

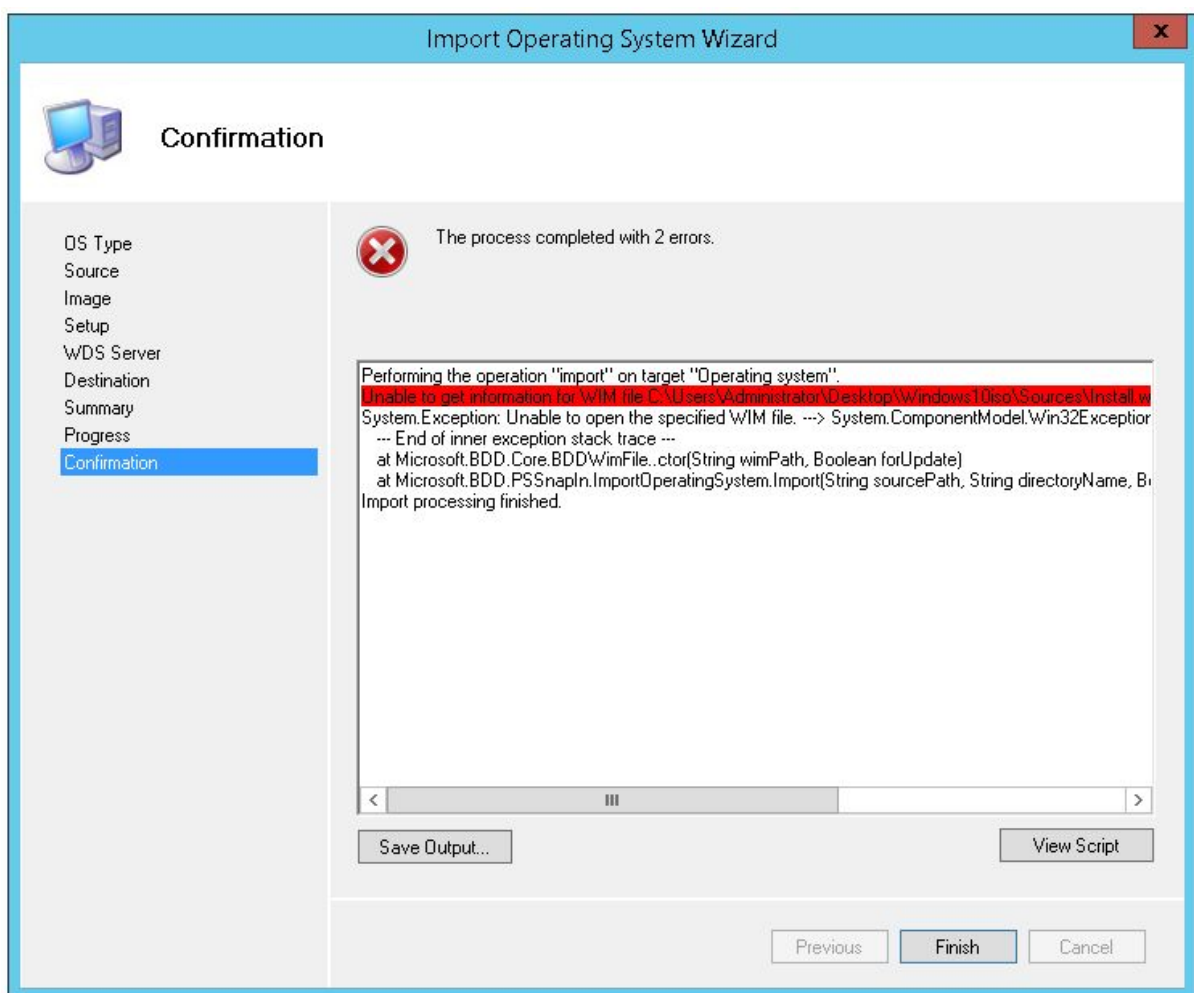
Observations

MDT

Importing OS

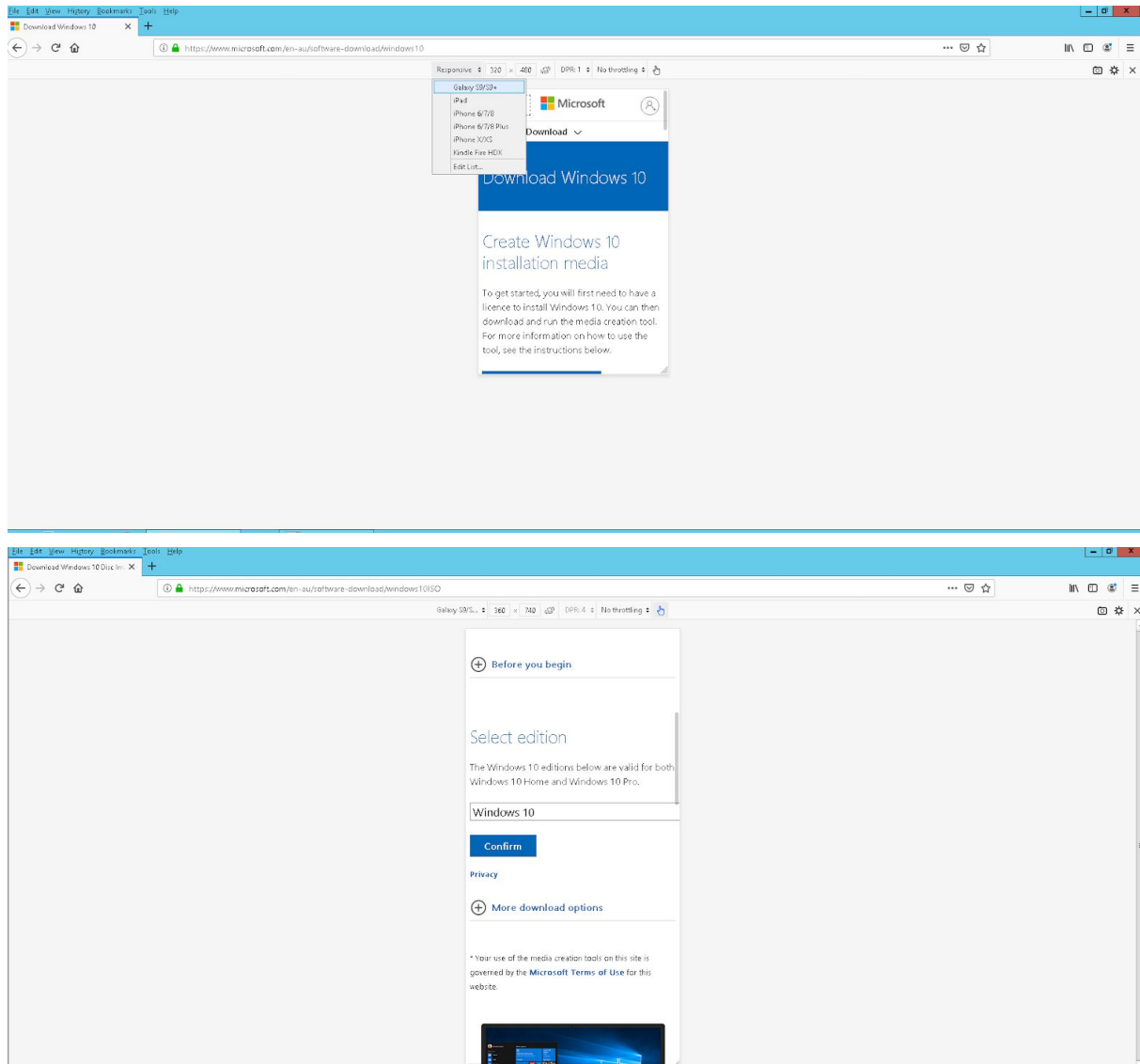
This process causes me to waste a lot of time as the windows 10 iso given doesn't have the install.wim file but instead install.esd file is inside the "sources" folder. Therefore there is a need to [convert the install.esd to .wim file](#).

After the conversion, which consumed at least an hour, I encountered an error when importing the OS iso onto the MDT workbench.



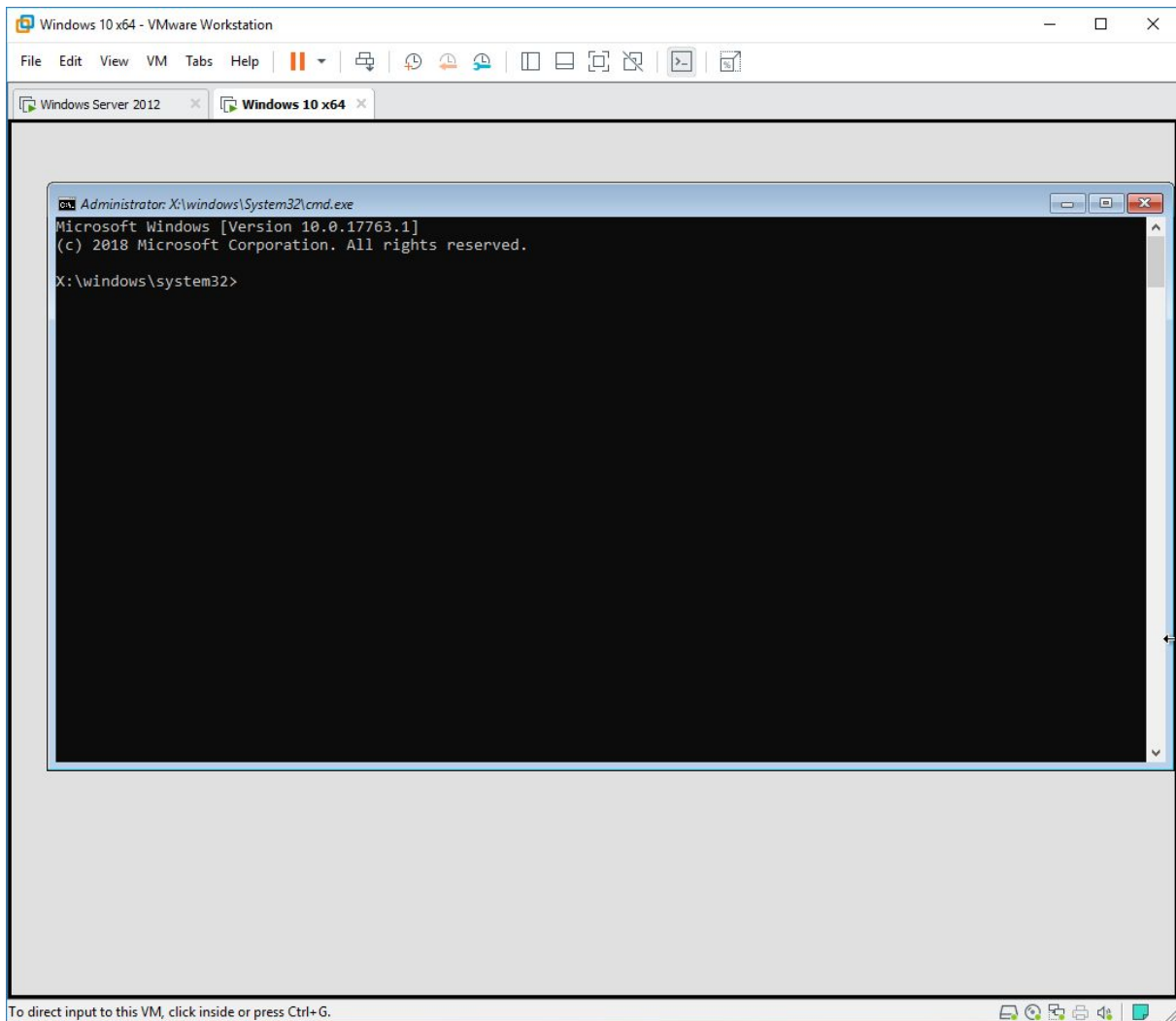
Afterwhich, I downloaded the [windows10 iso directly from the official Microsoft website](#). After downloading the iso file, I found out that the iso do not have install.wim but install.esd instead. I did the same converting method mentioned above. During converting, it encountered error 1392 which said that the image is corrupted.

In the end, I use mobile mode (ctrl + shift + m) on the official Microsoft website to download the iso. Using any OS that is not Microsoft and download the iso will provide install.wim instead of install.esd inside the iso. Therefore, I have chosen Android OS to install the iso.



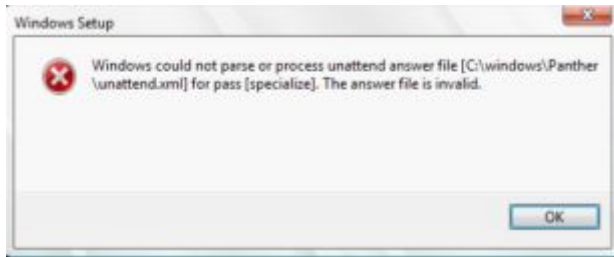
Deployment

The script for automated deployment causes me an issue even after following the guide, there was still an issue deploying the image. It will not install the OS and go to command prompt instead.



The issue was because the client type is VM rather than Desktop. In this whole deployment, I thought that VM by default will be Desktop that causes the issue. After solving this issue, the deployment started.

During deploying, encountered an error.



There could be many reasons for this error such as [computer name contains invalid characters](#) or [computer name is more than 15 characters](#).

The error was caused by the unattend.xml file ["IEWelcomeMsg"](#) section. Remove or comment that section to stop the error from occurring.

Uploading ISO Image to Sandpit

When uploading the ISO image file, make sure that you have a stable connection.

Uploading at STECA is not recommended as the connection will disconnect oftenly which causes me to keep reuploading many times. Uploaded the ISO image at home.

Boxstarter

Boxstarter install application using Chocolatey packages via Windows Powershell commands.

Chocolatey packages are up to date. Older versions of the package also can be installed.

The script for application installation can be included in MDT Task Sequence.

DataFusion

To include DataFusion in MDT deployment, create a script to silent install via Window Powershell. This script can merge with the boxstarter script.

The script will locate the installer.

Tried putting installer on shared folder and let the target machine locate the installer. Failed as User and password are required to access the shared folder which makes it not automated.

Copy the installer to target machine during deployment via [scripting](#) on MDT Task Sequence.

VMs

After deploying the VMs, install VMTools for better performance.

Encountered an error while installing VMTools. The error killed explorer.exe.

The error occurred because of DataFusion. DataFusion kills any runnable .exe except for those owned by System or Trusted Installer.

To solve this problem, kill the DataFusion process.

Future Improvements

MDT

Currently:

- Only basic client ISO image was created

Improve:

- Create ISO images for server
- Include different applications for different department clients

PowerCLI

Currently:

- The client's computer name are the same as it cloned from the templates
- Manually deleting VMs to re-deploy VMs

Improve:

- [Automate changing](#) the client's computer name when deploying VMs
- Automate deleting VMs to re-deploy or automate rollback using snapshot

Exchange Server

Currently:

- Installed Exchange Server via [commands](#) on Windows Powershell
- [Manual configuration](#) on Exchange Admin Center
- Manually creating email accounts

Improve:

- Automate the whole process