

An iSCSI target is not recognized when installing Windows Server 2008 R2

Symptoms:

Consider the following scenario:

- You try to install Windows Server 2008 R2 on a computer by using an iSCSI target as the installation target.
- The computer is connected to the iSCSI target using Broadcom network controller with "Windows HBA mode" option in iSCSI option ROM disabled.
- When you are prompted for the installation target, you load all the required drivers for the network adapter on the computer.

In this scenario, the iSCSI target is not recognized as an installation target. Instead, you are prompted that there is no disk available for installing Windows Server 2008 R2.

Resolution:

To resolve this problem, you have to delete the old network drivers available in the boot.wim of the OS media. To remove the network drivers follow the below steps.

Before you follow these steps, visit the following Microsoft Web site to install the Windows Automated Installation Kit (AIK) in your test machine from where you are going to modify the OS media. [Windows® Automated Installation Kit \(AIK\) for Windows® 7](#)

1. Create a temporary folder, such as D:\temp.
2. Create the following two subfolders in the Temp folder:
 1. Win2008R2Copy
 2. Win2008R2Mod
3. Copy all the contents from the DVD installation media into the **Win2008R2Copy** folder.
4. Open the Windows AIK command prompt in elevated mode from "All program", and then run the following commands:
attrib -r D:\Temp\Win2008R2Copy\sources\boot.wim
5. Run the following command to mount the Install.wim image:
dism /Mount-WIM /WimFile:D:\Temp\Win2008R2Copy\sources\boot.wim /index:1 /MountDir:D:\Temp\Win2008R2Mod
6. The **Boot.wim** image was mounted in the **Win2008R2Mod** folder. Find all the instances of the below listed files in the subfolders of the **Win2008R2Mod** folder, and delete them.

List of files to be deleted.

- a. *Netevbda.inf*
- b. *Netevbda.pnf*
- c. *Evbda.sys*
- d. *Netbxnda.inf*
- e. *Netbxnda.pnf*
- f. *Bxnd60a.sys*

To easily find all the instances of the files to be deleted, run the following command:

```
dir /s D:\Temp\Win2008R2Mod\filename
```

7. Run the following command to unmount the Boot.wim image:
dism /unmount-wim /Mountdir:D:\Temp\Win2008R2Mod /commit
 8. Repeat from steps 5 to 7 by keeping the **index = 2** for the command in the Step 5
 9. Run the following command to create an .iso file:
oscdimg -e -h -m -n -IWS08R2_x64 -bootdata:2#p0,e,b"c:\Program Files\Windows AIK\Tools\PETools\amd64\bootletfsboot.com"#pEF,e,b"c:\Program Files\Windows AIK\Tools\PETools\amd64\bootletfs.sys.bin" D:\Temp\Win2008R2Copy D:\Temp\Win2008R2Mod.iso
- Note:** Above command is single continues command.
10. Burn the **Win2008R2Mod.iso** file to a DVD by using a DVD-burning application.
 11. Perform the installation by using the new DVD and provide the Network controller drivers during installation. You will get the iSCSI Lun to complete the installation.