

Microsoft Deployment Toolkit

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MDT Prerequisites

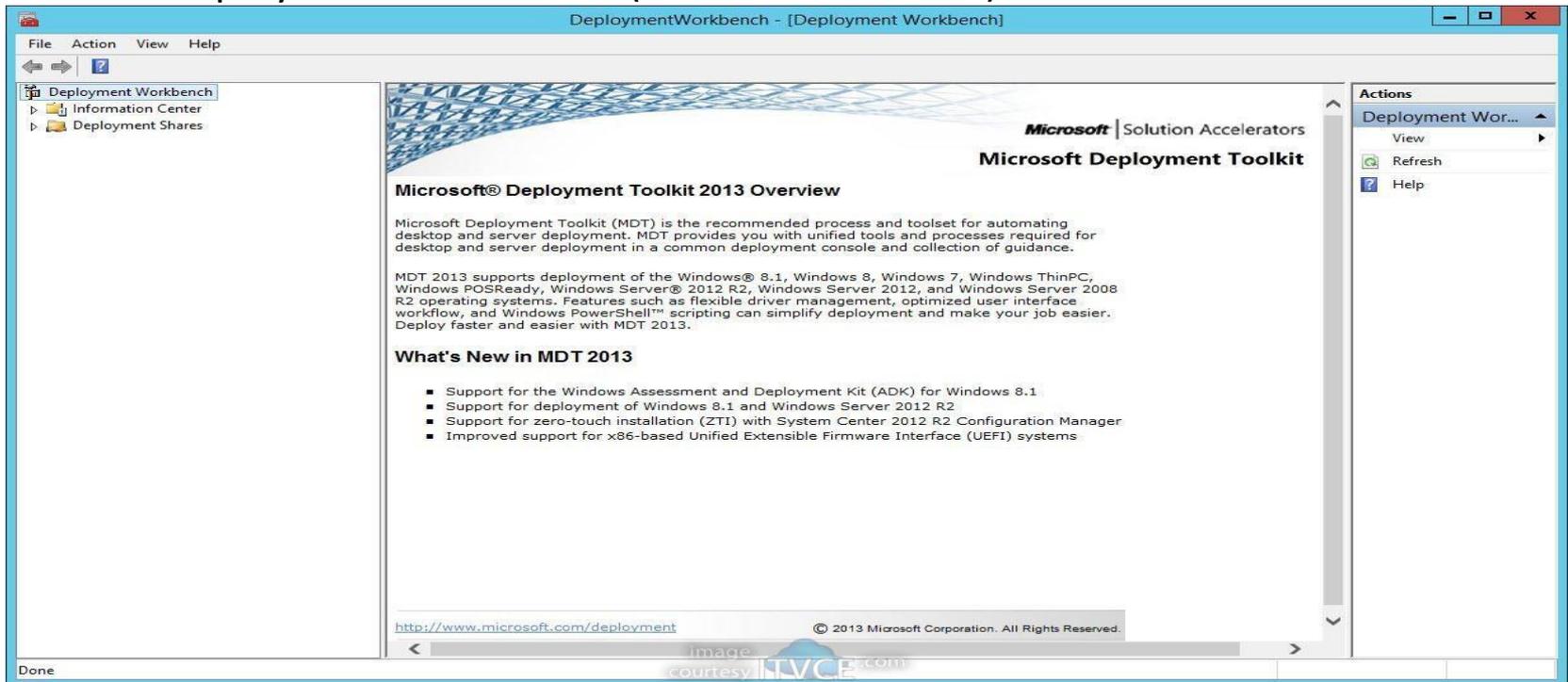
- Microsoft Deployment Tool Kit (MDT) Windows 10
 - v. 6.3.8330.100
- Windows Assessment and Deployment Kit (Windows ADK) Windows 10
 - Note: Make sure the ADK version is paired with the appropriate MDT version or the Deployment workbench will not run

MDT Prerequisites

- Deployment Share for Import is:
- WIN10-ZEBRA-R1.0-00X-X64-DeploymentShare.zip
- MDT Components for building a Deployment Share from Scratch is :
- WIN10-ZEBRA-R1.0-00X-X64-Components. zip

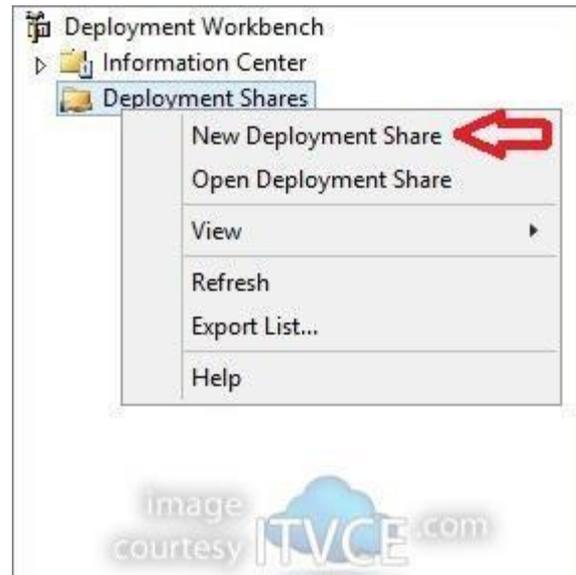
Building a Deployment Share

- Launch Deployment Workbench (Read the overview)

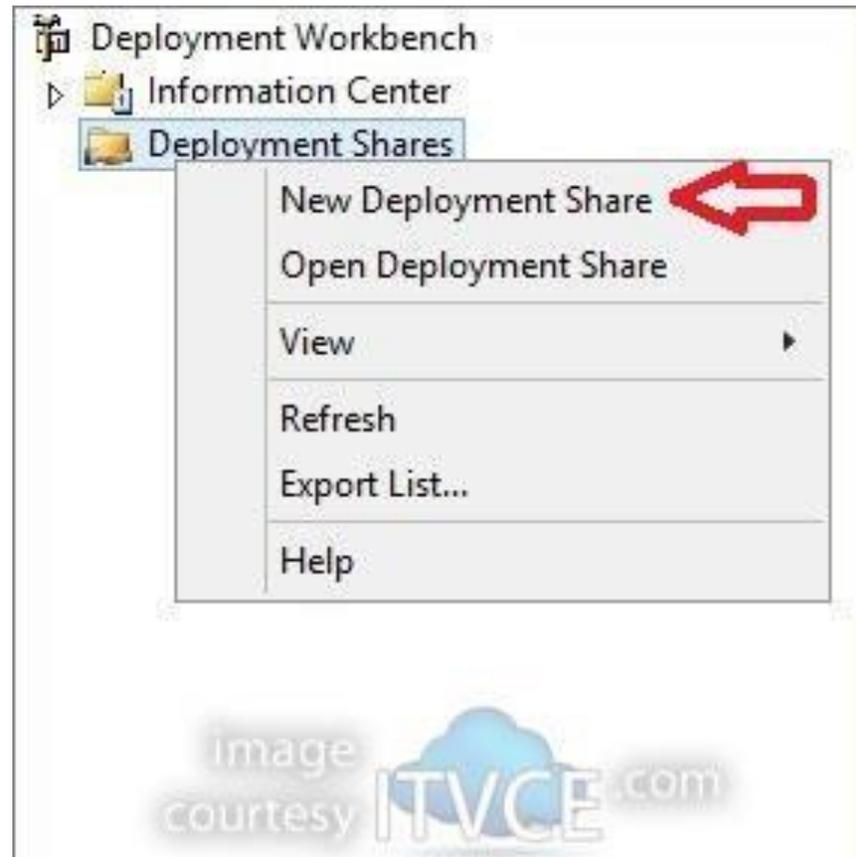


- **Configure New Deployment Share**

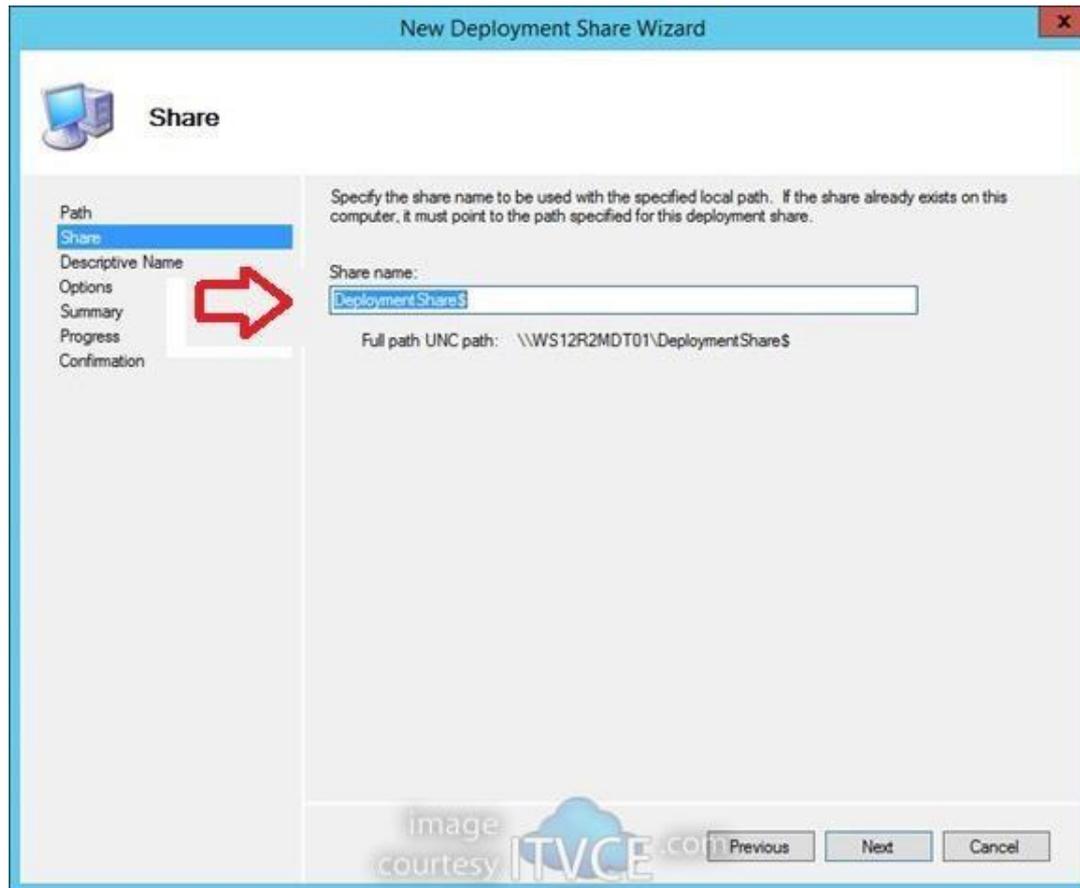
Right click **Deployment Shares** in the left navigation and select **New Deployment Share**



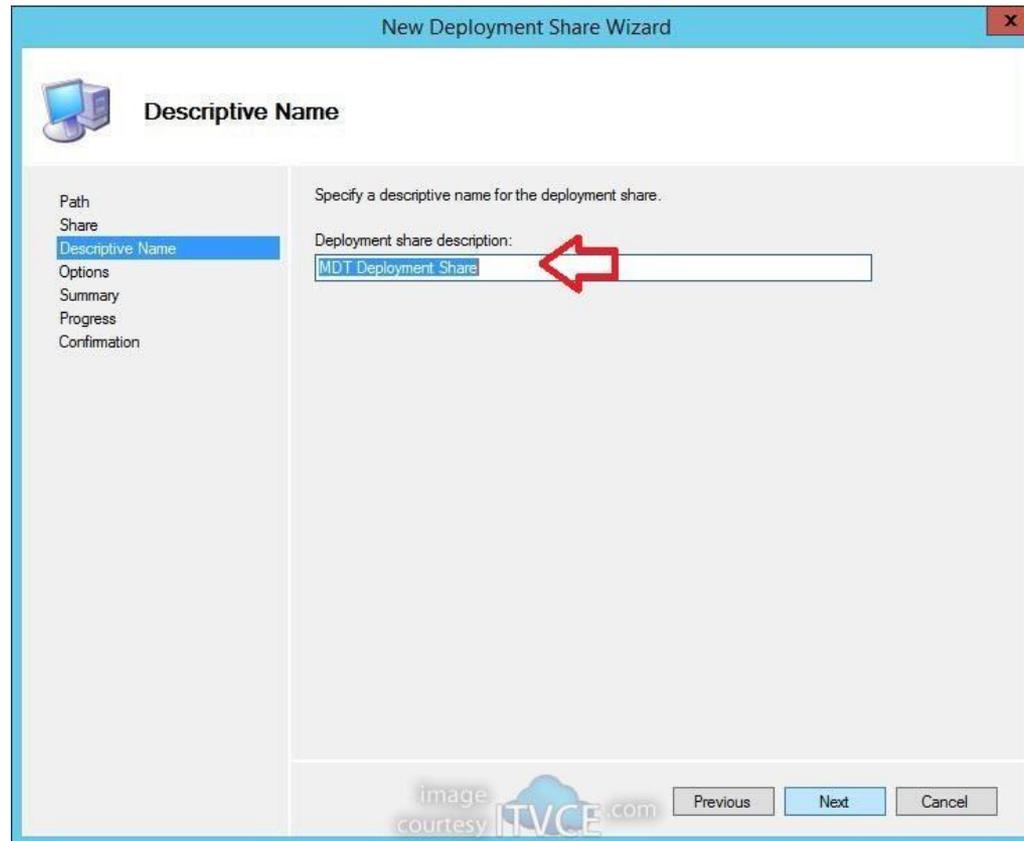
- Change the deployment share path



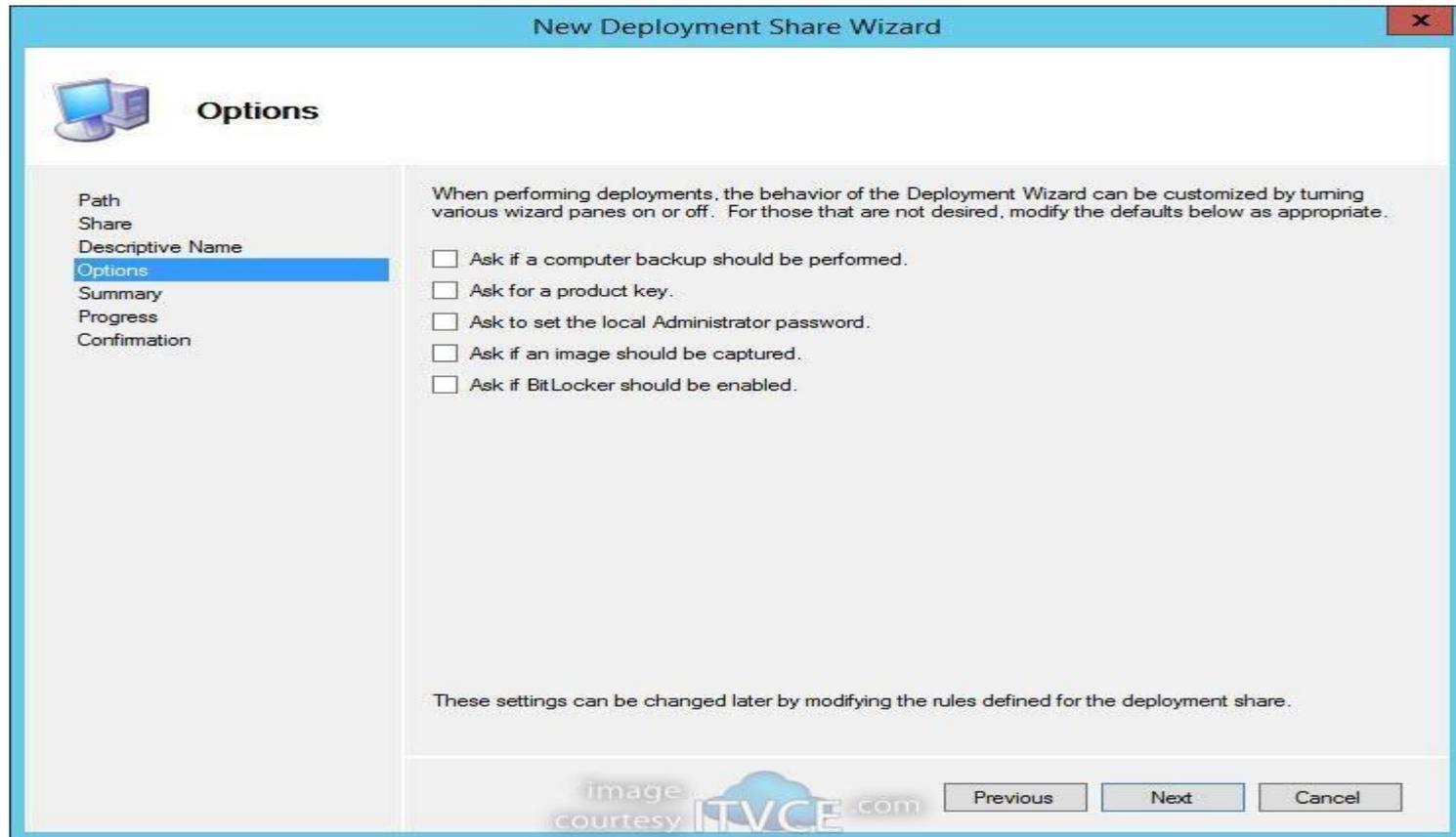
- Set Deployment Share Name



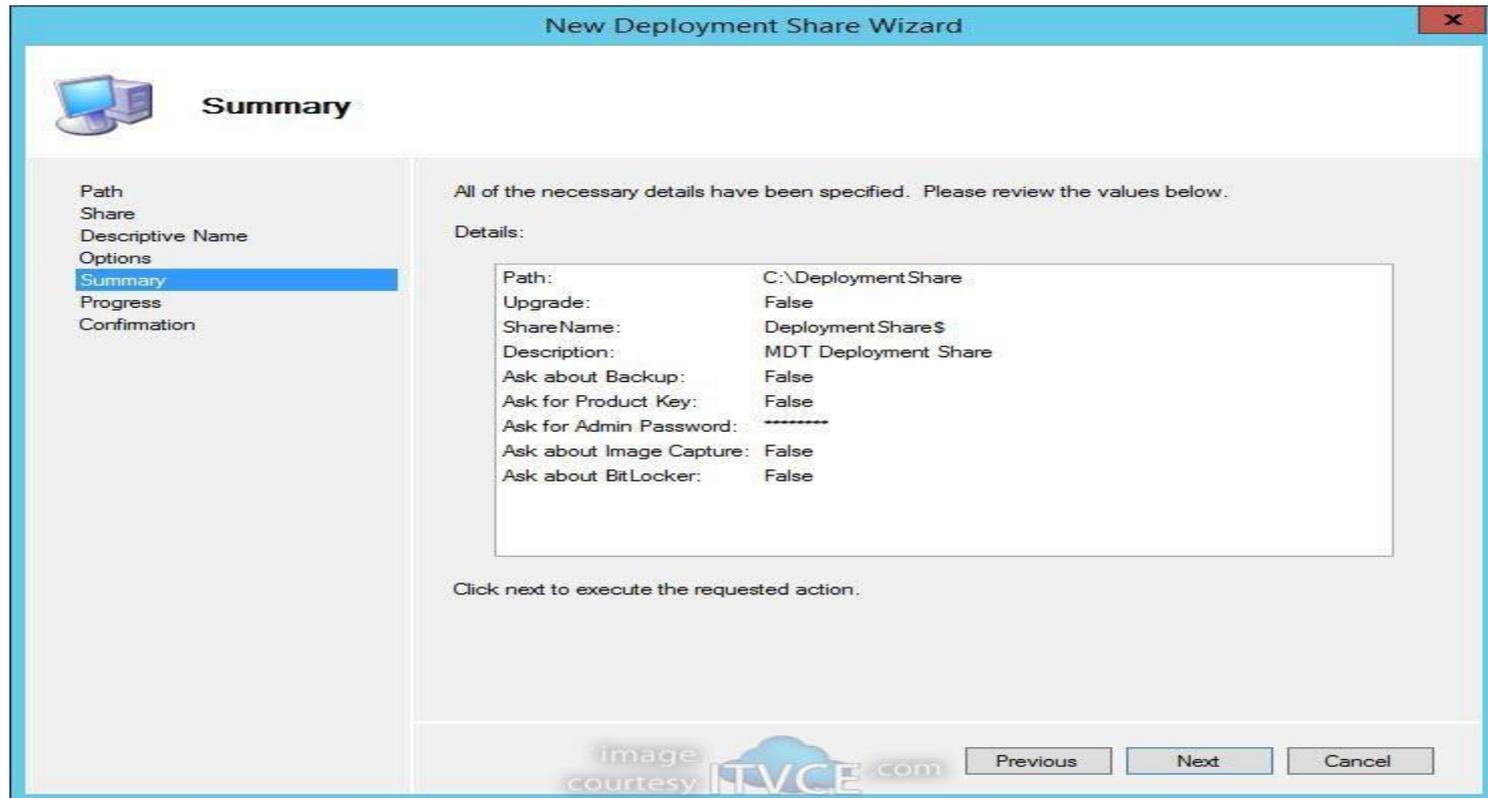
- Set Deployment Share Description



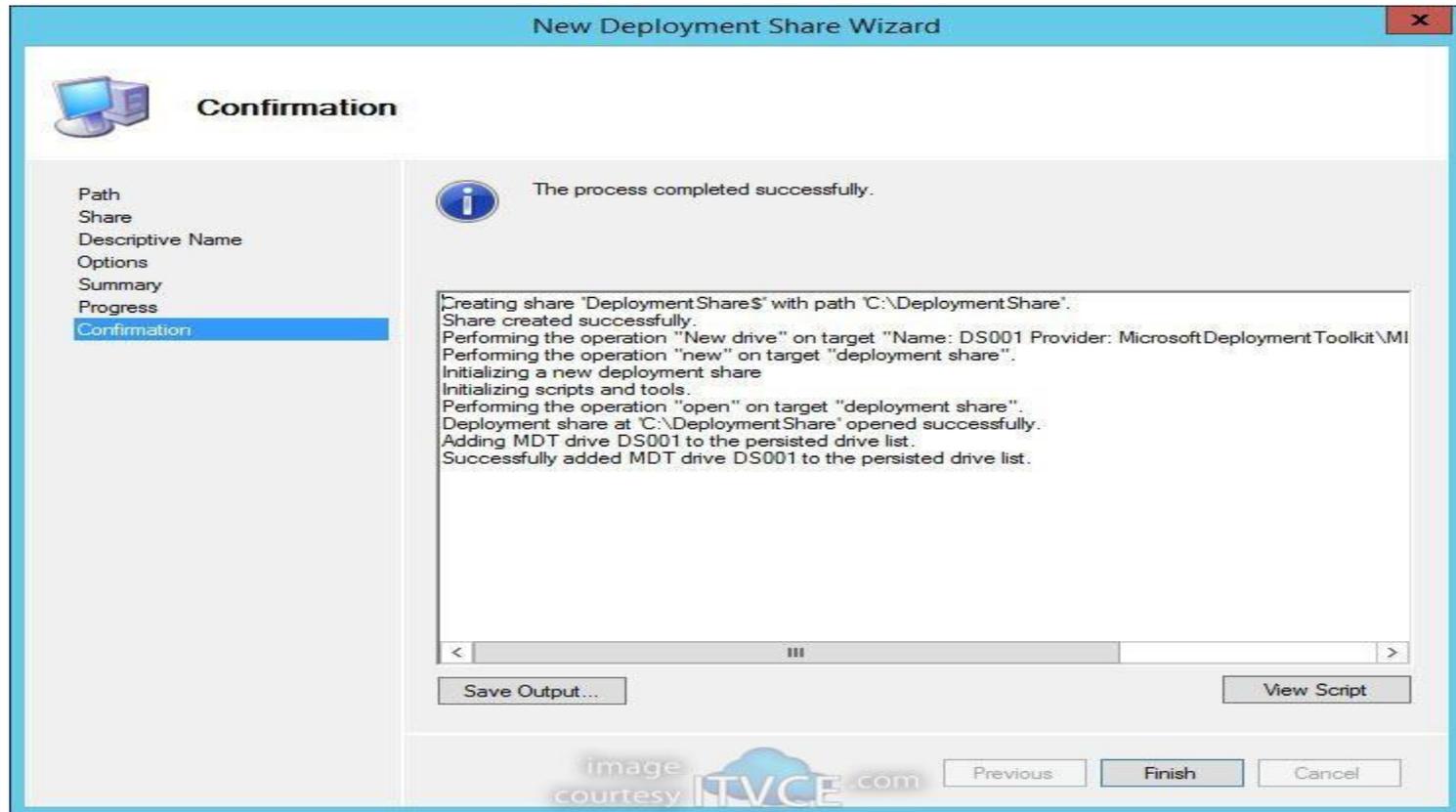
- Set deployment Share Options



- Review Summary

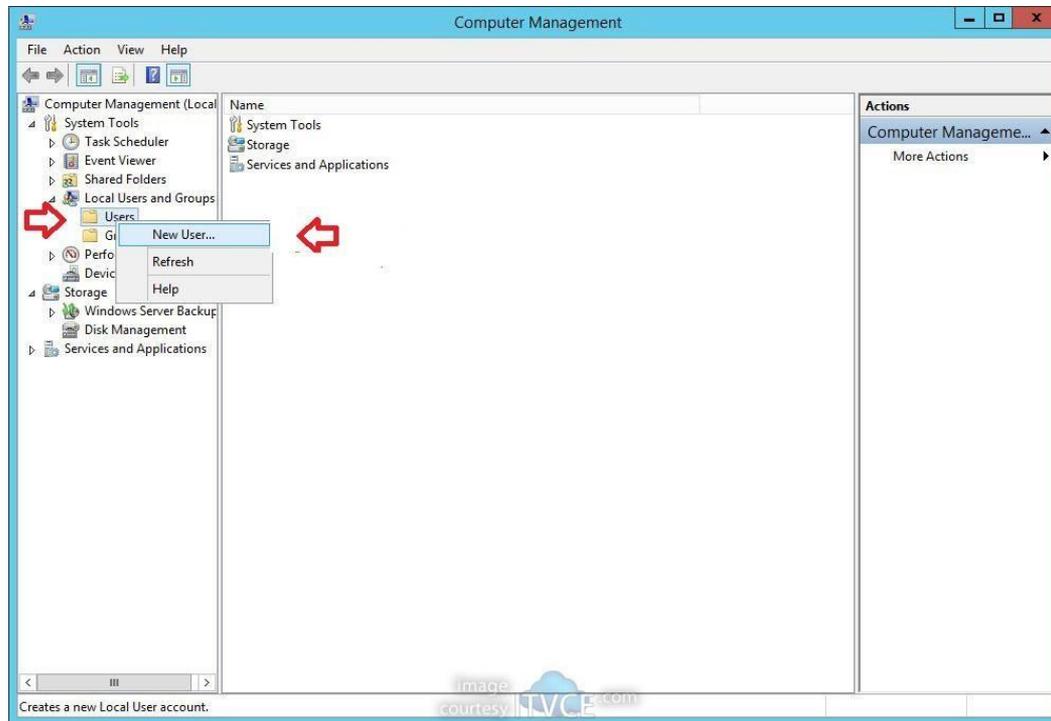


- Finish and Generate



MDT Service Account

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



Deployment Share Properties

MDT Service Account Create Local User and set password to “Never expires”

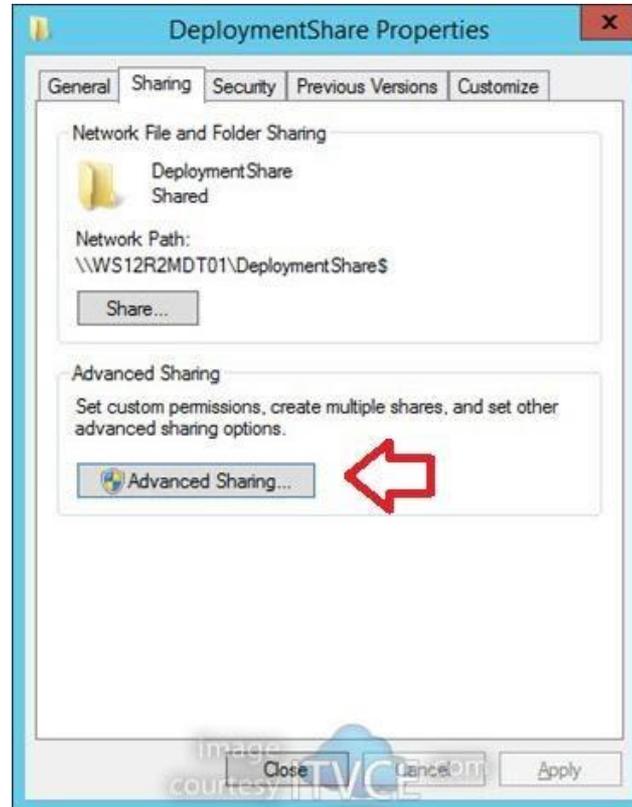
The screenshot shows the 'New User' dialog box with the following fields and options:

- User name: MDT
- Full name: (empty)
- Description: (empty)
- Password: (masked with dots, red arrow pointing to the field)
- Confirm password: (masked with dots, red arrow pointing to the field)
- User must change password at next logon
- User cannot change password
- Password never expires (red arrow pointing to the checkbox)
- Account is disabled

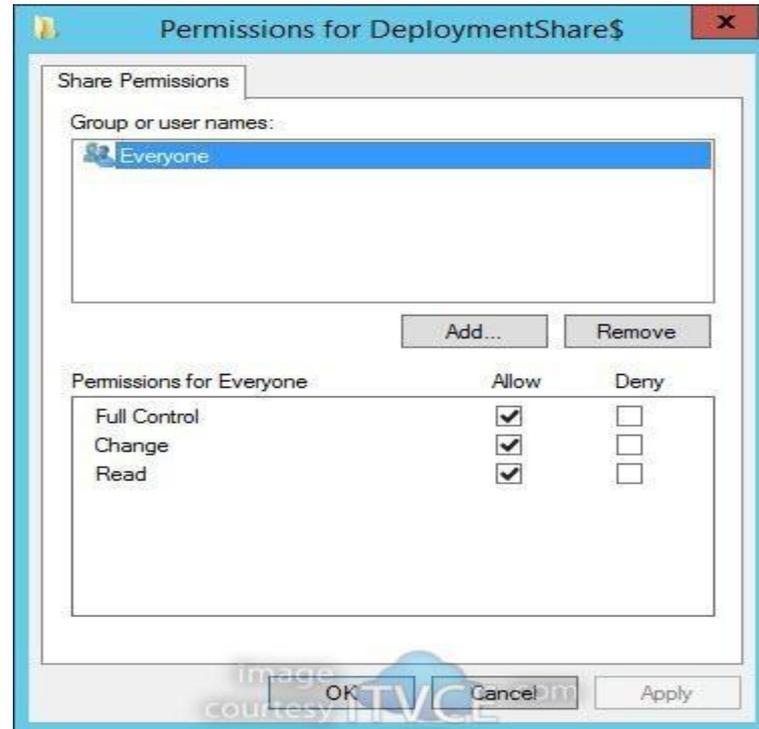
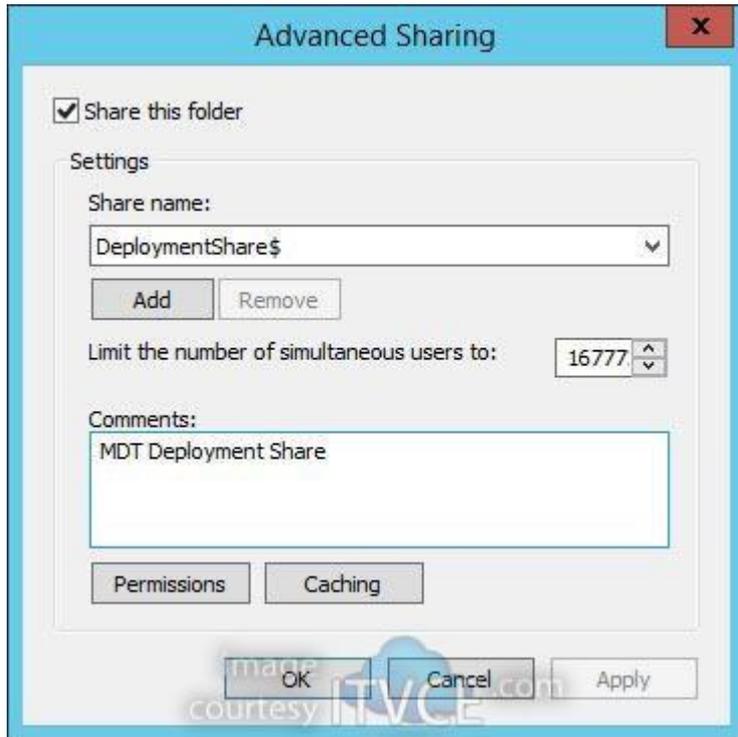
Buttons at the bottom: Help, Create (highlighted), Close.

Watermark: image courtesy ITVCE

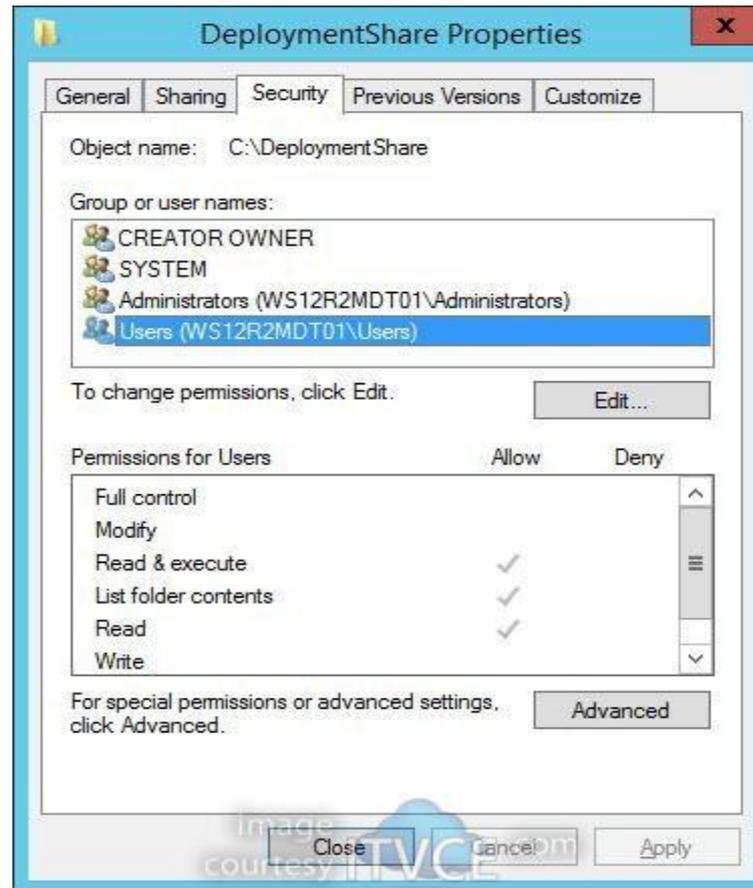
- Identify Share Folder Right Click



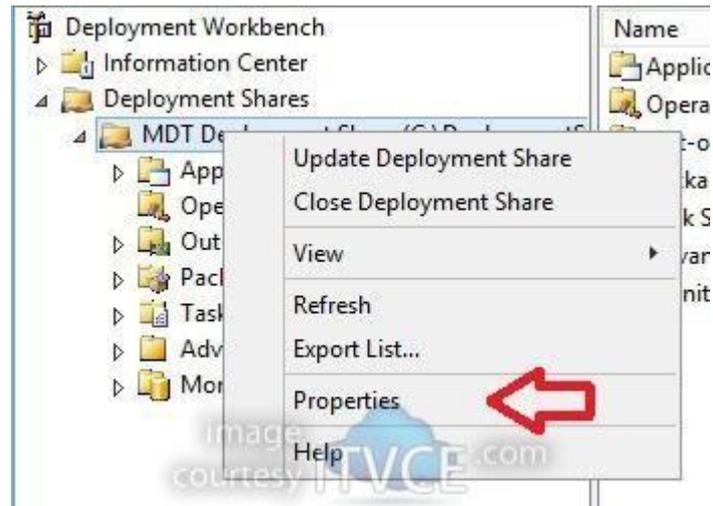
- Set Permission

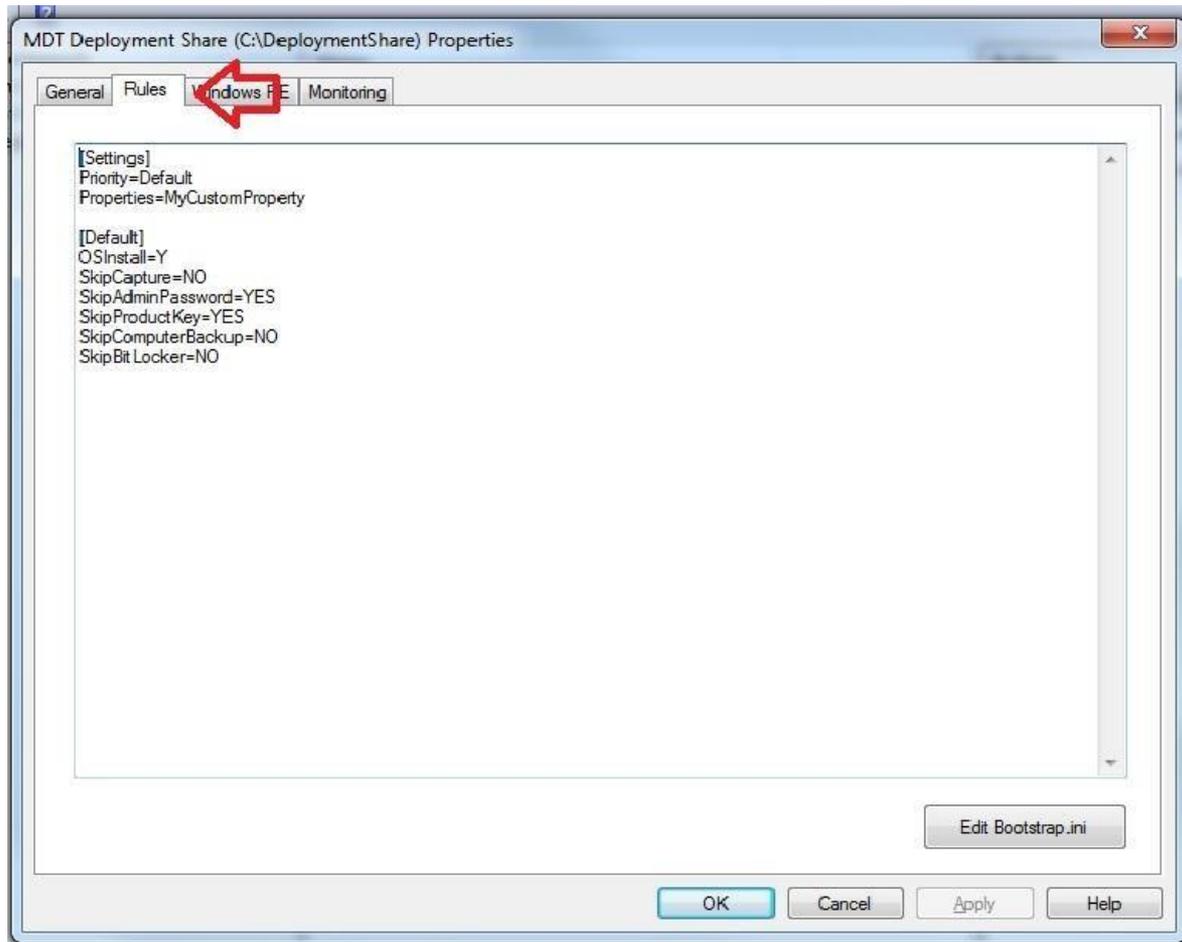


- Click Security Tab and review permissions

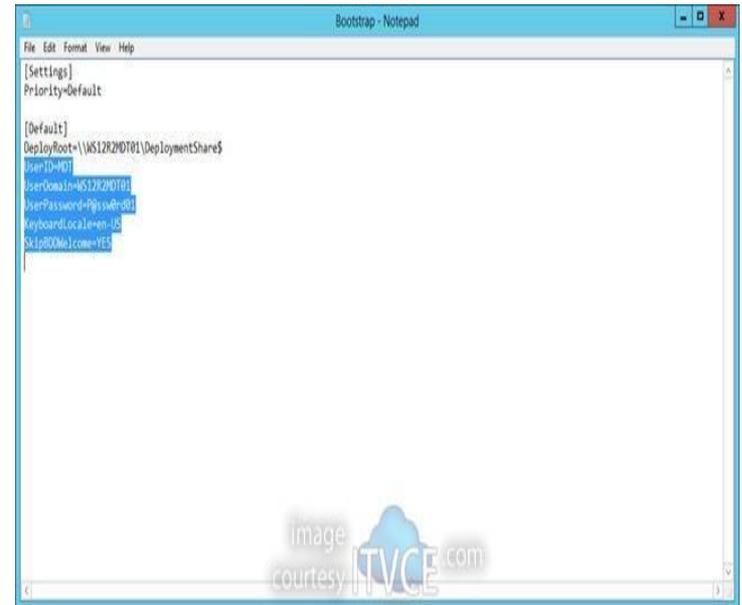


- Set share Rules





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



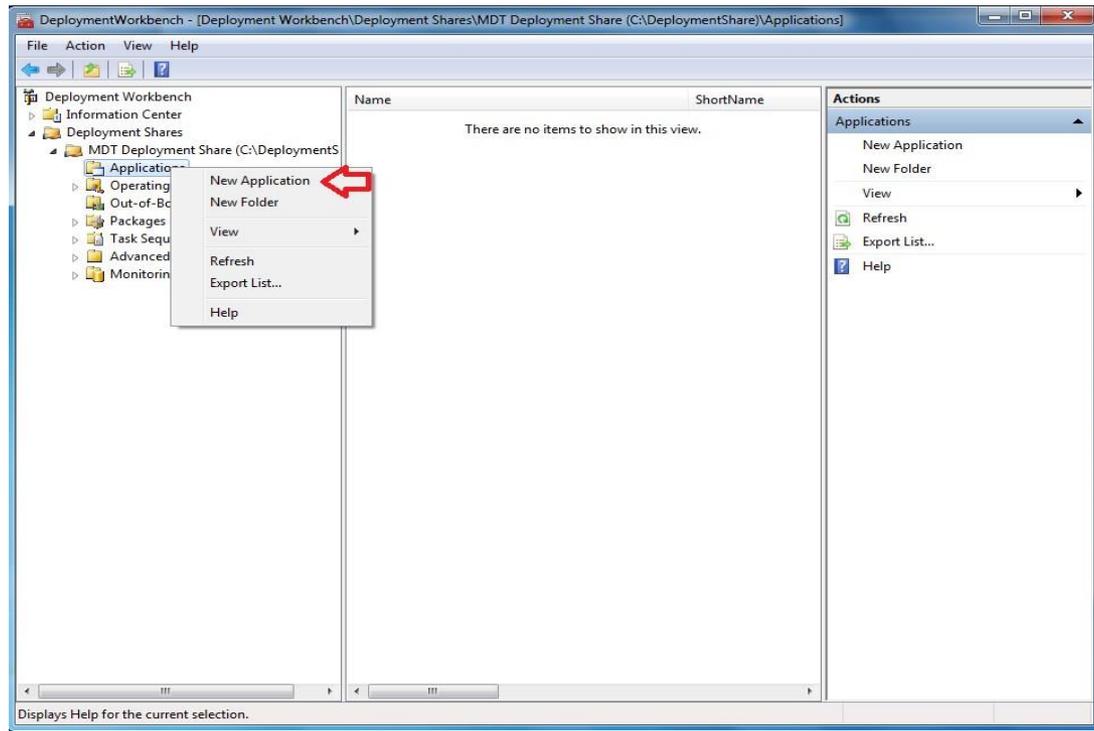
```
File Edit Format View Help
[Settings]
Priority=Default

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

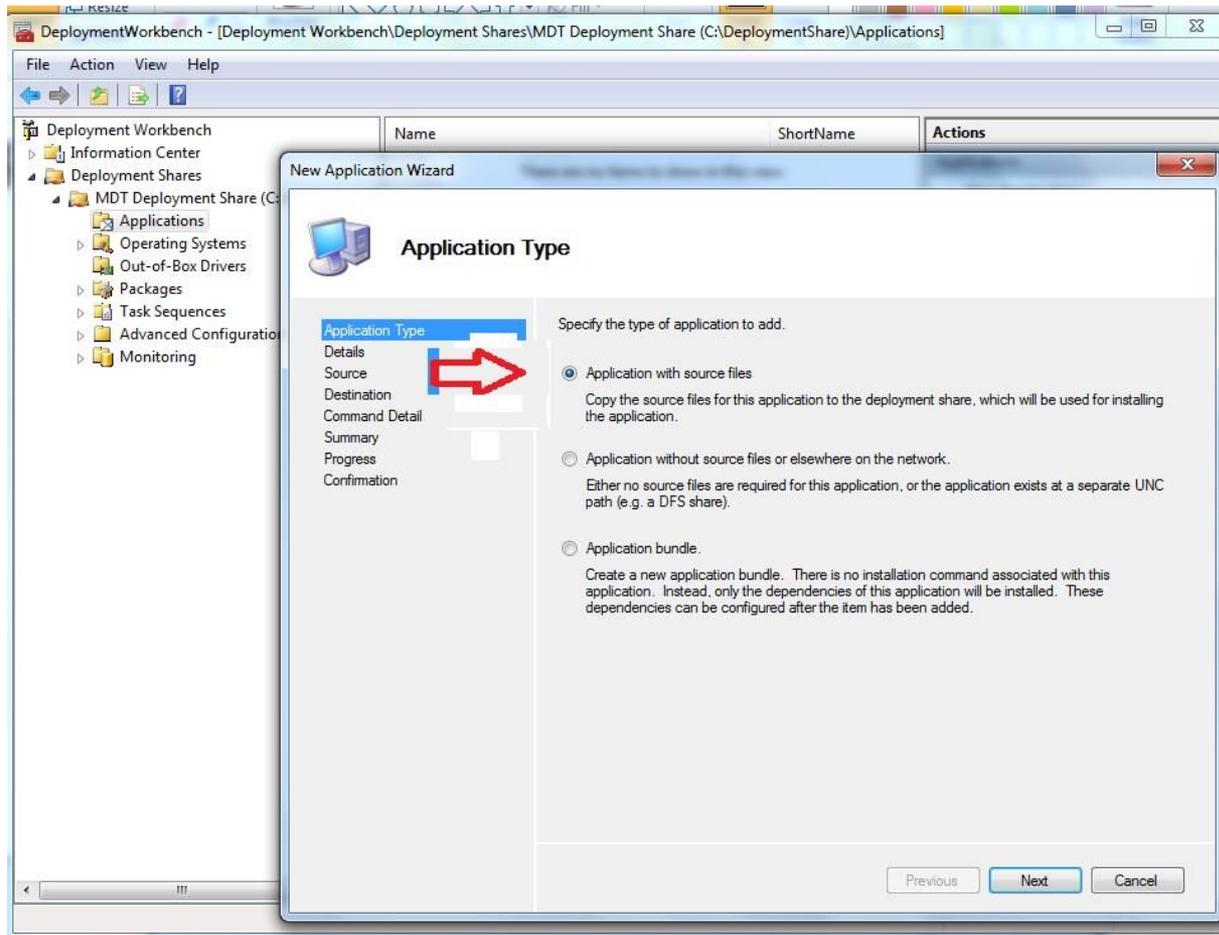
image
courtesy ITVCE.com

Set Deployment Share Rules

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

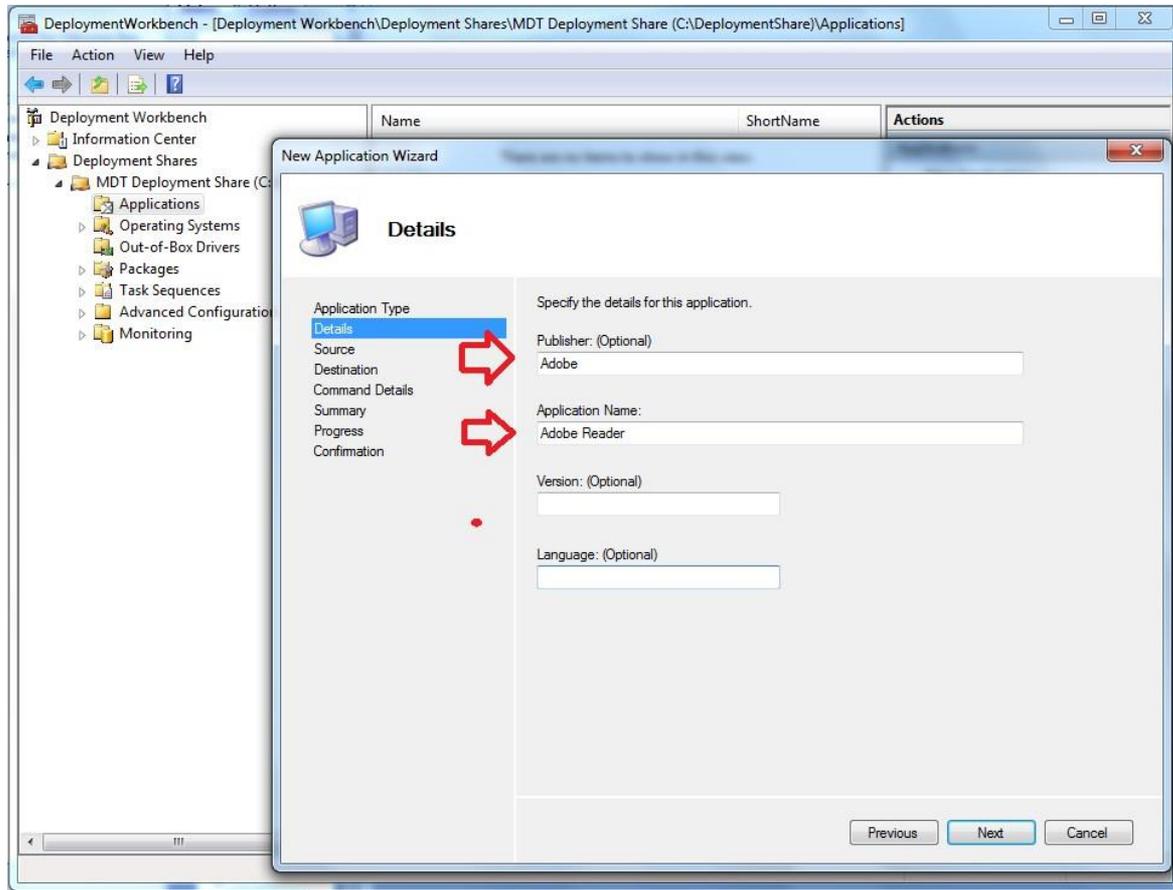


- Set application type

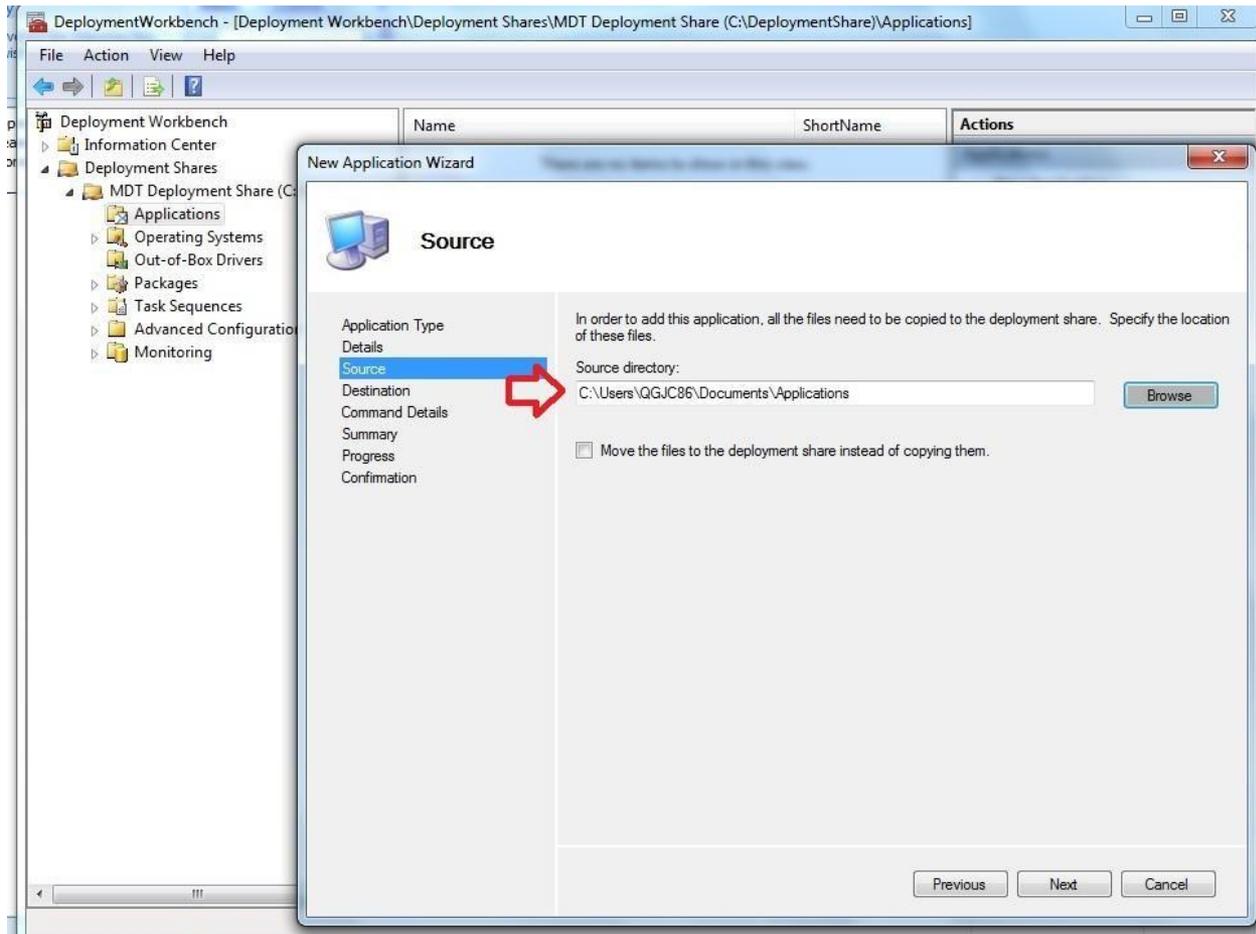


• Import Applications

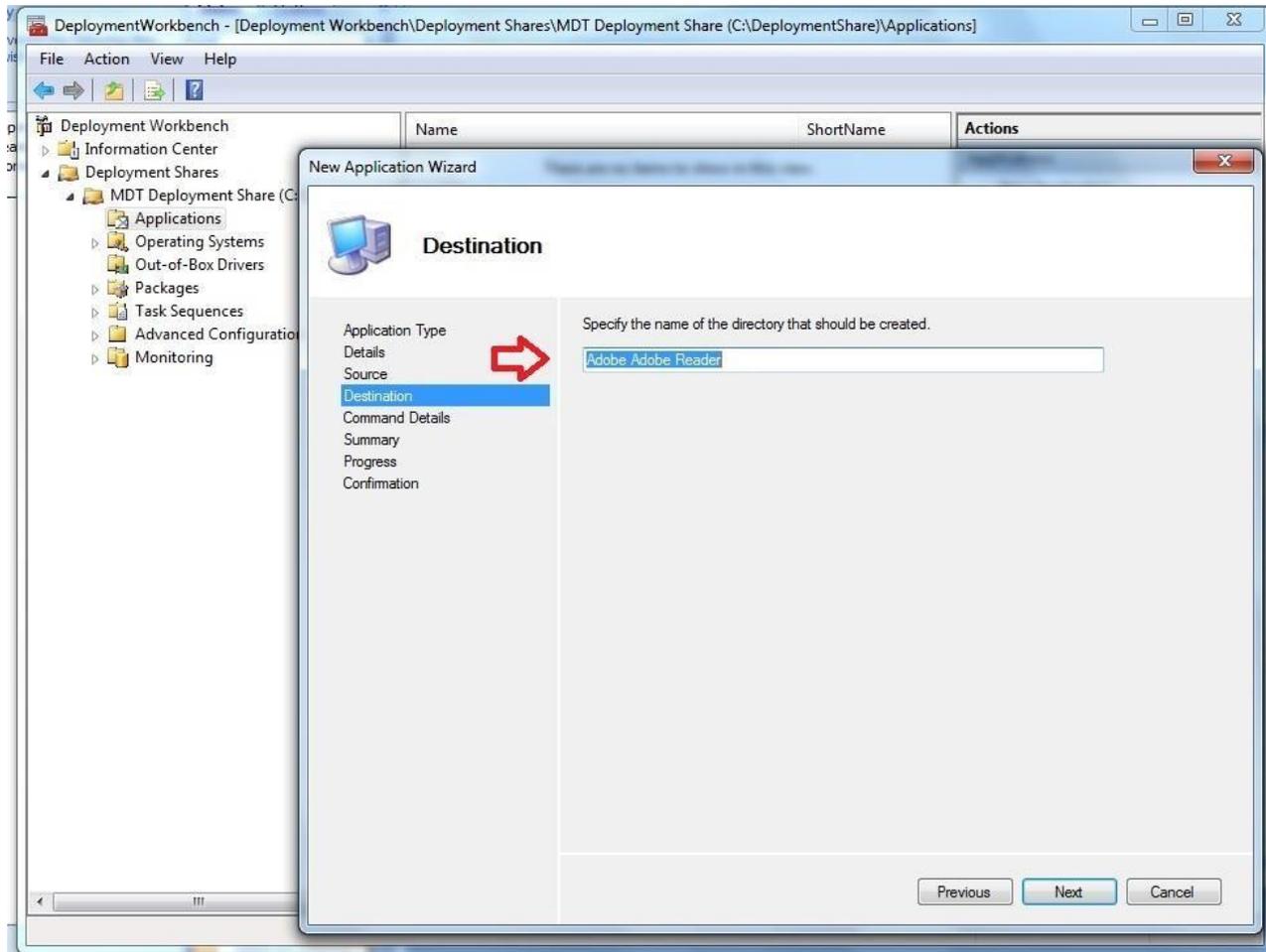
Set application details



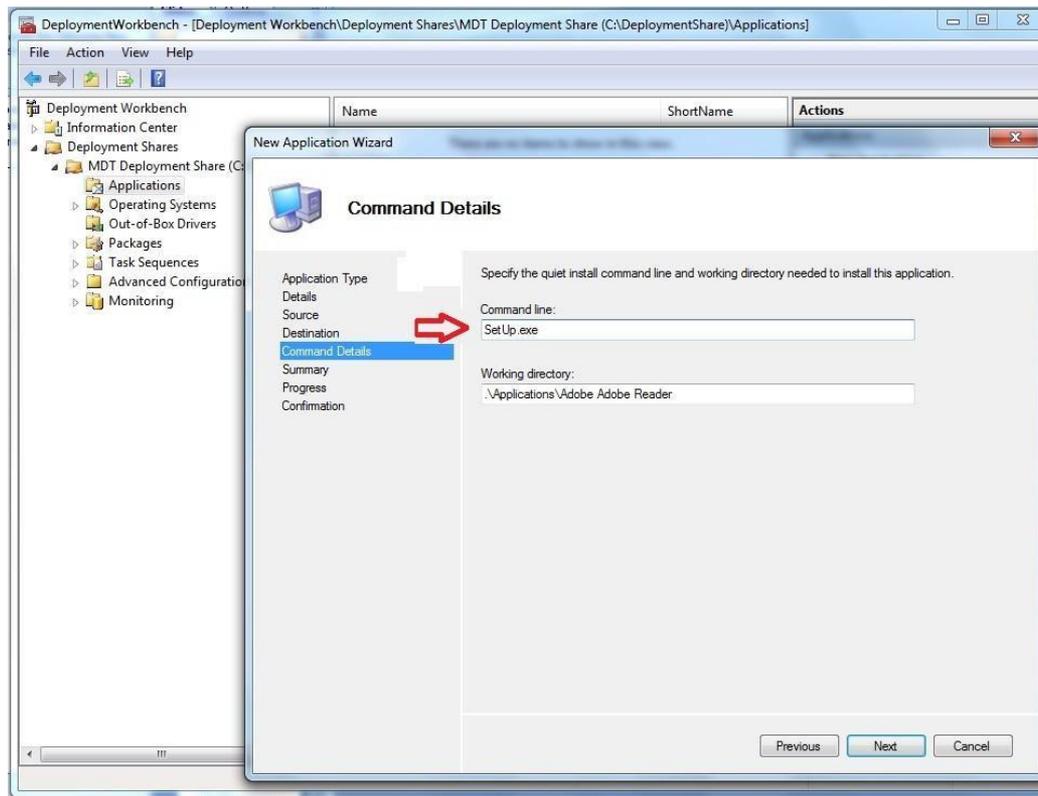
- Set application source



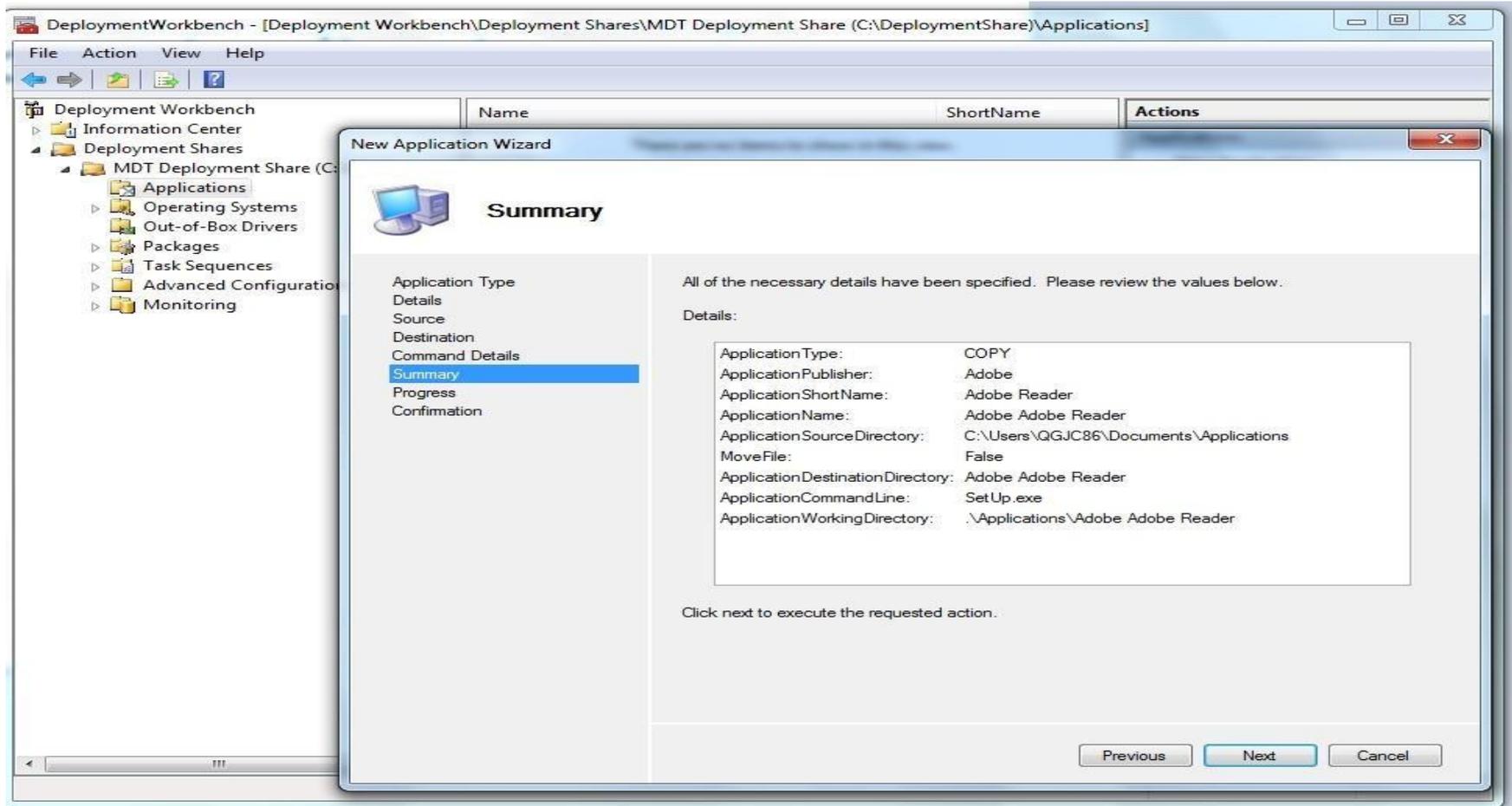
- Set Destination directory



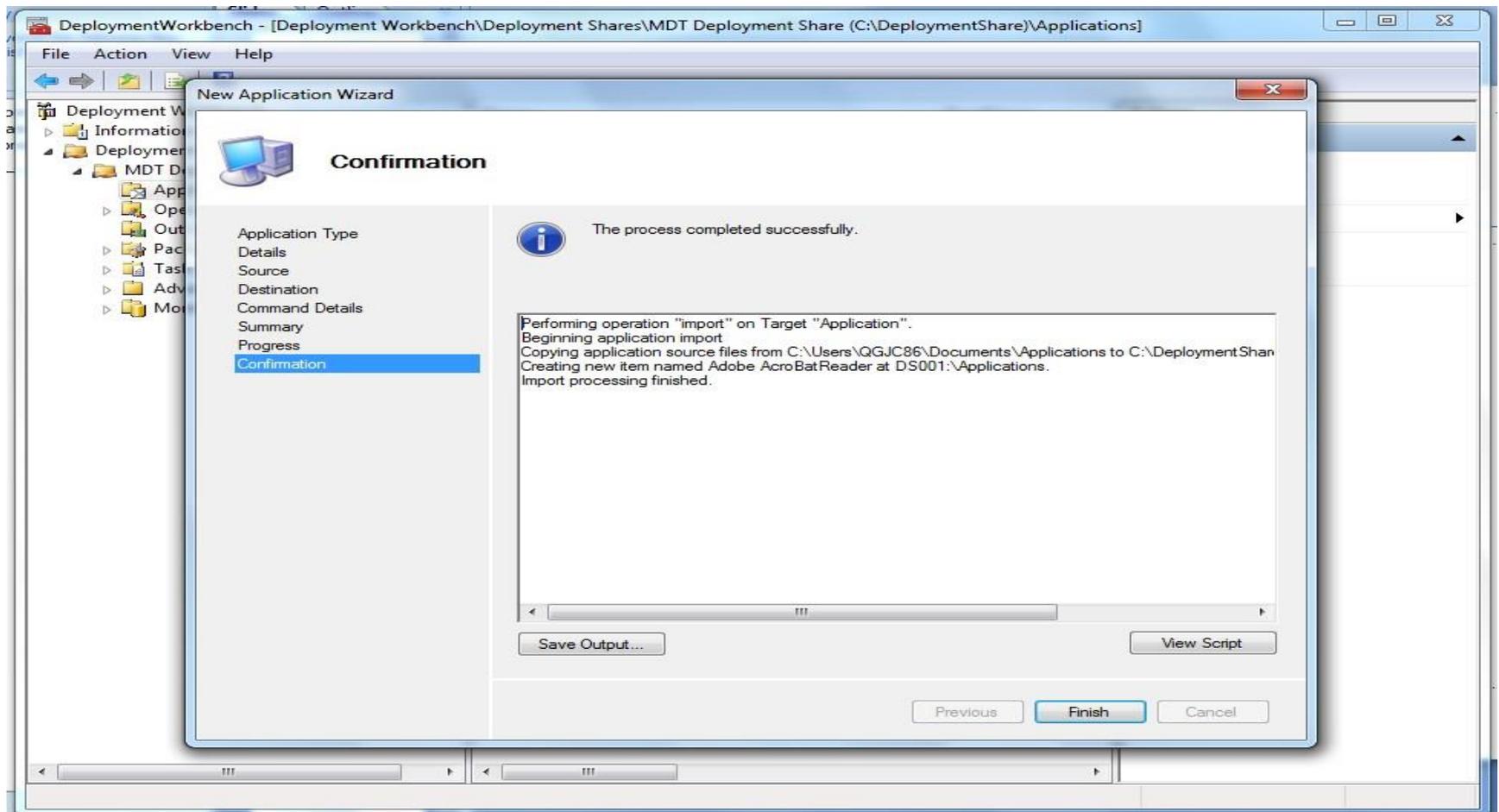
- Set Command Line instructions to install application on target host/Hosts



- Review application summary

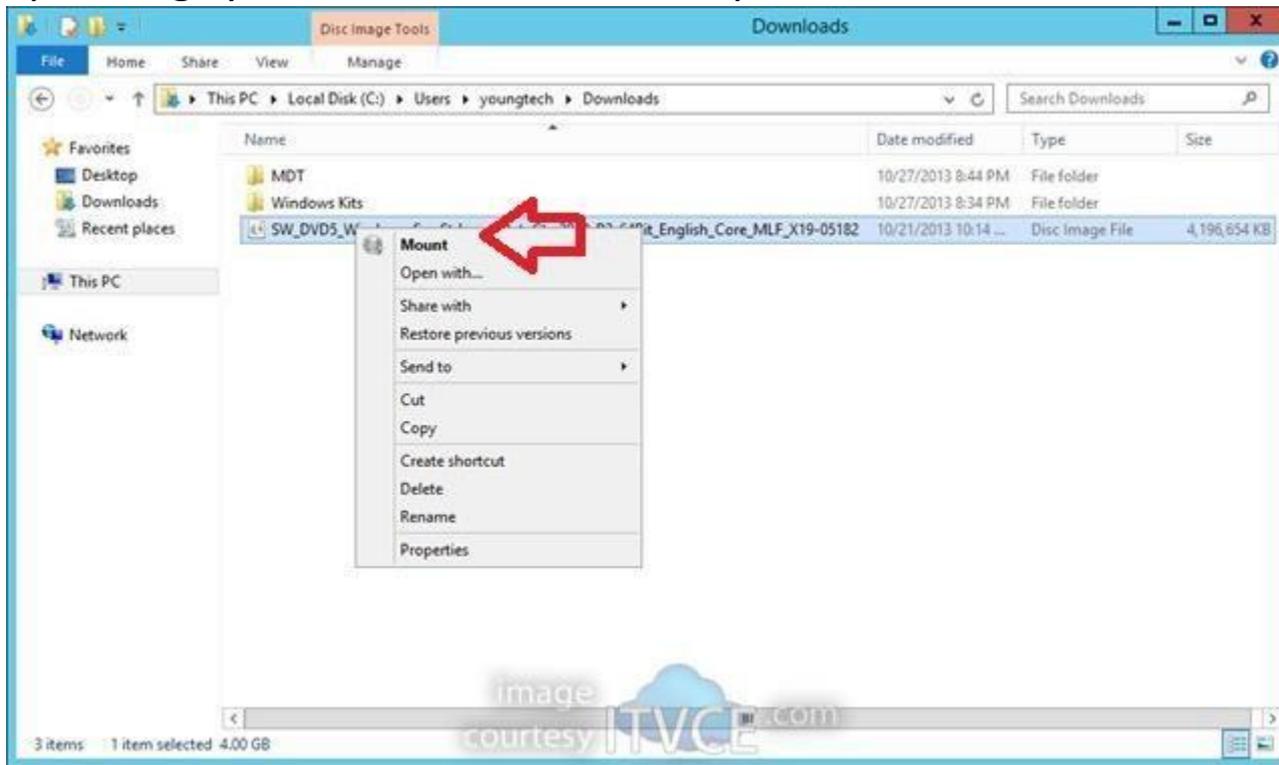


- Confirm & finish

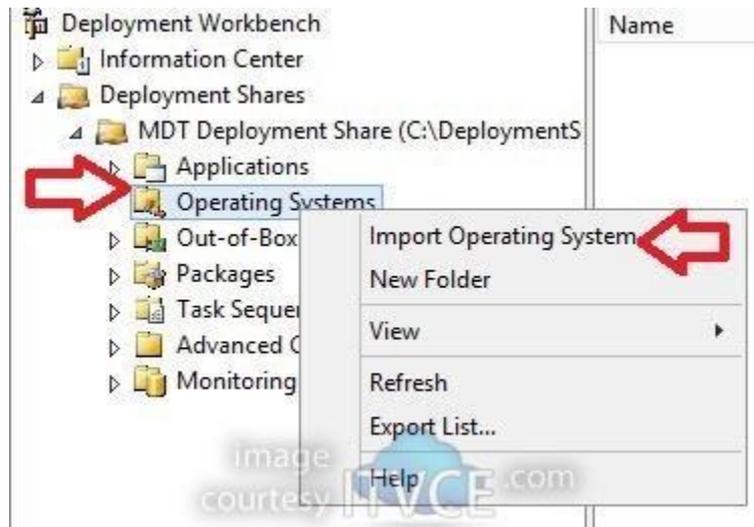


• Import The OS Image

Mount the operating system ISO and record the path



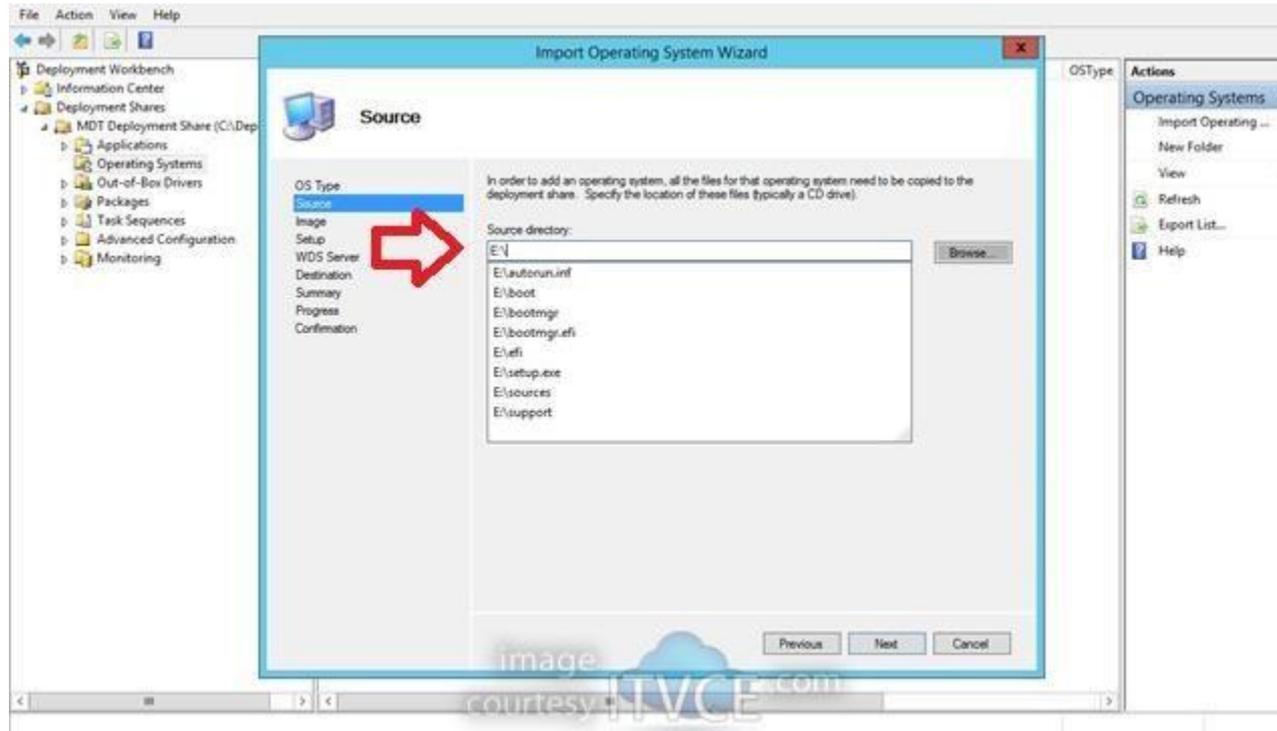
- In the Deployment workbench go to the share and operating system



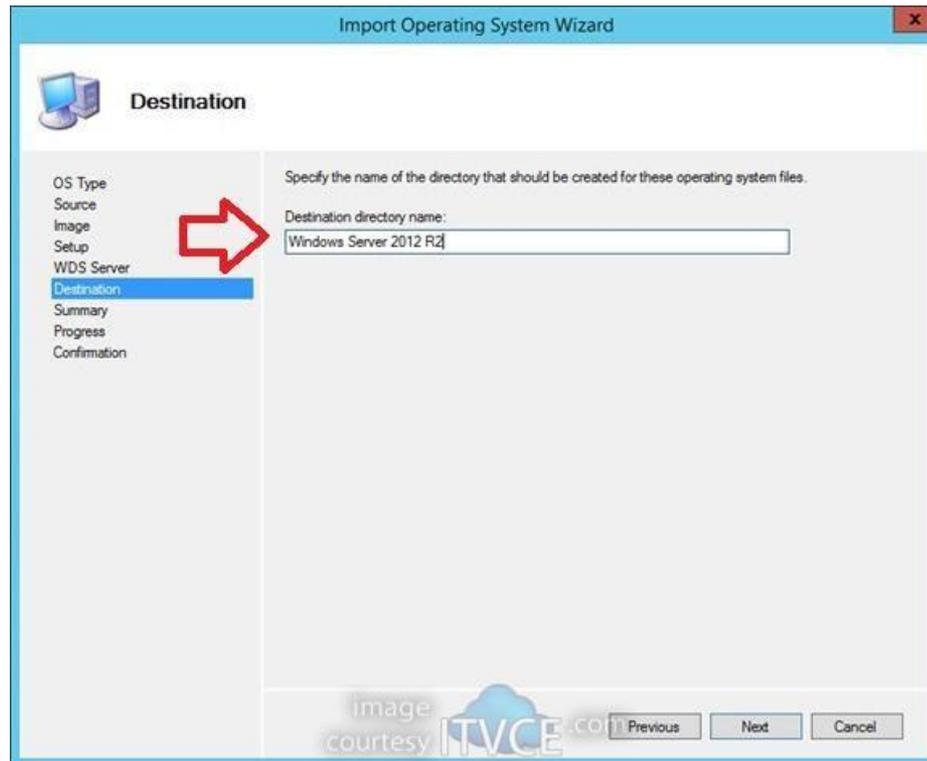
- Select full set of source files



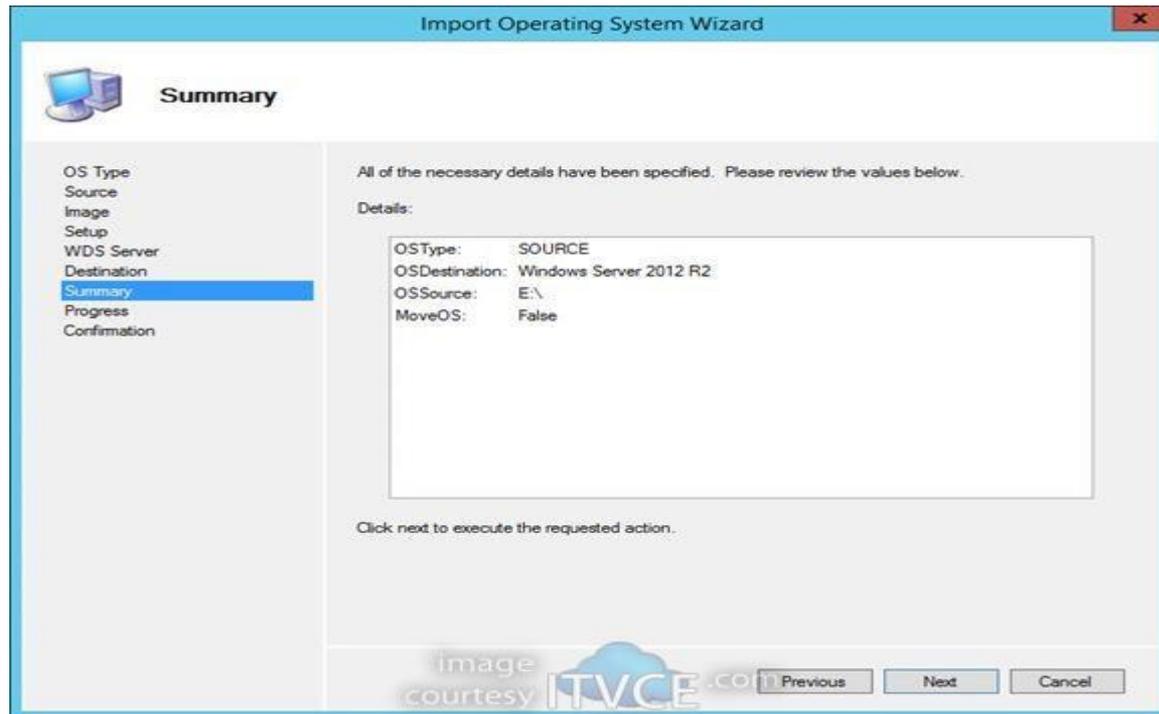
- Point to the source directory



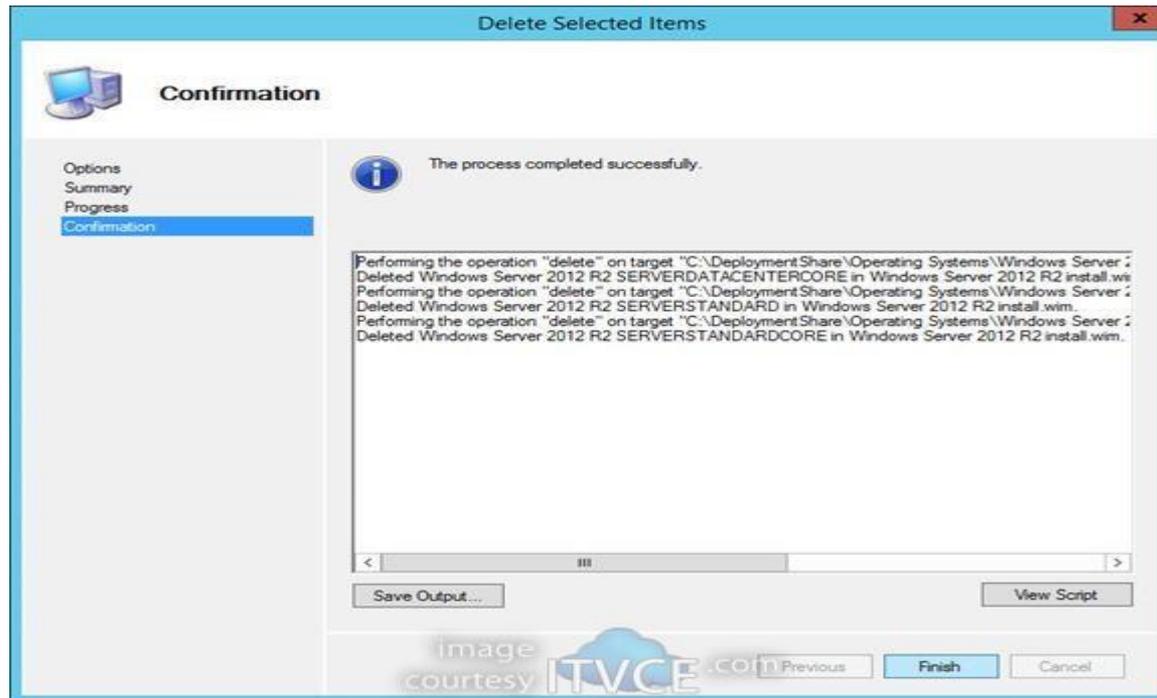
- Name the Destination Directory



- Review the summary

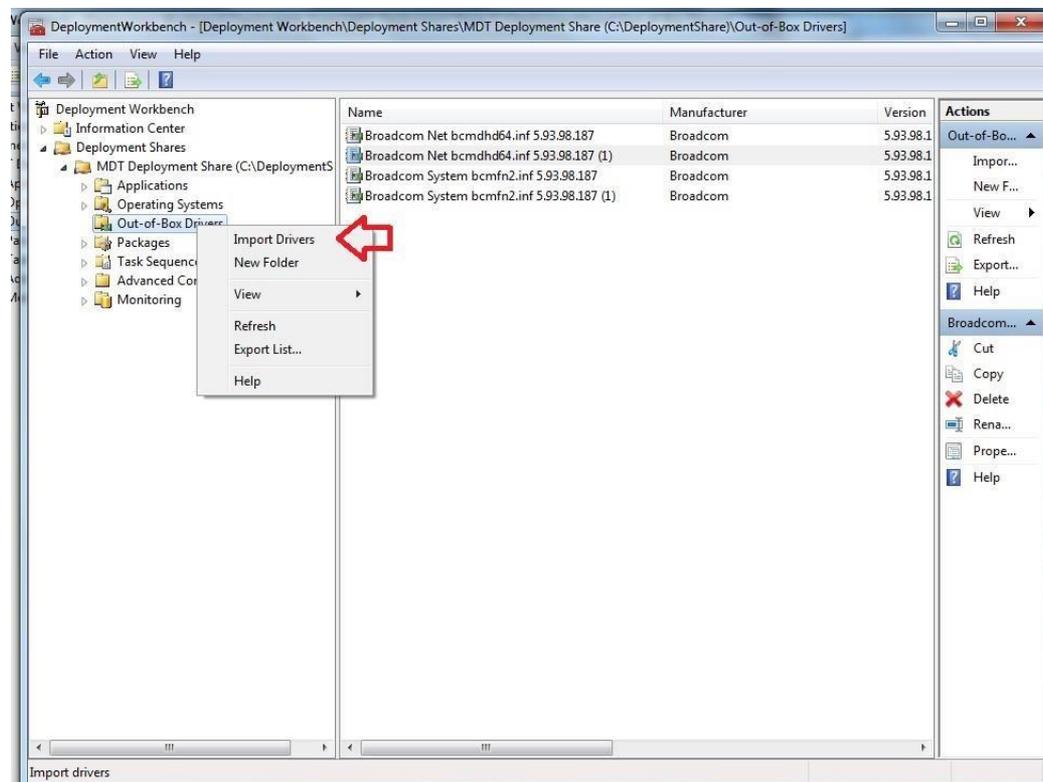


- View confirmation

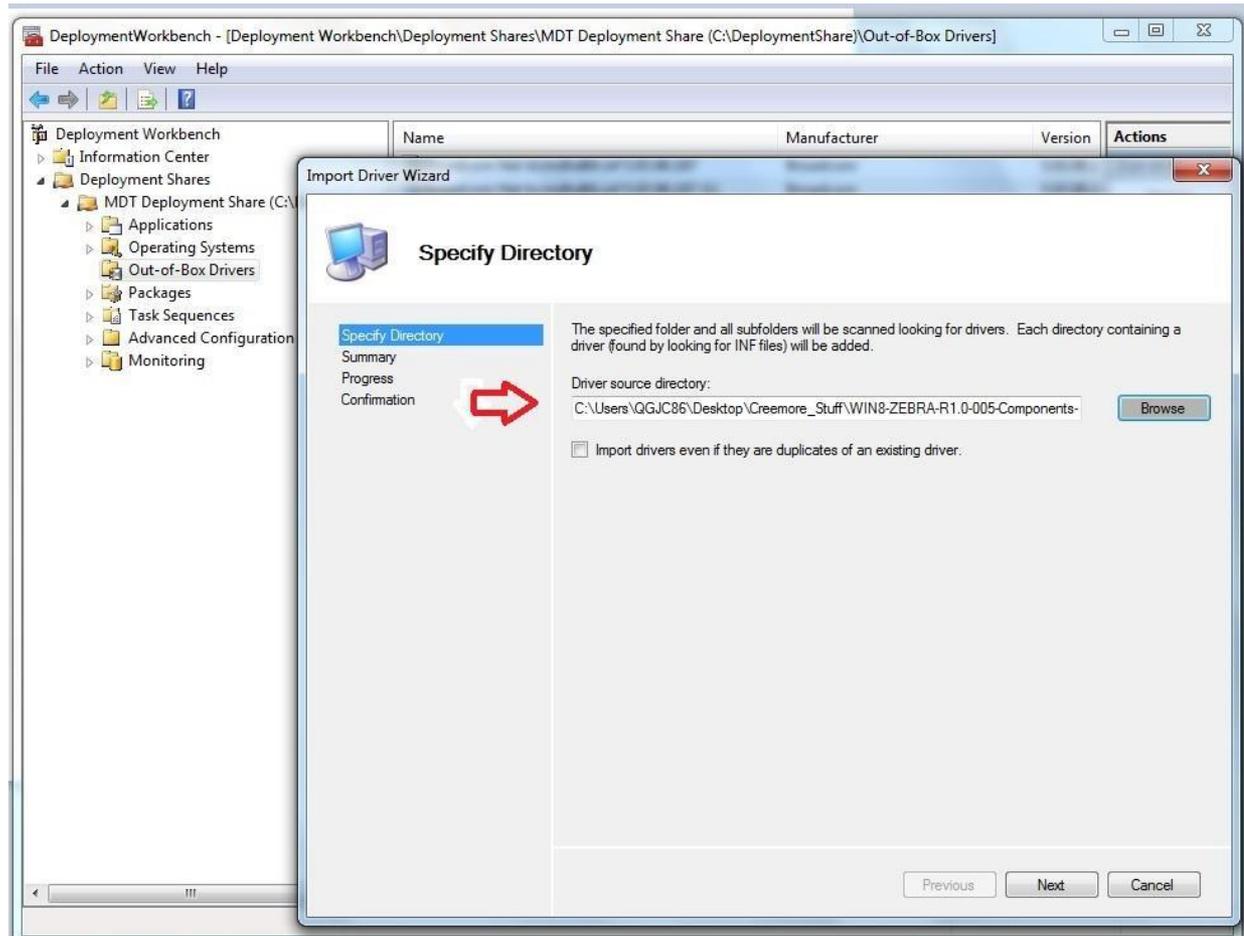


- Import The drivers

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

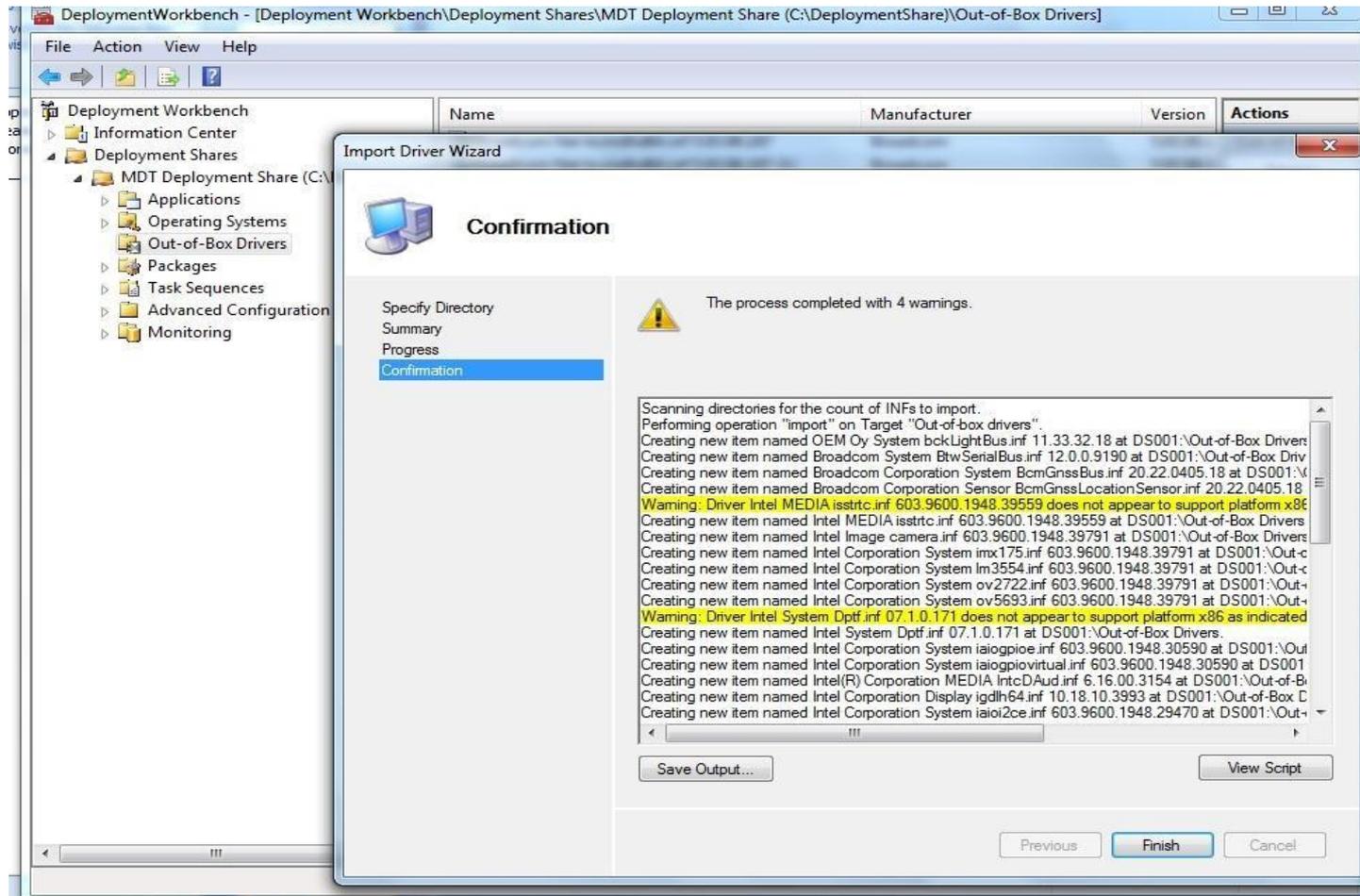


- Specify the source directory for the drivers



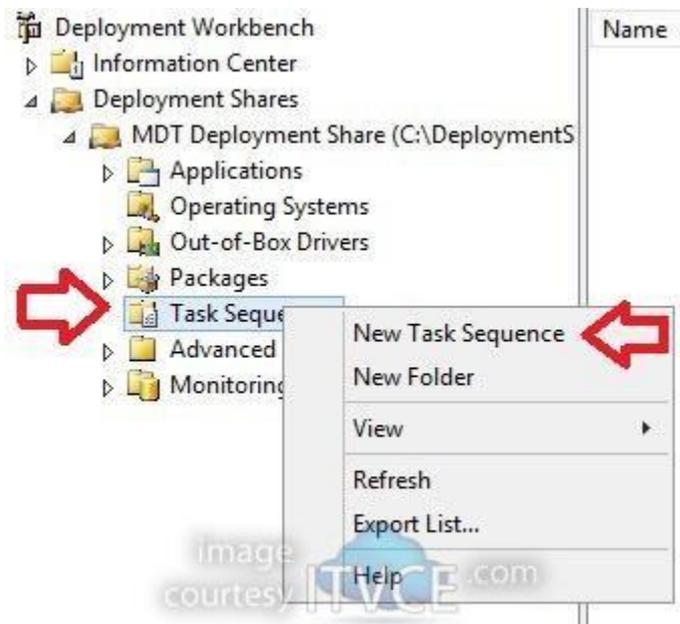
.Configure Task Sequence

Hit next and Import the drivers

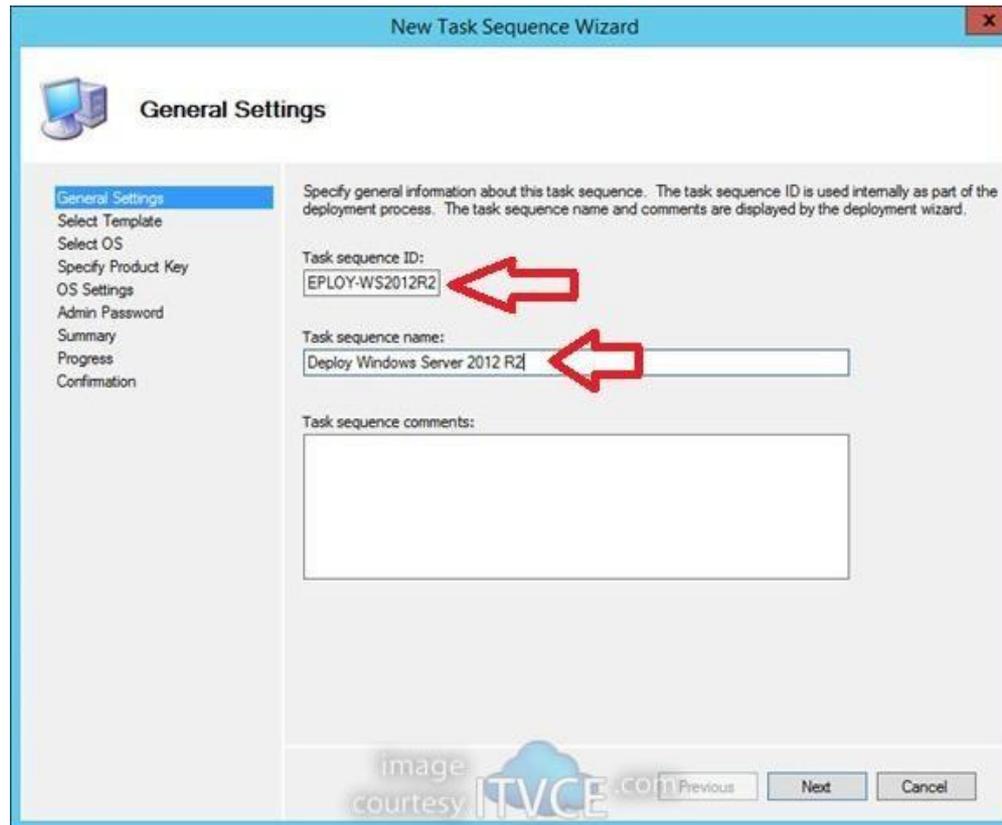


- Configure Task Sequence

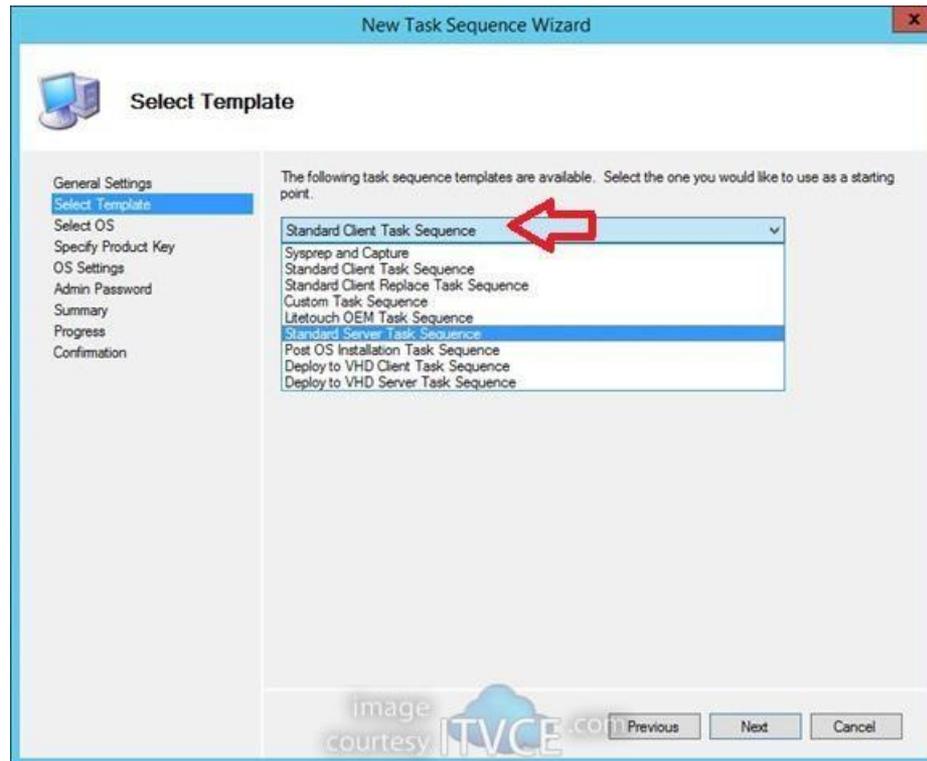
Go to the Deployment Workbench and select Task Sequence in the deployment share



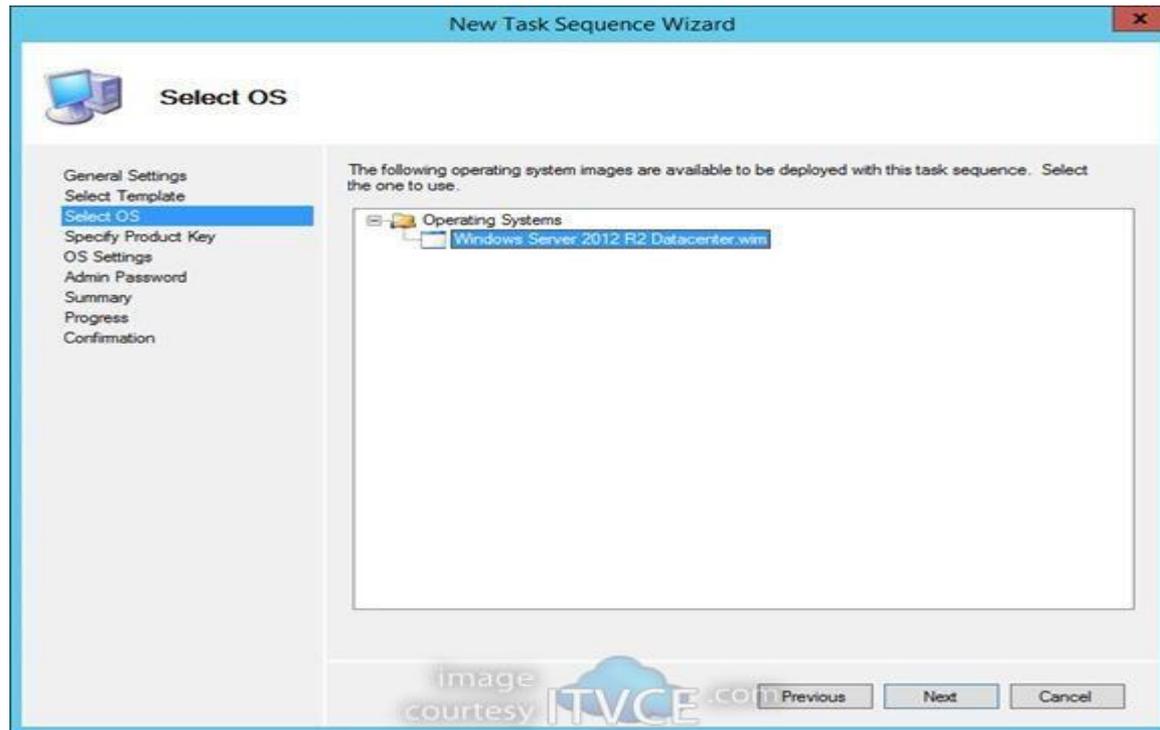
- Set general settings



- Select Template



- Select OS



- Specify whether to use Product Key or not

The screenshot shows the 'New Task Sequence Wizard' window with the 'Specify Product Key' step selected in the left-hand navigation pane. The main area contains three radio button options for specifying a product key. The first option, 'Do not specify a product key at this time.', is selected. Below it is a descriptive paragraph. The second option is 'Specify a multiple activation key (MAK key) for activating this operating system.', followed by a paragraph and a text input field labeled 'MAK Product Key:'. The third option is 'Specify the product key for this operating system.', followed by a paragraph and a text input field labeled 'Product Key:'. At the bottom right, there are three buttons: 'Previous', 'Next', and 'Cancel'. A watermark for '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

- Specify OS Settings

New Task Sequence Wizard

OS Settings

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

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.

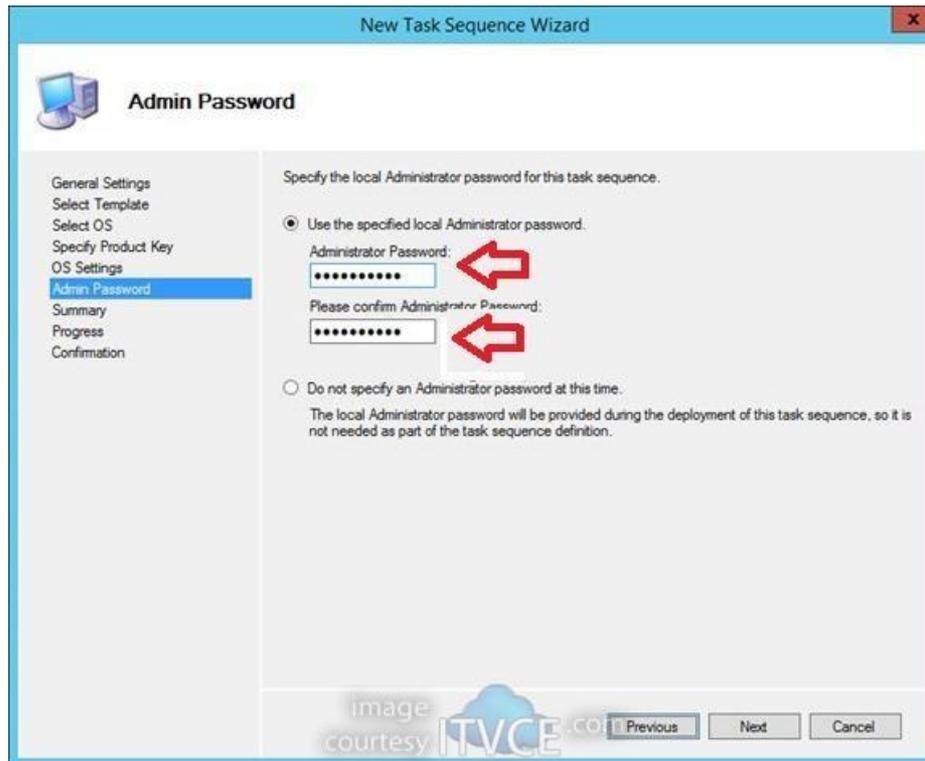
Full Name:
 ←

Organization:
 ←

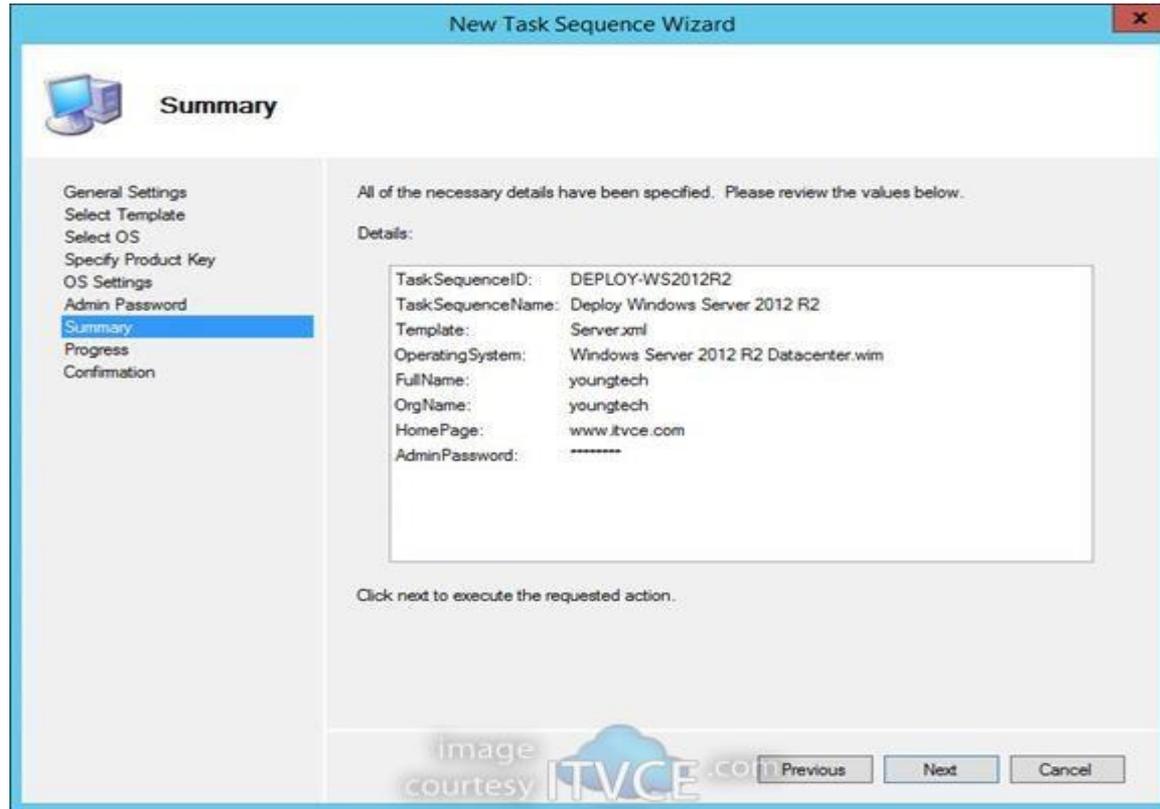
Internet Explorer Home Page:
 ←

image courtesy ITVCE .com Previous Next Cancel

- Set Admin Password

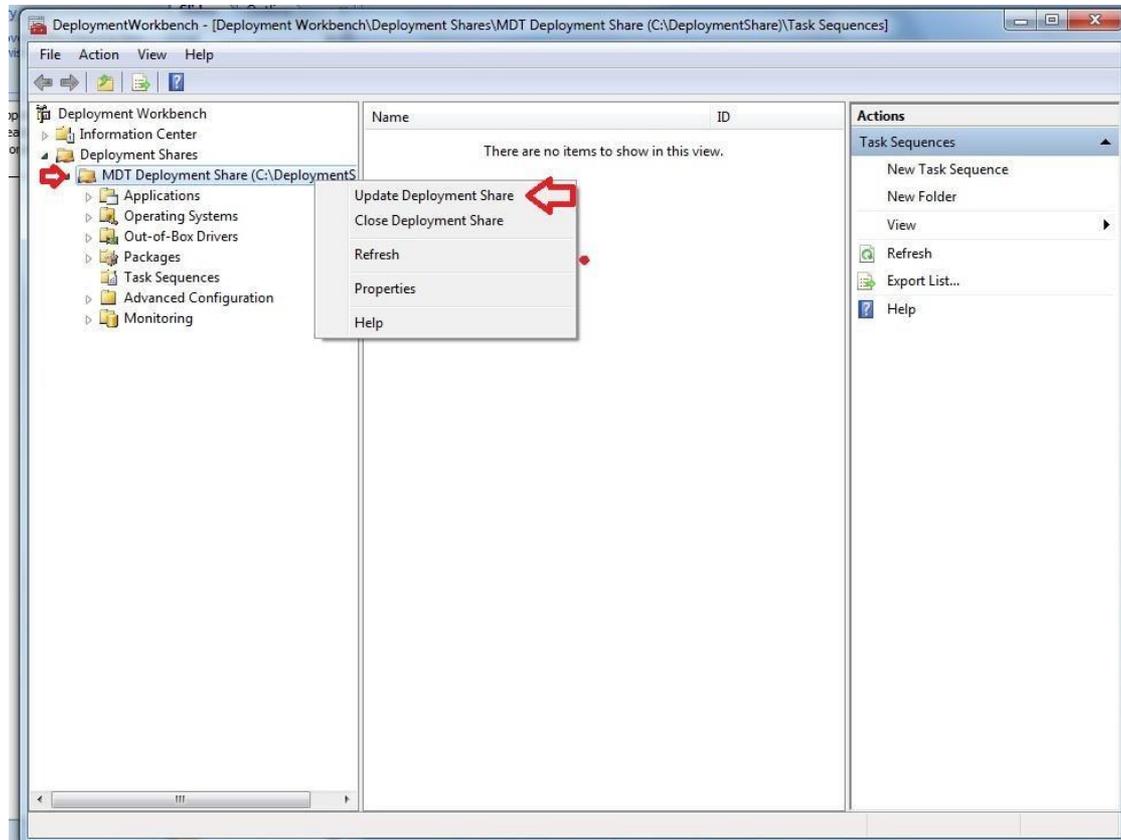


- View Summary

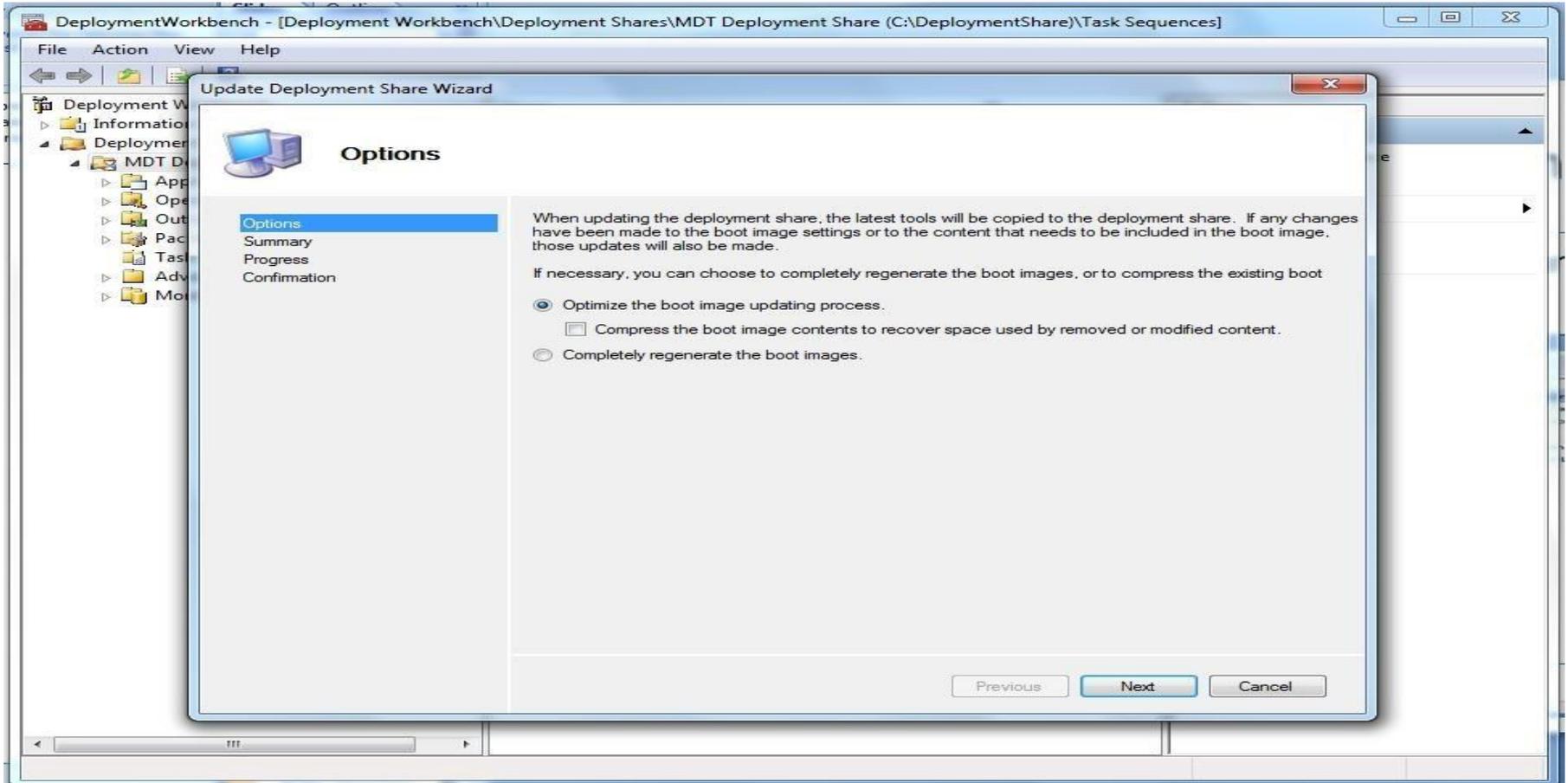


- Update The Deployment share

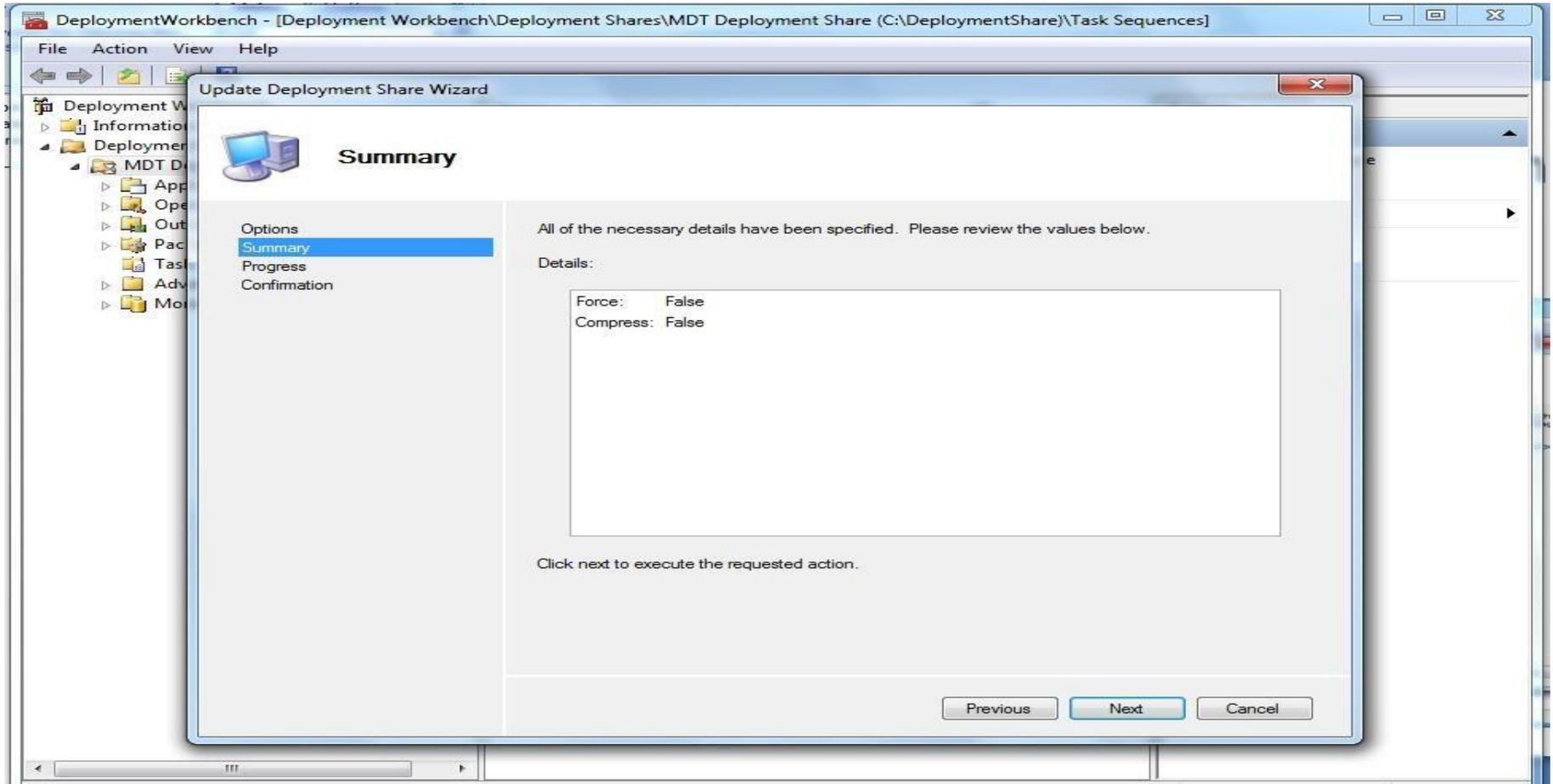
Right Click on the Deployment Share and select update



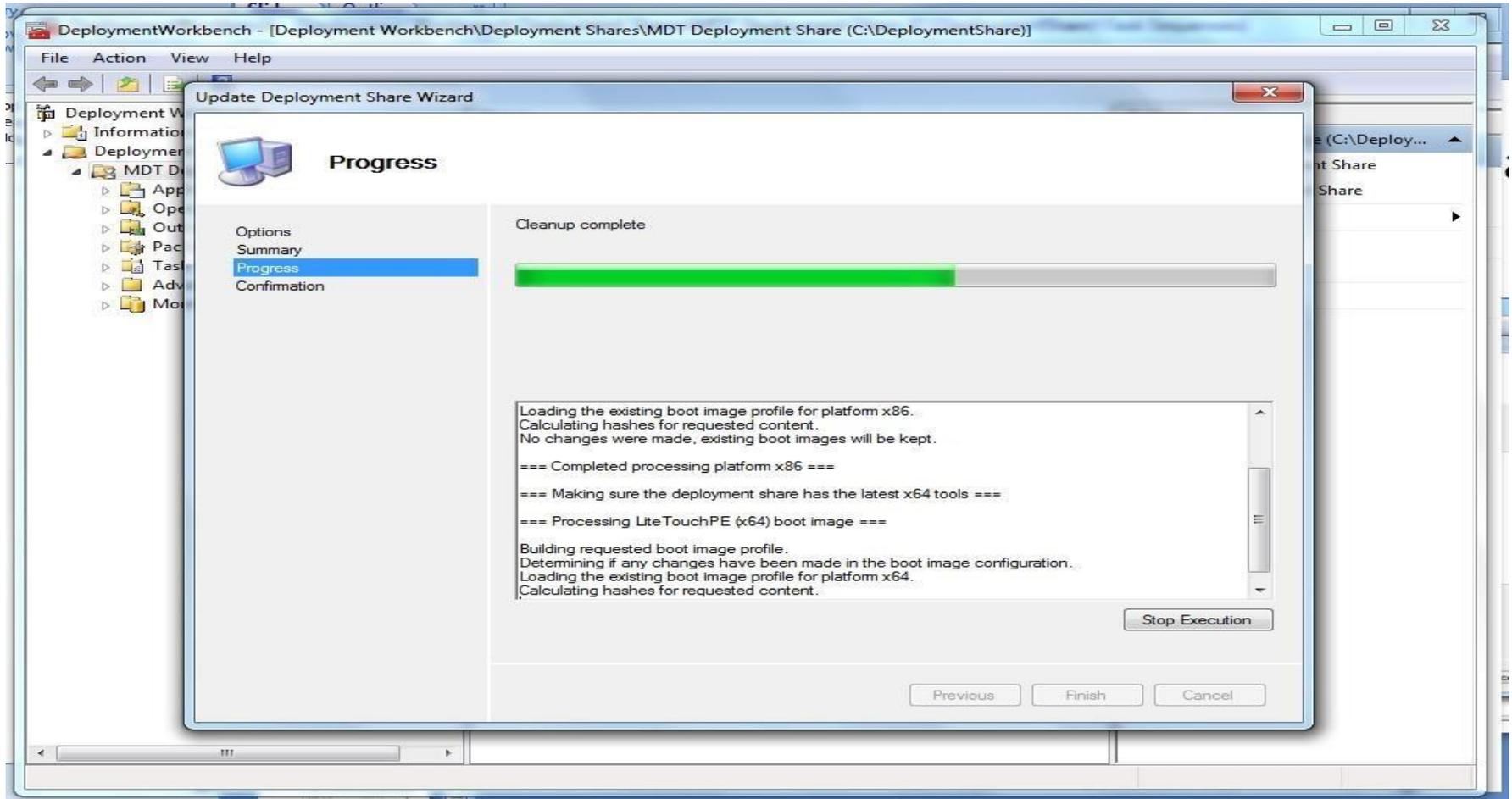
• Set Options



- Review Summary

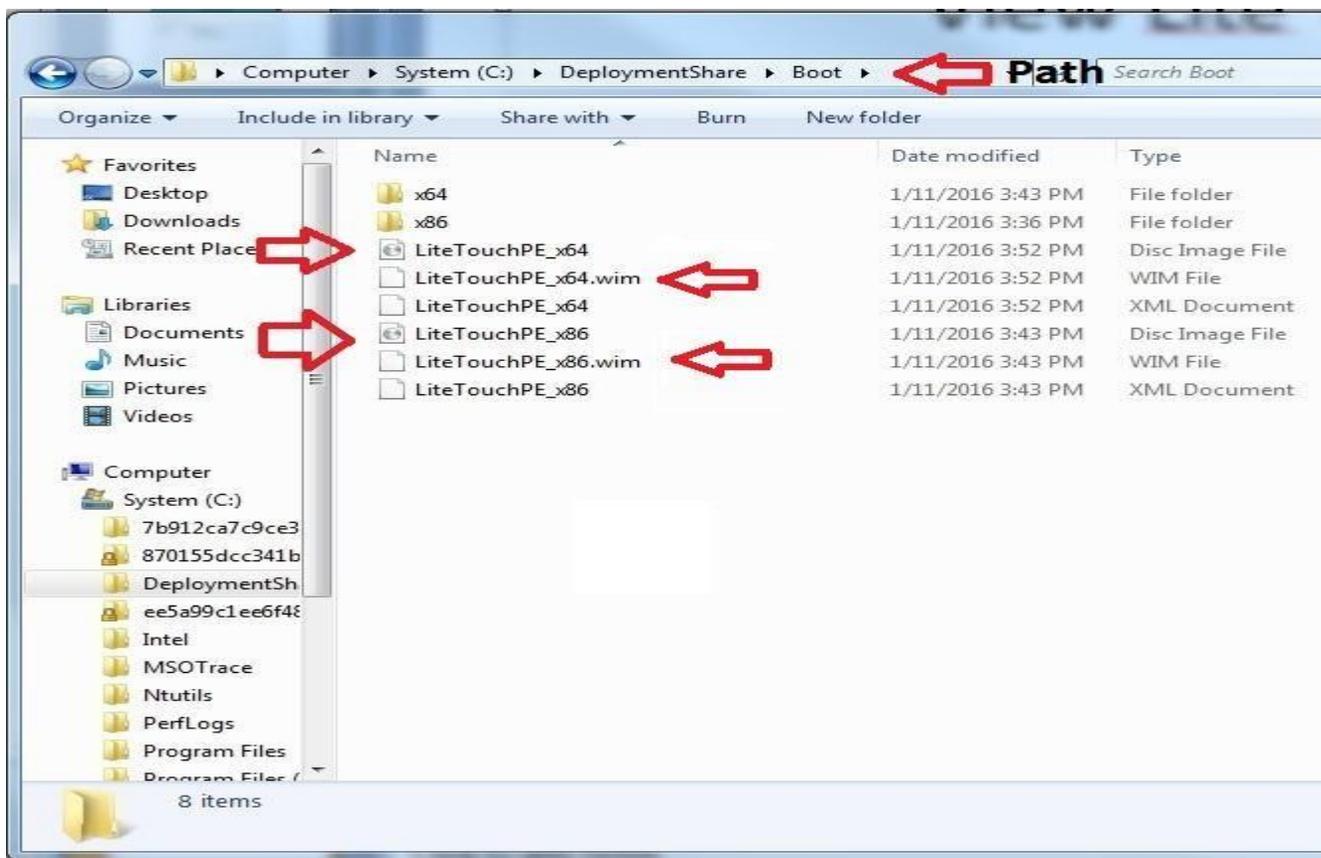


- Update the Share



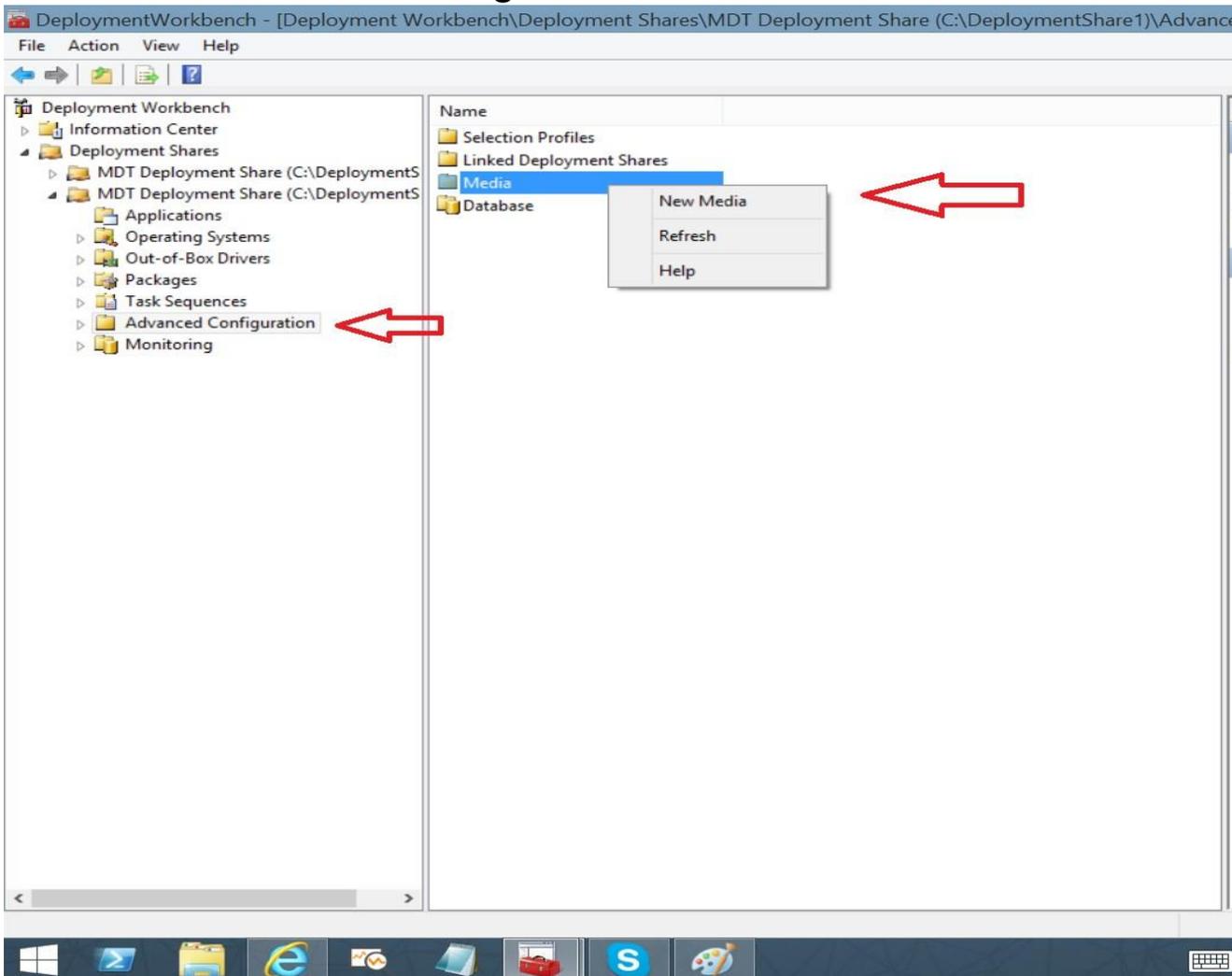
View LiteTouchX86 & LiteTouchX64 ISO & WIM Files in Deployment Share

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

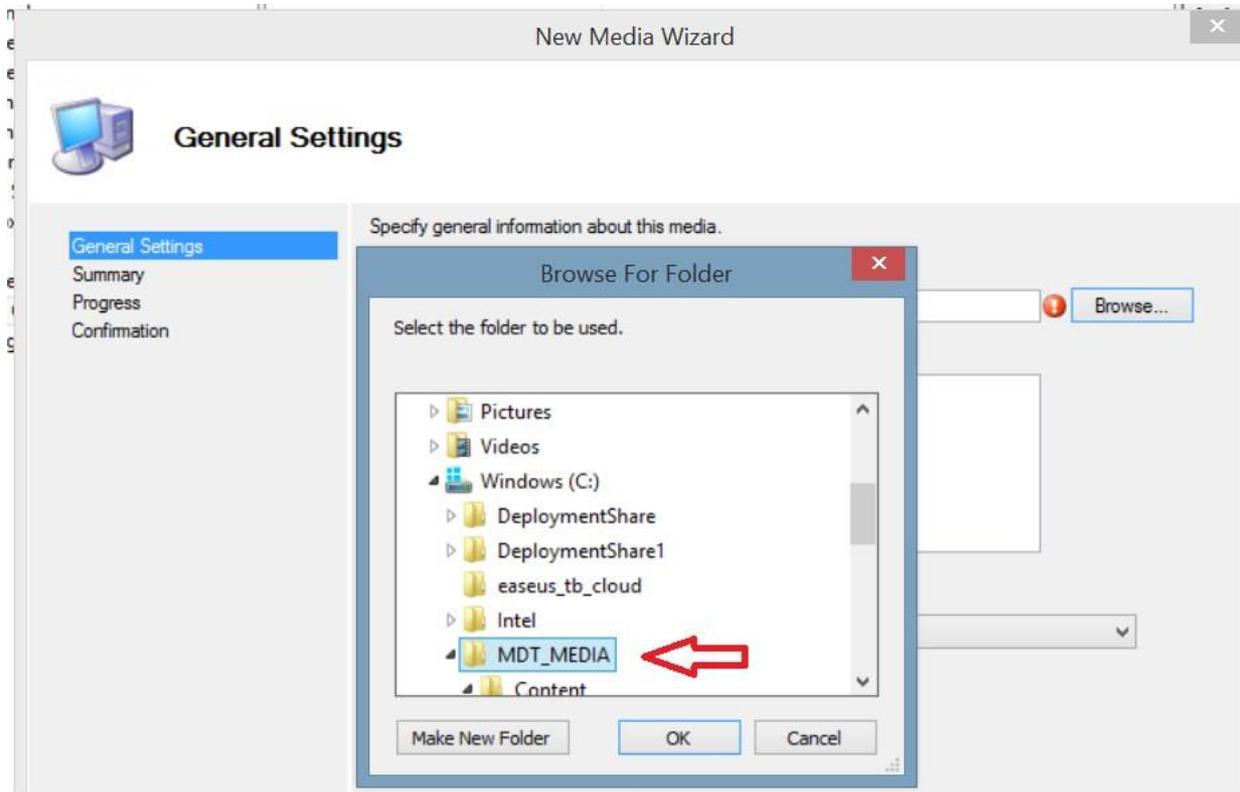


Generating Media Install for USB

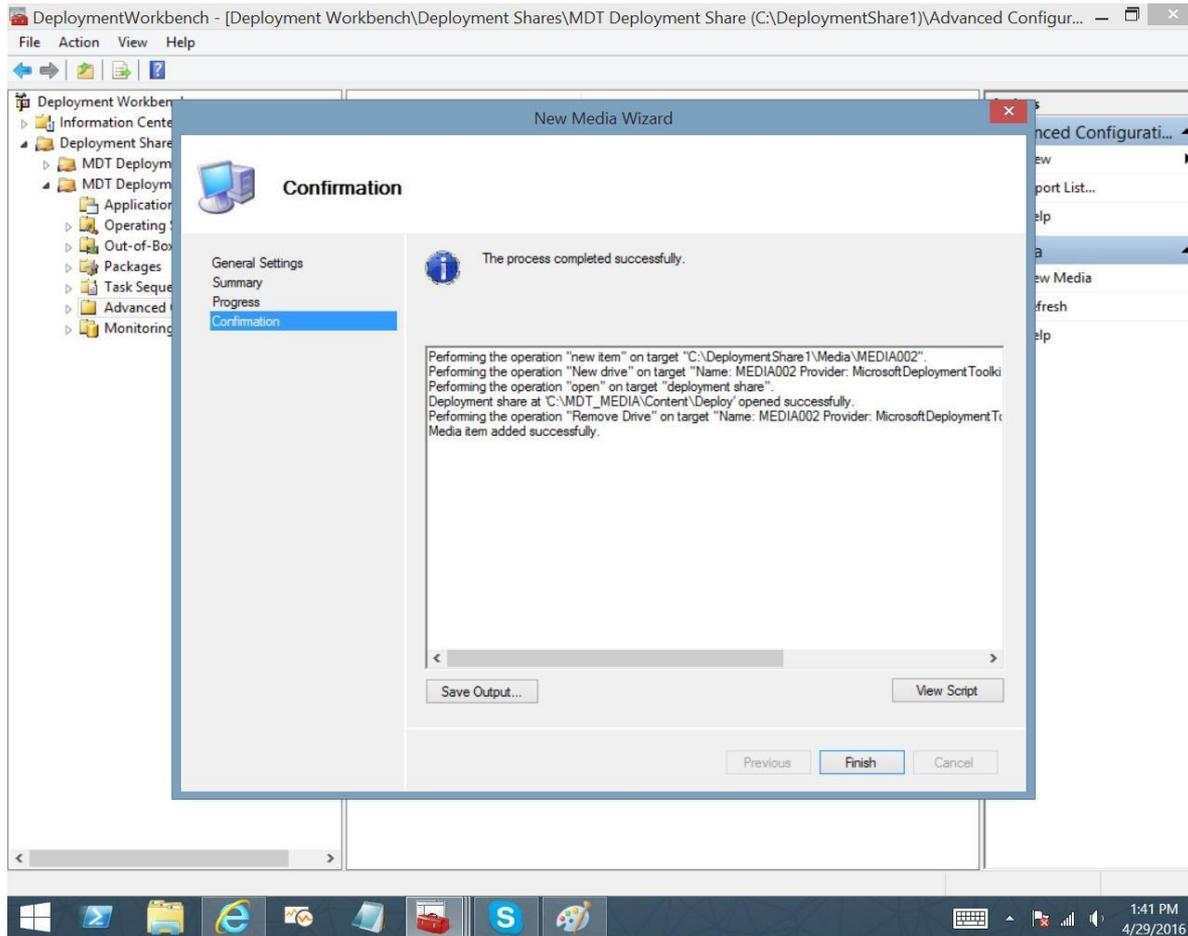
Select Advance Configuration\Media\New Media



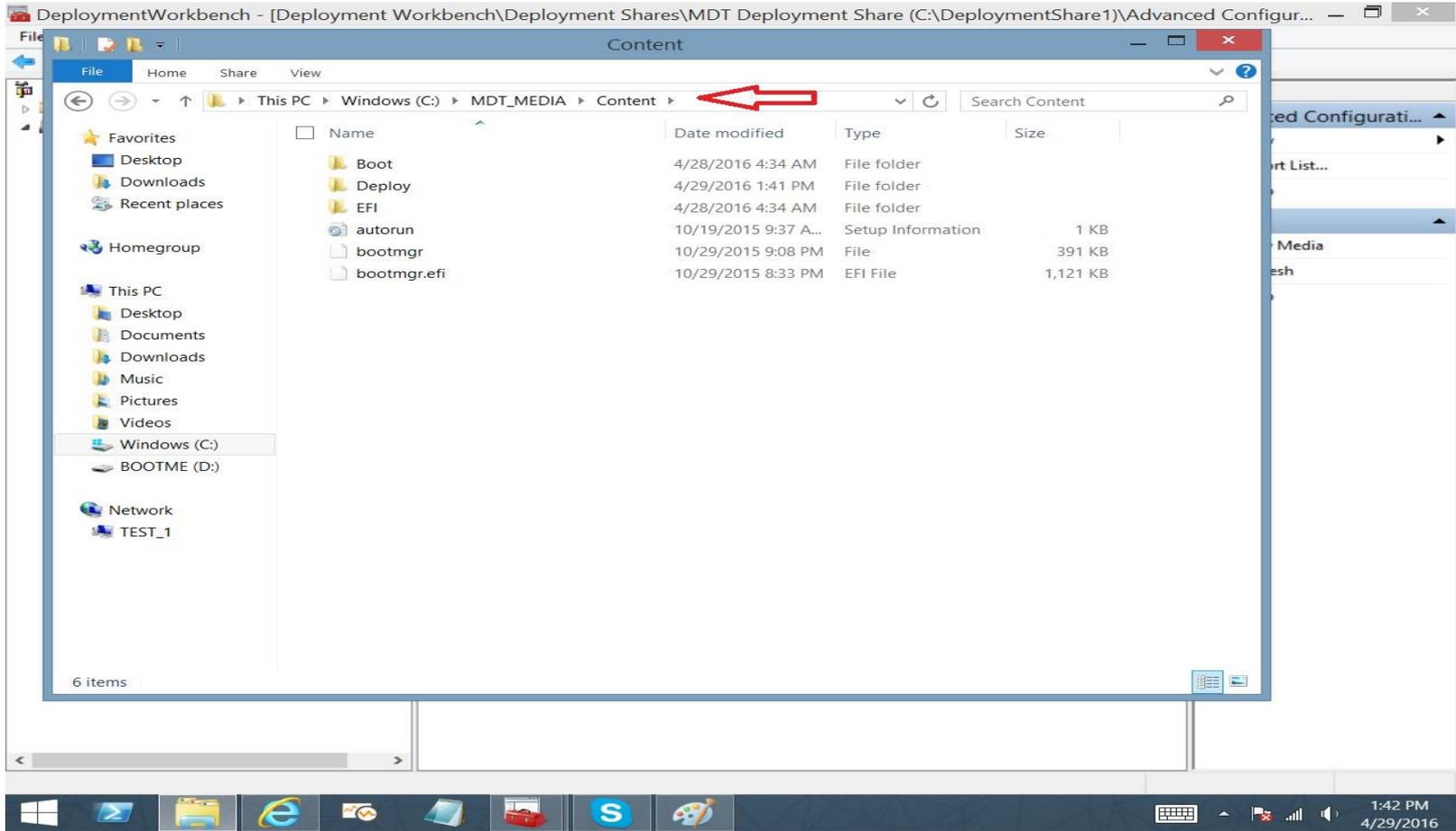
Select the MDT-Media Folder to store the deployment Files



Click Finish and the install files will saved to MDT-Media folder

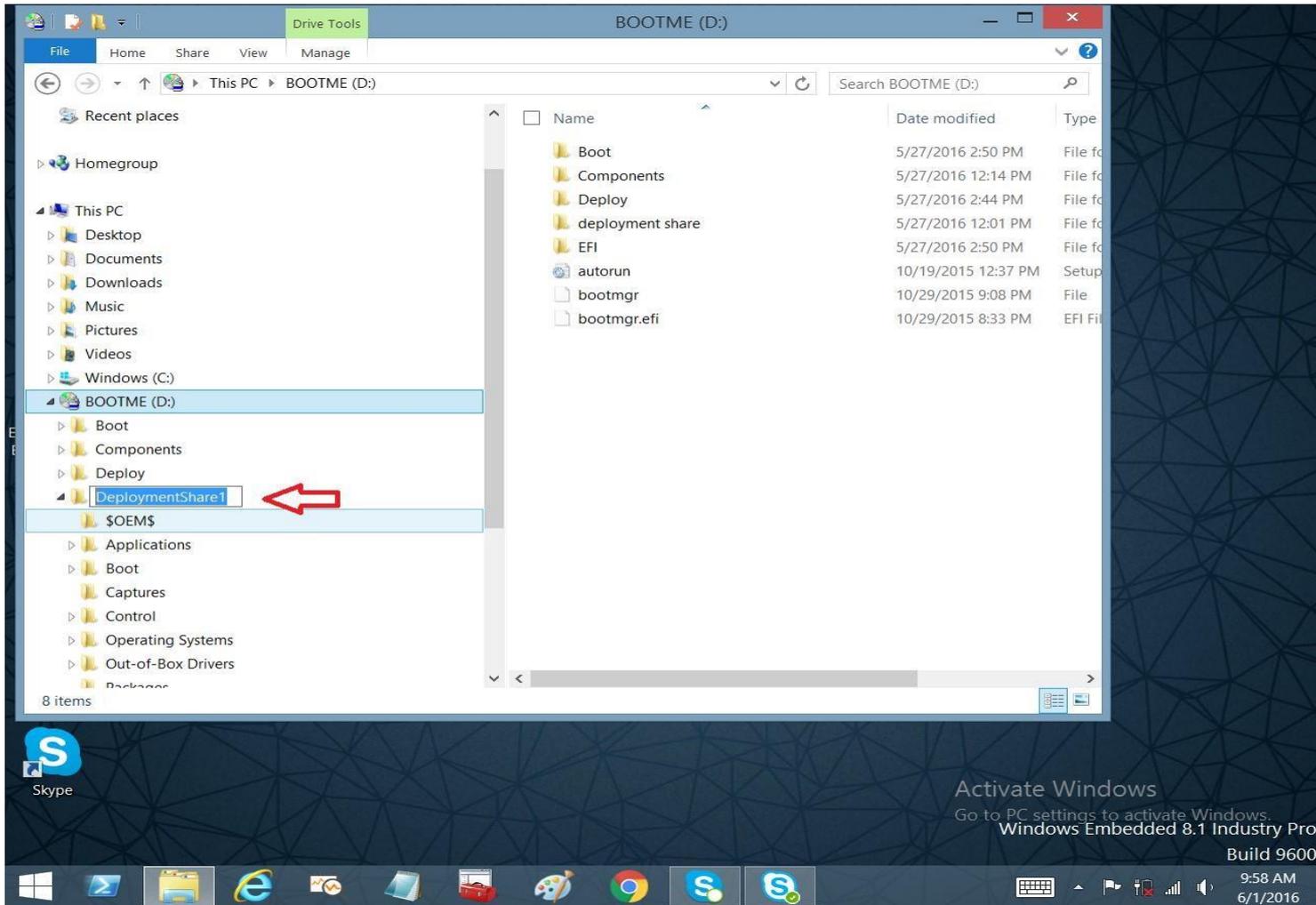


Copy the entire contents of the “Content Folder” to a USB formatted as Fat32 and the media is ready to use

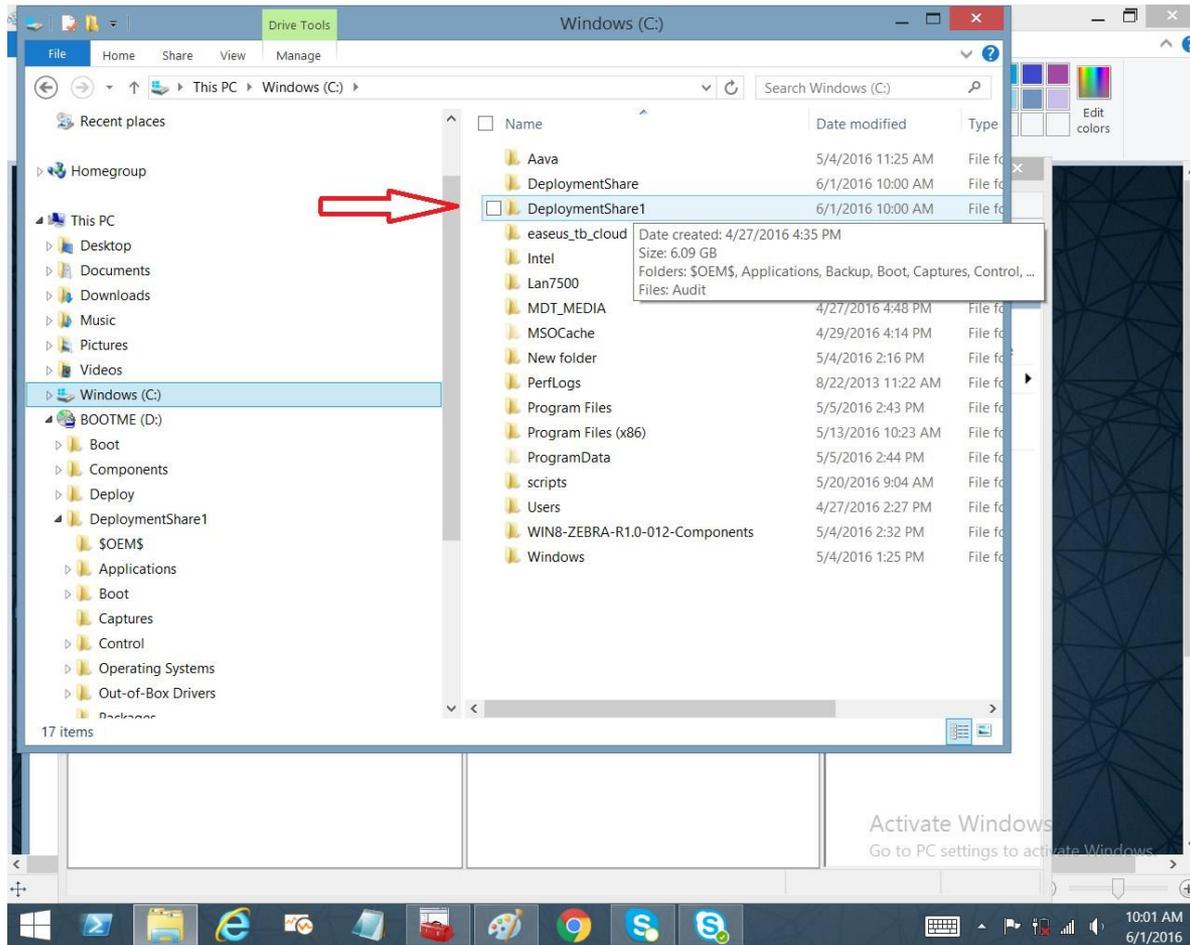


Importing an existing MDT Deployment Share

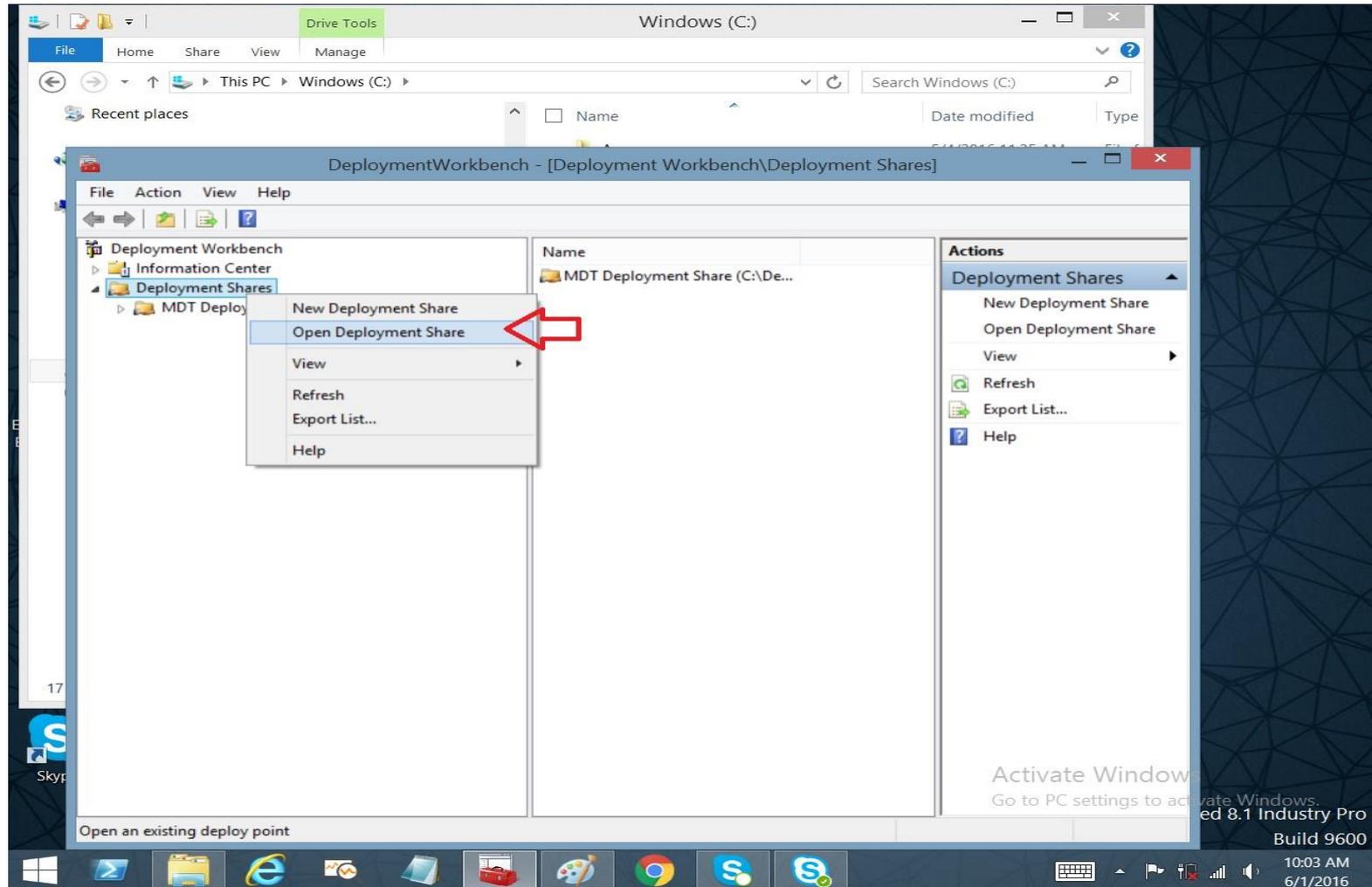
- Source Files are located in:
 - WIN10-ZEBRA-R1.0-00X-X64-DeploymentShare Go the source Files for the Deployment Share and give the top-level Folder A Unique Name



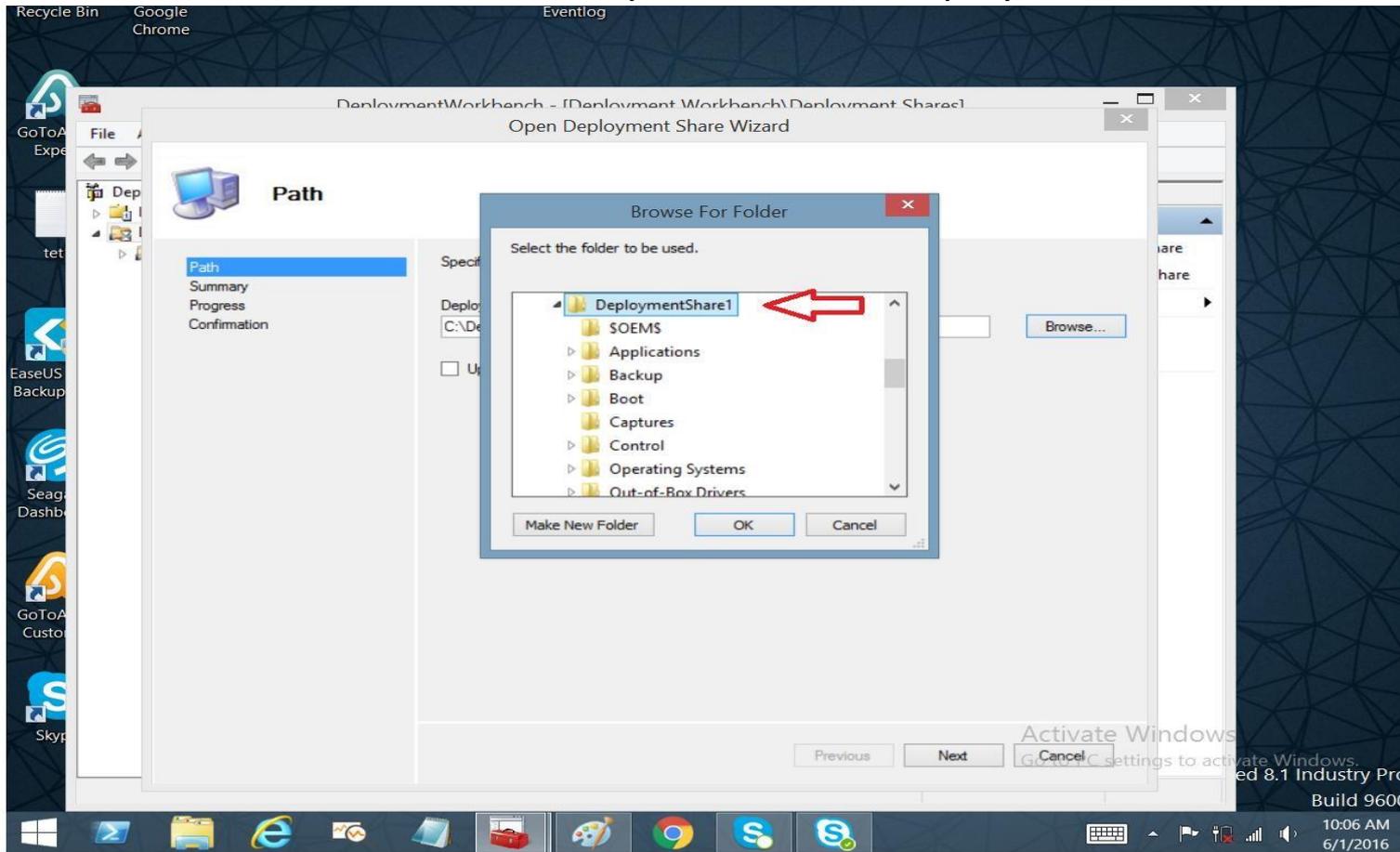
Copy The Renamed Deployment
share to your C: Drive



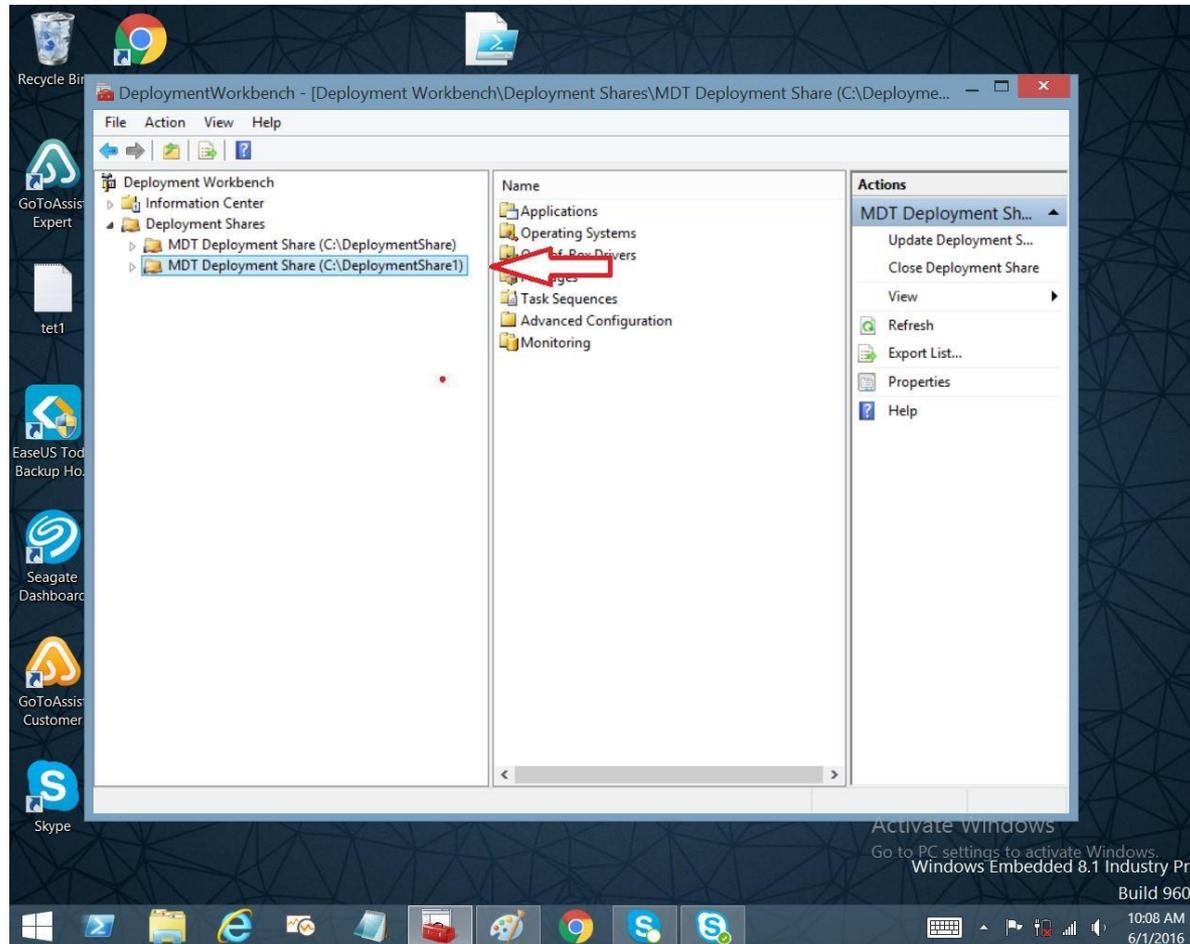
Go to the Deployment Workbench and Right Click on The deployment Share folder



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](#)