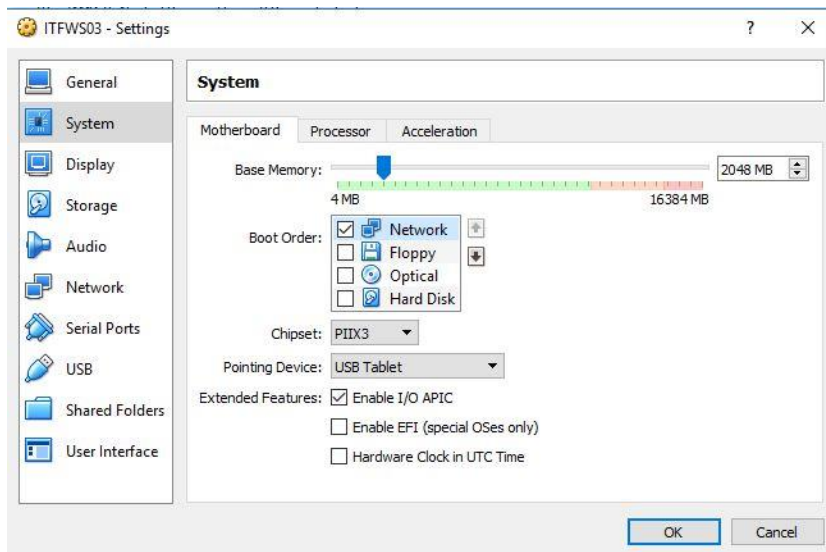


PXE boot errors

There are several problems relating to PXE boot errors on the message board. Hopefully this will help resolve some of these issues.

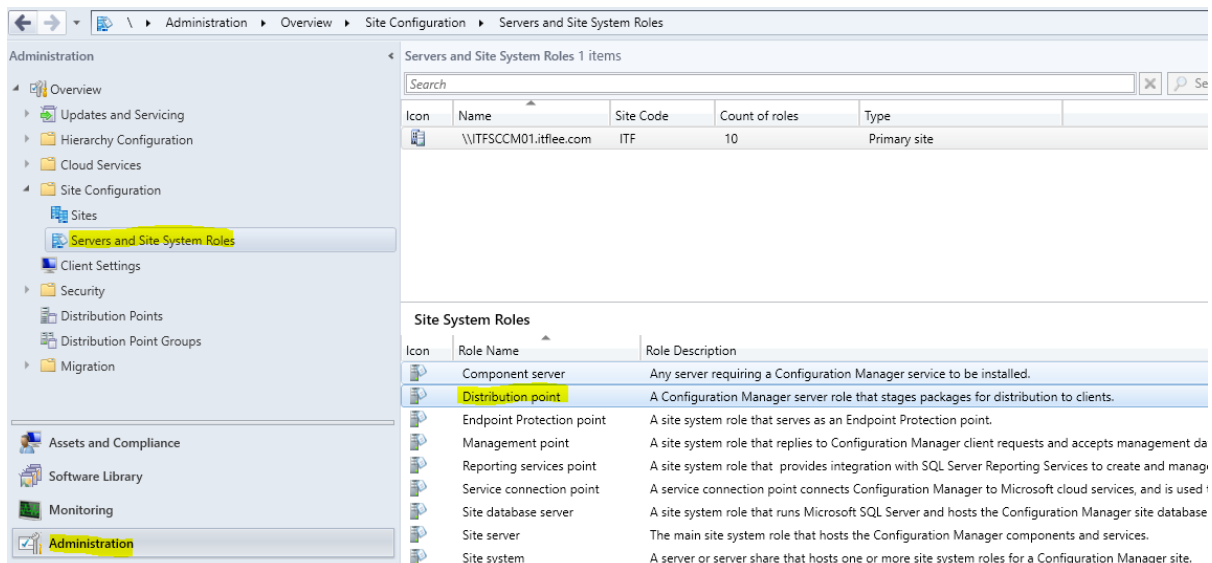
Verifying the Virtual Box Configuration

If you are using virtual box check your windows client system VM settings



Verifying that the Distribution point is setup for PXE boot

From the SCCM server open configuration manager. From the workspace click administration, from the navigation pane click, site configuration, click servers and site system roles. Right Click on Distribution point, click properties.



Verify all these settings. Be sure to use the appropriate password

The screenshot shows the 'Distribution point Properties' dialog box with the 'PXE' tab selected. The following settings are visible:

- ☒ Enable PXE support for clients
Windows Deployment Services will be installed if required
- ☒ Allow this distribution point to respond to incoming PXE requests
- ☒ Enable unknown computer support
- ☒ Require a password when computers use PXE
- Password: [Redacted]
- Confirm password: [Redacted]
- User device affinity: Do not use user device affinity
- Network interfaces:
 - ☒ Respond to PXE requests on all network interfaces
 - ☐ Respond to PXE requests on specific network interfaces
- Specify the PXE server response delay (seconds): 0

Buttons at the bottom: OK, Cancel, Apply.

Verify that the Boundary Groups are configured

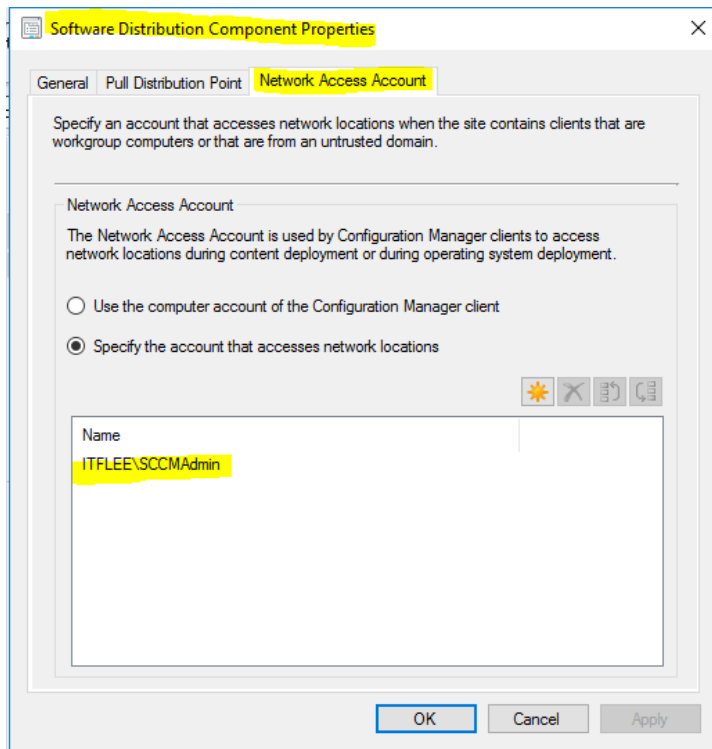
The screenshot shows the 'Distribution point Properties' dialog box with the 'Boundary Groups' tab selected. The following settings are visible:

- You can associate a site system role to a boundary group.
- During content deployment, clients in a boundary group that is associated with this site system will use it as a source location for content.
- Boundary groups:
 - Filter...
 - Table with 2 columns: Name, Description. One row is visible: ITFLEE Boundary Group.
 - Buttons: Create..., Add..., Remove
- ☐ Enable for on-demand distribution

Buttons at the bottom: OK, Cancel, Apply.

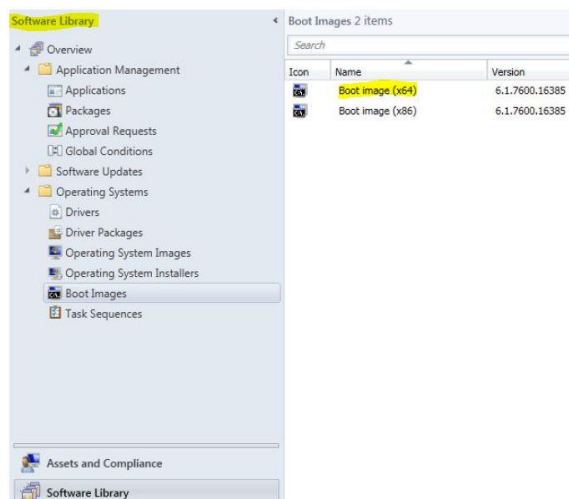
Verify that the Network Access Account has been configured

From configuration manager, administration, site configuration, sites, click the primary site in this case ITF-ITFLEE. From the ribbon click Settings, configure site components, click software distribution, Network Access Account

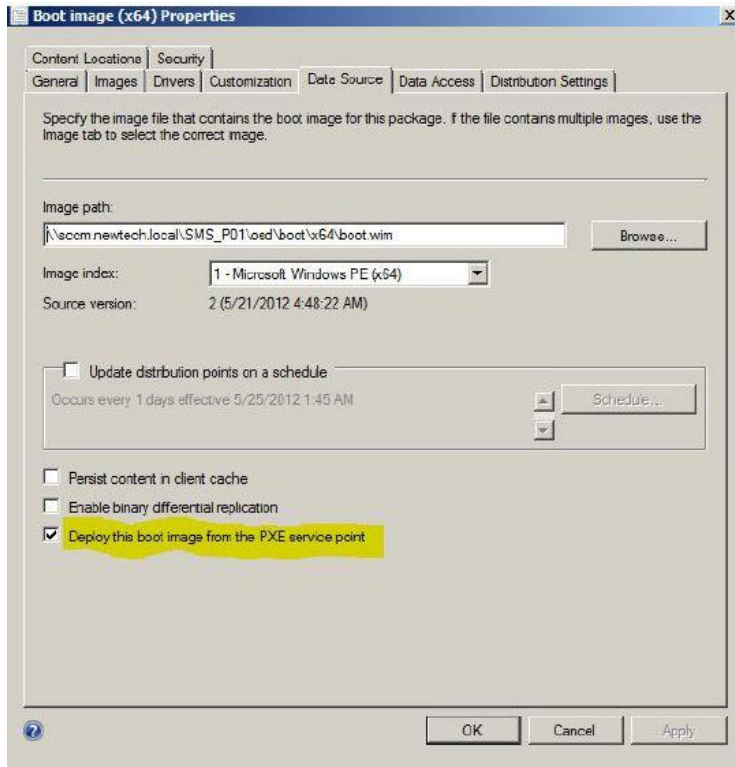


Verifying that the Boot image is setup for PXE boot.

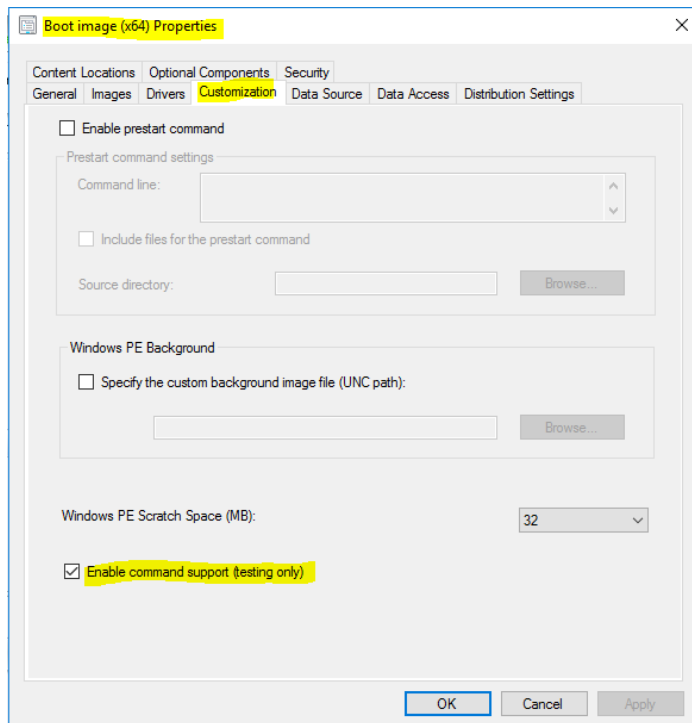
From Configuration Manager, software Library, Operating Systems, Boot images, right click on boot images (x64), click properties



Select Data Source, be sure to check Deploy the boot image from the PXE service Point



Be sure to setup command support for your image



If all these settings are correct then you can check the following log file.

Smspxe.log – which is located in MP logs directory (C:\Program Files (x86)\SMS_CCM\Logs\smspxe.log)

Also checkout this web site to troubleshoot using the smspxe.log

<https://4sysops.com/archives/analyzing-smspxe-log-and-other-methods-to-troubleshoot-sccm-2012-os-deployments/>

This forum is also a great source for trouble shooting SCCM.

<https://prajwaldesai.com/community/forums/system-center-configuration-manager.4/>

The other file is the SMSTS.log which we will cover in another lecture.