

UCS Installation Instructions for Windows Server 2003 media to SAN LUN

Document ID: 110867

Contents

Introduction

Prerequisites

- Requirements

- Components Used

- Conventions

Pre-Installation Steps

Installation Steps

Post-Installation Steps

Verify

Troubleshoot

Related Information

Introduction

This document provides Cisco UCS installation instructions for Windows Server 2003 media to Storage Access Network (SAN) Logical Unit Number (LUN).

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on Cisco UCS.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

Pre-Installation Steps

Complete these steps prior to installation:

1. If multipath is enabled to the LUN disk, temporarily disable all but one path.
2. If virus scan software is enabled on the virtual media machine, temporarily disable it.
3. Your client machine that runs UCS console must have a DVD-ROM and a floppy drive (A drive). If there is no floppy drive, you need to run a floppy drive emulation program, which is not supplied by

Cisco.

4. Under the Windows Server 2003 recovery media, you need the storage adapter drivers for the installation, such as D:\OEM\DRIVERS\MassStorage\QLogic.
5. Based on the mezzanine card type and the edition of Windows installation, copy the relevant drivers into the floppy drive (A:). For example, if you install Windows Server 2003 Enterprise x64 on a blade with a Qlogic mezzanine card, you need to copy these files to A:

```
D:\OEM\Drivers\Massstorage\Qlogic\64Bit\B_Q23WX64STORV91736\*.*
```

Installation Steps

Complete these steps:

1. From UCS, launch KVM Console.
2. On KVM, choose **Tool > Launch Virtual Media**. This starts the KVM Virtual Media console.
3. Put the Windows Server 2003 recovery DVD into the DVD-ROM.
4. From the KVM Virtual Media console, check **Mapped** in order to mount the DVD. This makes the DVD content available to the blade.
5. Make sure the A: floppy drive has relevant mezzanine card drivers. See Pre-Installation Steps for more information.
6. On KVM Virtual Media console, check the **Mapped** box on A: Floppy.
7. When asked Do you want this device emulated as a floppy, check **NO**.
8. In the UCS Manager GUI, click **Reset**, and click **OK** in order to gracefully restart the blade.
9. When the blade reboots, press **F6** in order to access the boot menu. A list of boot options appears.
10. Choose **Cisco Virtual CD/DVD 1.16**.
11. Press **Enter** in order to boot.
12. Press any key in order to boot from CD.
13. When prompted at the bottom of the Windows Setup screen, press **F6** in order to load third party drivers.



Warning: Important Step! You have to press **F6** before the prompt changes.

14. The Setup could not determine the type of one or more mass storage device prompt appears. Choose **S** for additional device.
15. Press **Enter** in order to select your driver.
16. If the installation asks if you want to use the floppy driver or the one that came from windows, choose **S** in order to use the driver on the floppy.
17. Setup informs you that it loads support for the mass storage device. Press **Enter**.
18. Choose **C** for Custom setup.
19. Press **F8** in order to accept the EULA.
20. Complete the instructions, and select the SAN disk on which you want to install the operating system. Complete the drive formatting steps as appropriate.
21. When it starts to copy files, the installation prompts you for the mass storage driver again. Clear the **Mapped** check box on A: in order to unmount. Then check "A:" in order to remount. This time, when asked Do you want this device emulated as a floppy, check **YES**. This is a known bug.
22. Press **Enter** in order to continue. The copy continues.

Once the copy completes, the installation reboots the blade.

23. Boot from the SAN disk.
24. If the An EMS connection was detected message appears, click **OK**.
25. If you are asked to confirm the installation of **non-logged** drivers, it is critical to answer **YES** every time.
26. You must manually enter the computer name, user name, product key, date, time zone, etc.

Post-Installation Steps

Complete these steps:

1. Once Windows Server 2003 boots, it asks for CD2. Choose the **\OEM\R2** directory on your recovery disc, such as **D:\OEM\R2**, and click **OK**. R2 installs.
2. Open the Device Manager. You see many devices in yellow. These steps install the drivers.
3. From file explorer, run **D:\OEM\Drivers\CHIPSET\INTEL_CHIPSET_V9.1.0.1012\Setup.exe**. This installs the Intel Chipset drivers.
4. Install the display driver from **D:\OEM\Drivers\Video_ServerEngines*setup.exe**.
5. Update the network driver from Device Manager.
 - a. Right-click **Ethernet controller**.
 - b. Select **update driver**.
 - c. Give the path to inf file from **D:\OEM\Drivers\NETWORK_OPLIN\PROXGB<32 or 64 bit>**.
6. Complete the same steps for the additional Ethernet controller.
7. For the unknown **SCSI controller**, update the driver from inf: **D:\OEM\Drivers\MassStorage\LSI<32 or 64bit>**, and select **LSI SAS**.
8. Re-enable multipath.

Verify

There is currently no verification procedure available for this configuration.

Troubleshoot

There is currently no troubleshooting procedure available for this configuration.

Related Information

- **Technical Support & Documentation – Cisco Systems**
-

[Contacts & Feedback](#) | [Help](#) | [Site Map](#)

© 2013 – 2014 Cisco Systems, Inc. All rights reserved. [Terms & Conditions](#) | [Privacy Statement](#) | [Cookie Policy](#) | [Trademarks of Cisco Systems, Inc.](#)

Updated: Sep 02, 2009

Document ID: 110867
