

Serial-ATA (SATA) support in NetWare 5.0

This document is for use solely on a properly licensed and legally compliant Novell NetWare 5.0 server. All files mentioned within this document are Copyright of Novell Inc. These files are a mixture of NetWare 5.x, NetWare 5.1, and NetWare 6.5 driver files which we have found to work flawlessly with NetWare 5.0.

This document also applies to Novell Small Business Suite 5 (Novell SBS).

One of the biggest headaches in 2006 is migrating a Novell NetWare 5.0 server from IDE hard disks to faster hard disks but needing to avoid the expense of ultra fast SCSI hard disks and SCSI controllers. **Serial-ATA hard disks** (also called SATA hard disks) with their SCSI-like speeds and IDE-like affordability provide the ideal solution, particularly since almost all new motherboards have onboard SATA controllers nowadays.

Unfortunately, while Novell states in its knowledgebase that NetWare 4.11 and NetWare 5.0 will work with Serial-ATA hard disks, it falls short of providing the steps on how to accomplish this and, as everyone who has tried will know, the NetWare 5.0 installation CD does not have inbuilt support for SATA controllers in the way that NetWare 6.0 and NetWare 6.5 have.

If you wish to use NetWare 5.0 with Serial-ATA hard disks, do as explained below.

Installing NetWare 5.0 from scratch onto Serial-ATA hard disks

- Create the DOS partition in the normal manner.
- Download **NWUPDATE for NetWare 5.0** from our www.ATWDOWNLOADS.com page.
- Copy the **NWUPDATE** folder from that download to the root of your C: DOS partition so that you have a **C:\NWUPDATE** folder present before you start installing NetWare 5.0.
- Install **NetWare 5.0**. As the installation goes through, it will use the files in the NWUPDATE directory rather than the equivalent files on your installation CD. The NWUPDATE files you have downloaded provide Serial-ATA support. You should find that the installation goes through without a single hitch.
- At the end of the installation reboot your server as suggested.

- Once the server is back up, install **Service Pack 6a** for NetWare 5.0.
- Reboot your server at the end of the successful Service Pack 6a installation.
- Once you are back into NetWare 5.0 SP6a, **DOWN** your server to the DOS prompt. At the DOS prompt you will find that the NWUPDATE directory no longer exists. Using a floppy disk copy from the NWUPDATE download, into your **C:\NWSERVER** (or C:\NWSERVER.500 if you follow our conventions) NetWare folder, the following files which the Service Pack 6a will have erased :

NBI.NLM
NWASPI.CDM
NWASPI.DDI
NWP.A.NLM

- Type **SERVER** to start NetWare again.
- That's it. **You're done.**

Adding Serial-ATA support to an existing NetWare 5.0 server

- Make sure you are on the latest service pack for NetWare 5.0 : **Service Pack 6a**.
- Download **NWUPDATE for NetWare 5.0** from our www.ATWDOWNLOADS.com page.
- If they exist, backup the following files found in the **C:\NWSERVER** directory of your DOS partition :

IDE*.*
NBI.NLM
NWASPI.*
NWP.A.NLM
- Copy all the files in the NWUPDATE download into the **C:\NWSERVER** folder.
- Restart your server and test.
- That's it. **You're done.**

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