Application Note

NVIDIA nForce2 MCP2S, nForce3 250, and nForce4 Families, and nForce 430 and 410

Configuring NVIDIA Networking Drivers with Microsoft RIS

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PLATFORM PROCESSORS

Install Networking Drivers

This application note describes how to configure NVIDIA networking drivers when using the Microsoft Remote Installation Services (RIS) to install OS images on NVIDIA nForce®2 MCP2S, NVIDIA nForce3 250, the NVIDIA nForce4, and the NVIDIA nForce 430 and NVIDIA nForce 410. For RIS installations, a network device attached to the PCI bus needs to be present.

For the NVIDIA nForce2 MCP2S, NVIDIA nForce3 250, and the NVIDIA nForce4 families, the NVIDIA network device is not enumerated until the NVIDIA bus driver is started. The NVIDIA bus driver is used to control the NVIDIA bridge device.

Detailed Installation Procedure

The following steps describe the sequence needed for NVIDIA nForce2 MCP2S, NVIDIA nForce3 250, and NVIDIA nForce4 RIS clients on Windows XP, Windows 2000, and Windows 2003 Server.

Ensure that the installed BIOS contains PXE version 201 or greater. PXE version can be seen in the PXE startup banner. A sample PXE startup banner is provided below:

> *PXE Boot Agent 201.xxxx*

1. Read Microsoft Knowledge Base Article #315279 for details on how to add the OEM Network Adapter Drivers to an RIS image.
   (http://support.microsoft.com/default.aspx?scid=kb;en-us;315279)

2. *This procedure is step 1 of article #315279:*
   If you are installing a 32-bit Microsoft image onto your RIS client, copy the files contained in nvris32.zip onto:
   RemoteInstall\Setup\Language\Images\Dir_name\I386.

   Use nvris32.zip if RIS client is Windows 2000, or the 32-bit versions of Windows XP or Windows 2003 Server.

3. *This procedure is step 1 of article #315279:*
   If you are installing a 64-bit Microsoft image onto your RIS client, copy the files contained in nvris64.zip onto:
   RemoteInstall\Setup\Language\Images\Dir_name\amd64.

   Use nvris64.zip if RIS client is 64-bit version of Windows XP or Windows 2003 Server.

4. *This procedure is step 3 of article #315279:*
   You must copy the installation package for the NVIDIA NRM driver (that is, netbus driver) to:
   RemoteInstall\Setup\Language\Images\Dir_name\$oem$\$1\Drivers\Nic.

5. All other steps in article 315279 should be performed as specified.

6. After completing the above steps, you need to restart the boot information negotiation layer, or restart the machine.

PXE may now be used to install the OS image onto the RIS client.

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