Microsoft Deployment Toolkit
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• **Microsoft Deployment Toolkit Deploying with Media**

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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

New Deployment Share Wizard

Summary

Path
Share
Descriptive Name
Options
Summary
Progress
Confirmation

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

Details:

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

Click next to execute the requested action.
• 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 expirer”
• Identify Share Folder Right Click
• Set Permission

**Advanced Sharing**
- Share this folder
- Share name: DeploymentShare$
- Add / Remove
- Limit the number of simultaneous users to: 16777
- Comments: MDT Deployment Share

**Permissions for DeploymentShare$**
- Group or user names: Everyone
- Permissions for Everyone:
  - Full Control: ✔
  - Change: ✔
  - Read: ✔

Buttons: OK, Cancel, Apply
• Click Security Tab and review permissions
• Set share Rules
<table>
<thead>
<tr>
<th>Settings</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority</td>
<td>Default</td>
</tr>
<tr>
<td>Properties</td>
<td>MyCustomProperty</td>
</tr>
<tr>
<td>[Default]</td>
<td></td>
</tr>
<tr>
<td>OSInstall</td>
<td>Y</td>
</tr>
<tr>
<td>SkipCapture</td>
<td>NO</td>
</tr>
<tr>
<td>SkipAdminPassword</td>
<td>YES</td>
</tr>
<tr>
<td>SkipProductKey</td>
<td>YES</td>
</tr>
<tr>
<td>SkipComputerBackup</td>
<td>NO</td>
</tr>
<tr>
<td>SkipBitLocker</td>
<td>NO</td>
</tr>
</tbody>
</table>
• Edit Boot.ini

• Remove:
  - UserID=MDT
    UserDomain=WS12R2MDT01
    UserPassword=P@ssw0rd01
    KeyboardLocale=en-US
    SkipBDDWelcome=YES

• Save the file to Deployment Share
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

- 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:**
• Specify OS Settings
• 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](#)