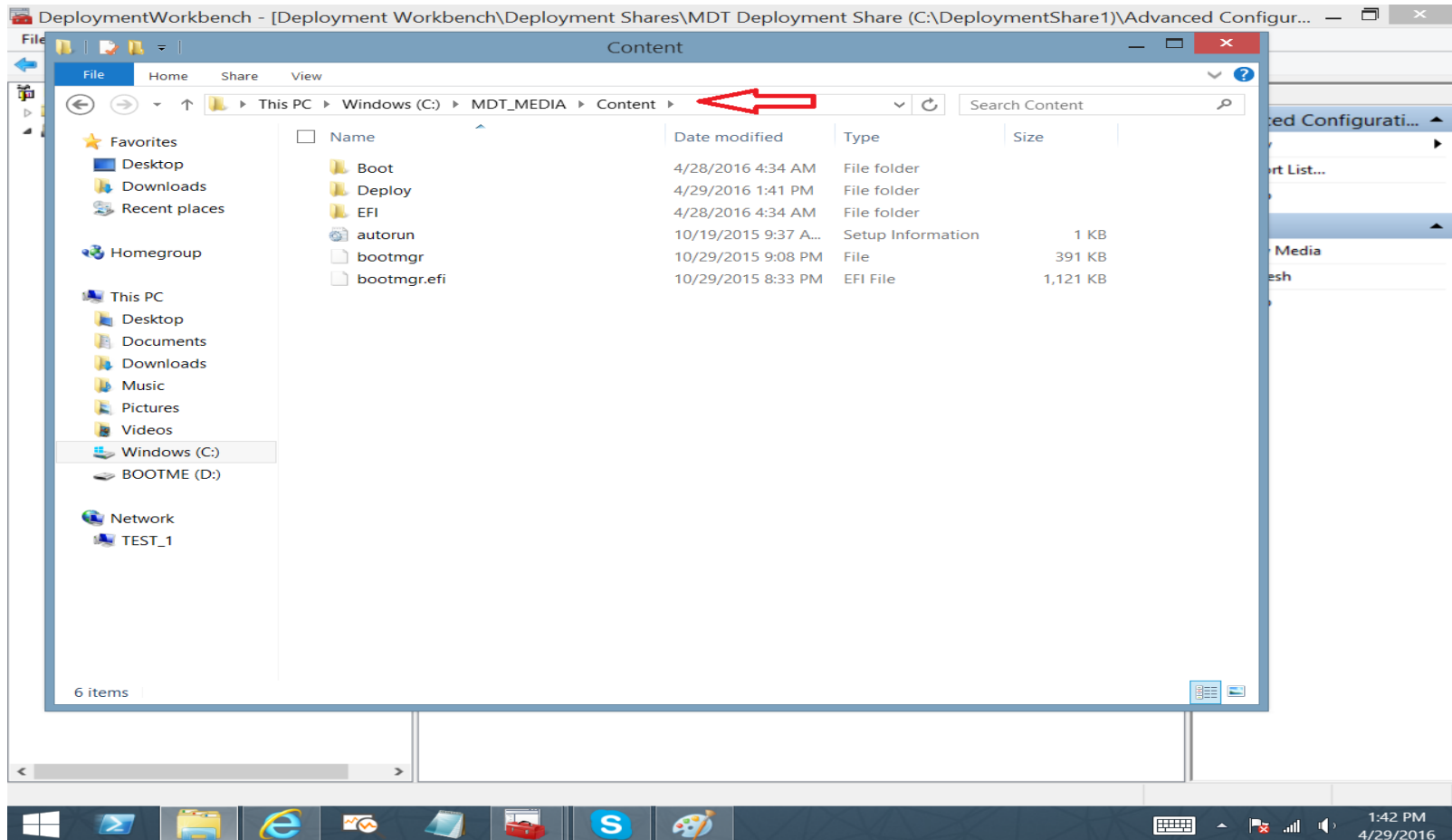
# Generating Media Install for USB

Click Finish and the install files will be saved to MDT\_Media folder



# Generating Media Install for USB

Copy the entire contents of the “Content Folder” to a USB formatted as Fat32 and the media is ready to use

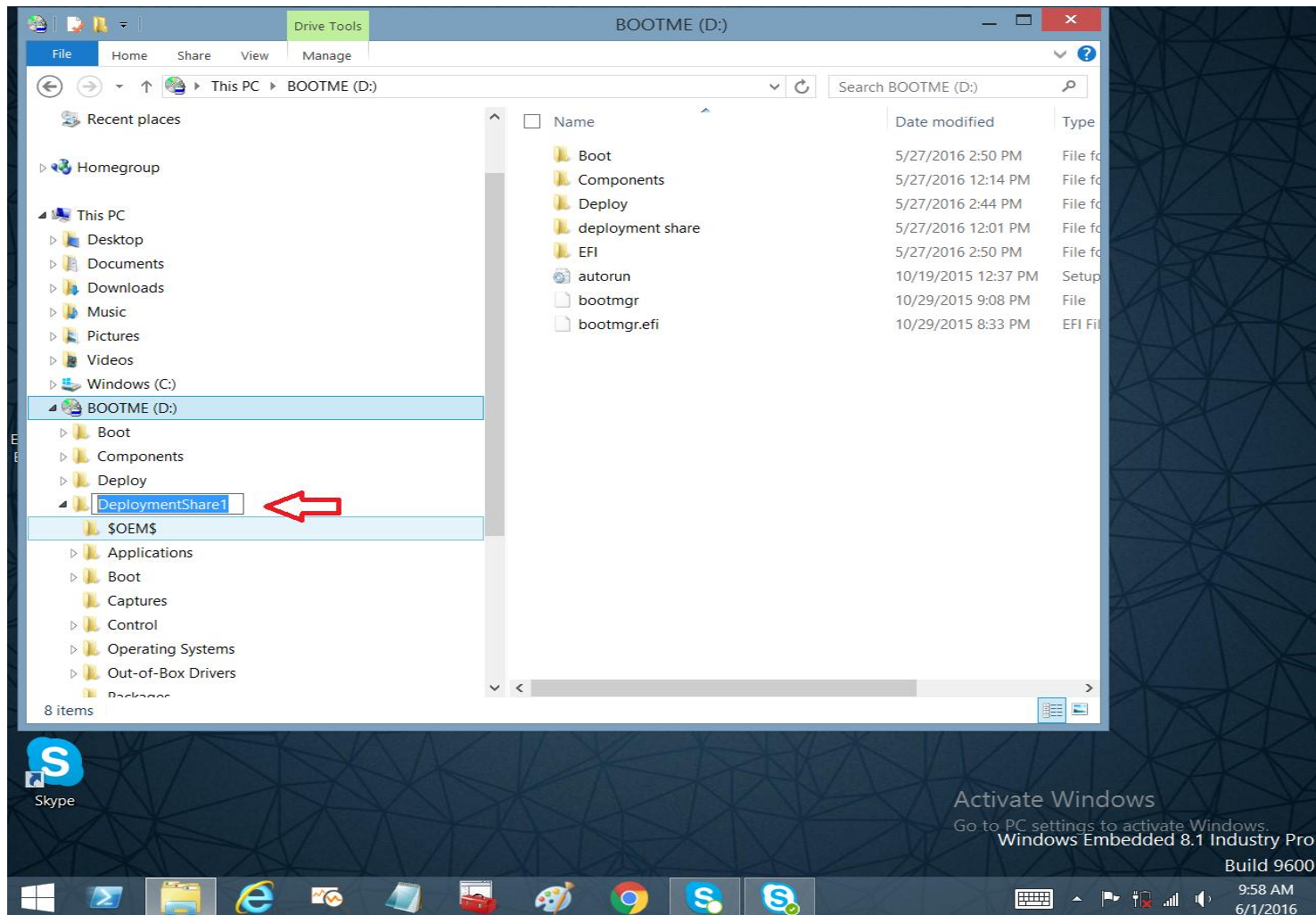




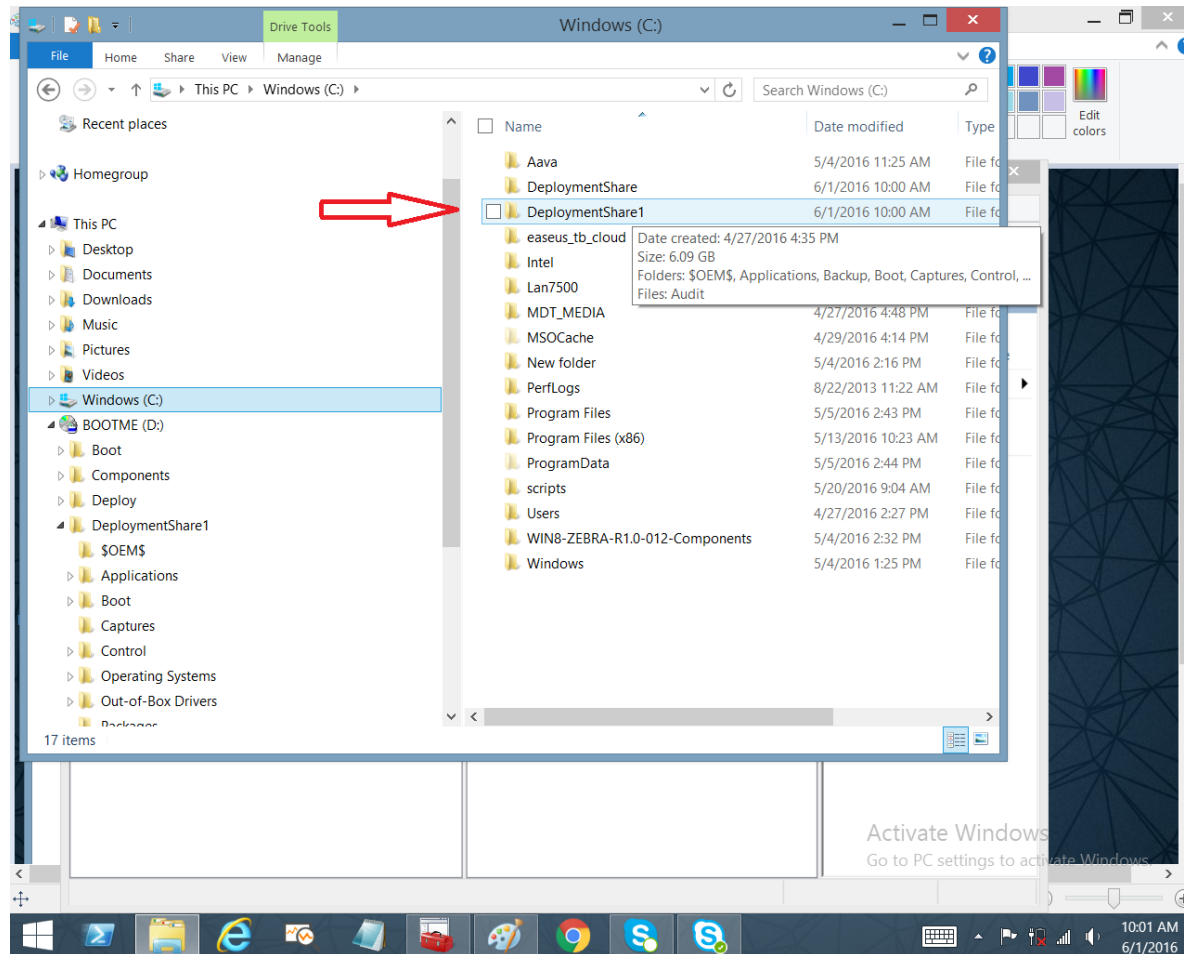
# Importing an existing MDT Deployment Share

- Source Files are located in:
  - WIN10-ZEBRA-R1.0-00X-X64-DeploymentShare

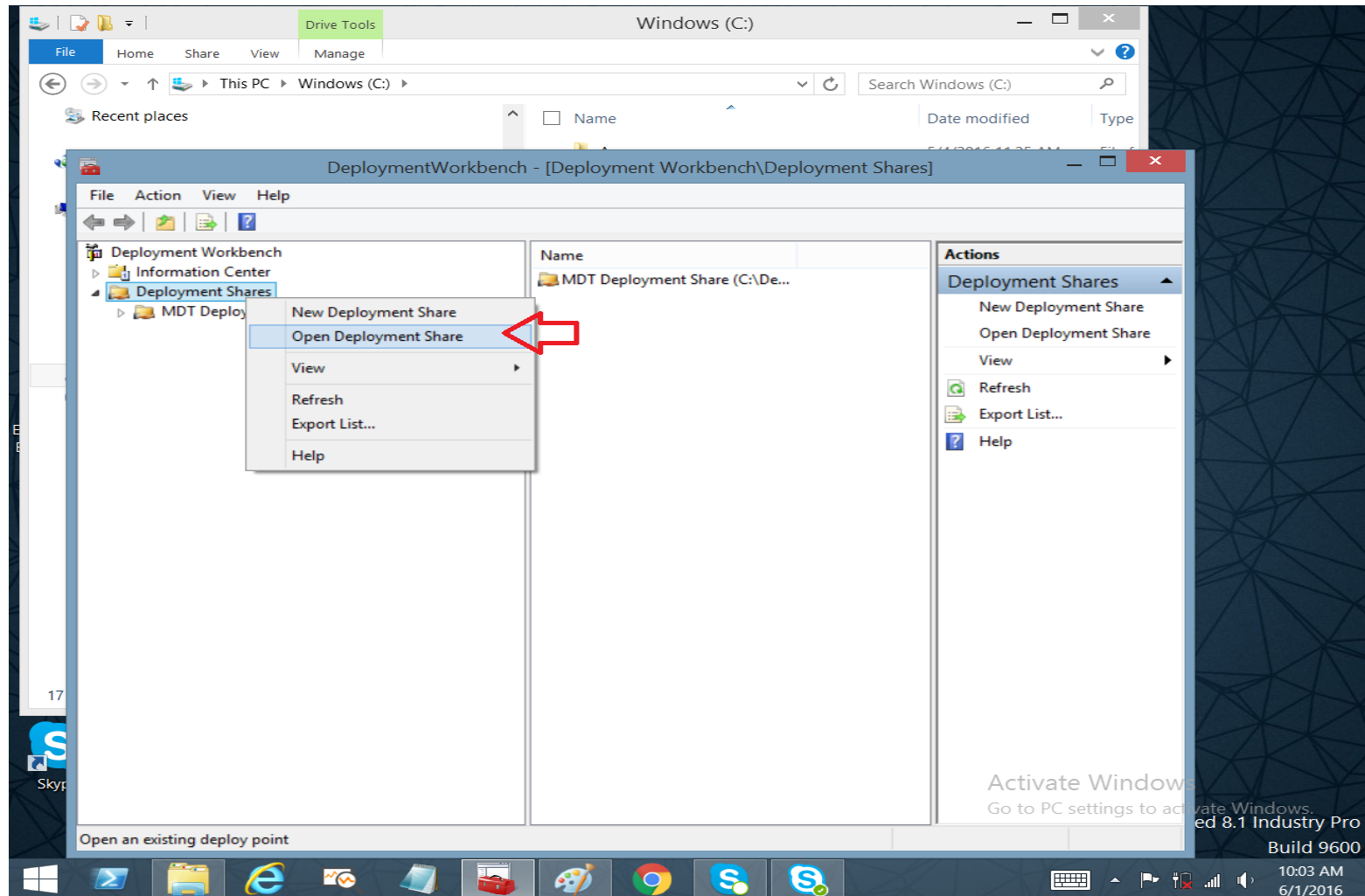
# Go the source Files for the Deployment Share and give the top level Folder A Unique Name



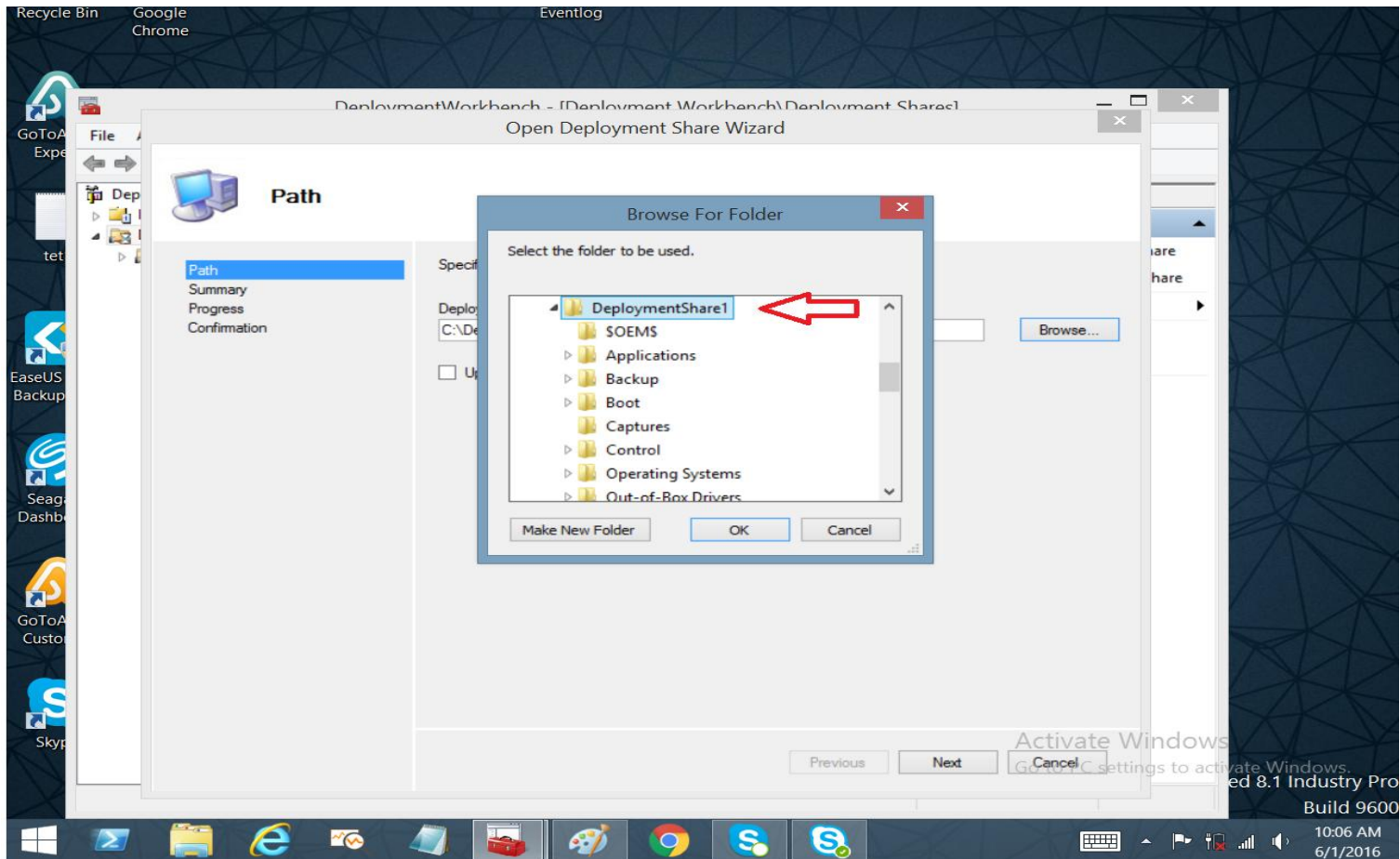
# Copy The Renamed Deployment share to your C: Drive



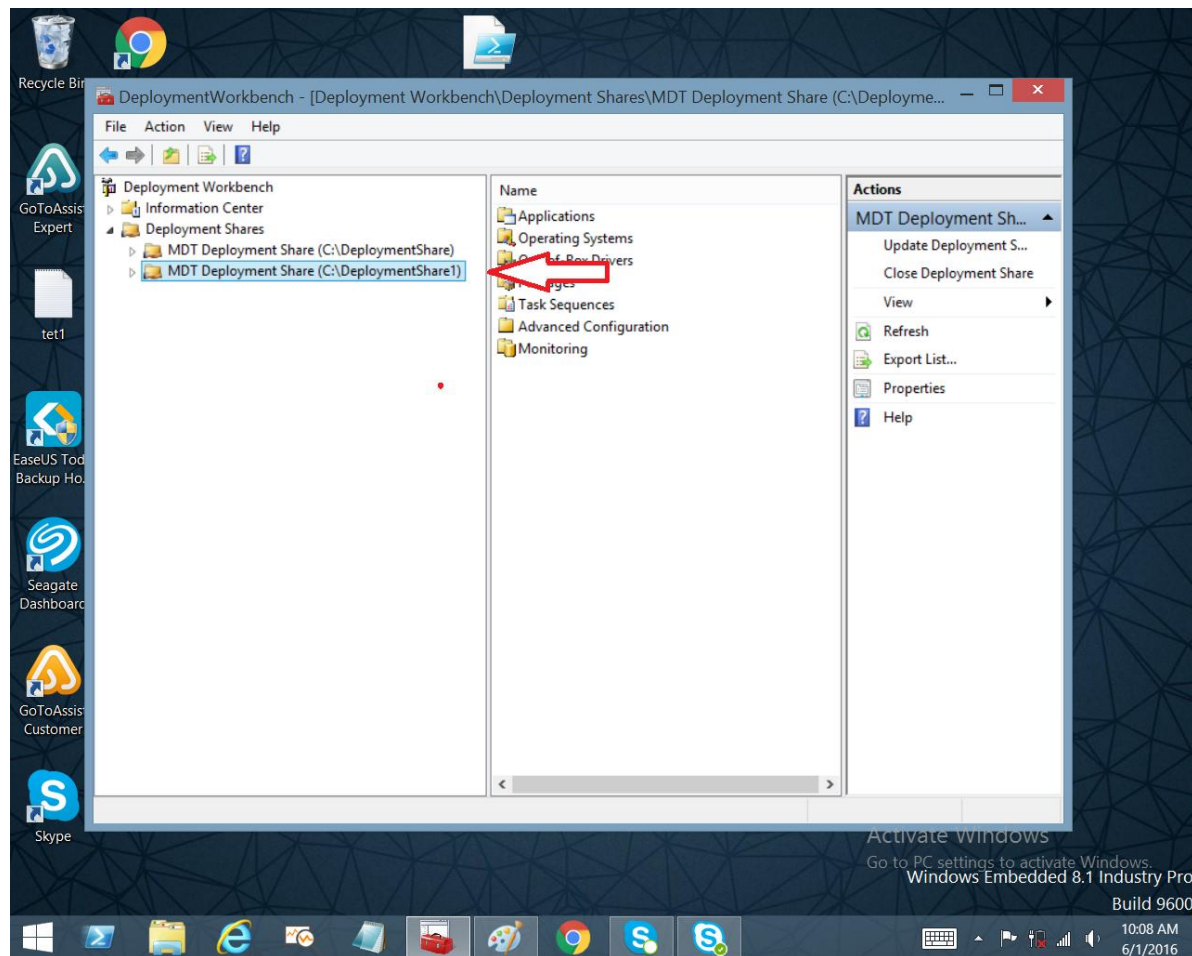
# Go to the Deployment Workbench and Right Click on The deployment Share folder



# Browse to C: Drive and select your renamed Deployment Share



# The imported Deployment Share will be displayed in the Deployment Share folder



# Generate Media Install for Existing Deployment Share

- In the open deployment share, browse to Advanced Configuration / Media, right-click MEDIA001 and select "Update Media Content". This will create directory C:\MDT\_MEDIA.
- On Windows Explorer, browse to directory "Control" under the extracted deployment share. Copy the file CustomSettings.ini to directory C:\MDT\_MEDIA\Content\Deploy\Control, replacing the default configuration file. Format an USB disk with FAT32 and copy all the files under C:\MDT\_MEDIA\Content\ to the empty disk.
- See Also [Generating Media Install for USB](#)