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ABSTRACT:

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ISSUE

INTEGRATING THE NETWARE CLIENT FOR DOS AND WINDOWS (VLMs) WITH WINDOWS 95

Introduction

This document contains the instructions to integrate the NetWare Client for DOS\MS Windows (VLMs) v1.2x with Windows* 95. This solution is temporary. Novell will release a 32-bit client for Windows 95 later this year (1995). When the 32-bit client is released, it will be the recommended client for Windows 95.

This document provides step-by-step instructions to integrate the VLMs with Windows 95. It is assumed that you are running the 1.20 VLMs or later. The 1.20 VLMs are the VLMs that ship with NetWare 4.10. If you do not have the 1.20 VLMs, they can be downloaded from CompuServe. The updated VLMs are in VLMUP3.EXE in the NovFiles Forum. The entire client kit can be downloaded from NovFiles. There are 6 files that make up the client kit. The files are named VLMKTx.EXE (the x ranges

from 1 to 6). This client kit already has the updates from VLMUP3.EXE applied.

Installation Overview

Detailed step-by-step instructions are provided on the following pages. Here is a brief overview of the installation/configuration process for installing the VLMs on a new Windows 95 machine, and upgrading an existing Windows machine on which the VLMs were already installed.

Overview of installing the VLMs on a new Windows 95 workstation. (Follow all steps in the detailed instructions below beginning with step 1.)

1. Remove all network components from Network Control Panel in Windows 95

2. Reboot machine in MS DOS mode.

3. Install NetWare Client for DOS/MS Windows.

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4. Reboot machine and add the Novell NetWare (Workstation Shell 4.0 and above [VLM] client in the Network Control Panel in Windows 95.

Overview of the configuration steps for configuring Windows 95 to run with the VLMs after upgrading an existing Windows workstation that was configured for the VLMs. (Follow all steps in the detailed instructions below beginning with step 8).

1. Perform the upgrade to Windows 95 with the VLM client loaded.

2. After completing the Windows 95 upgrade, open the Network Control Panel. If the client listed is Novell NetWare (Workstation Shell 4.0 and above]VLM]) you are finished.

3. If the above client is not installed, remove all network components

and select Novell NetWare (Workstation Shell 4.0 and above (VLM).

Frequently Asked Questions

When will Novells 32-bit client solution for Windows 95 be released?

Novells 32-bit client solution for Windows 95 will be called NetWare Client32 for Windows 95. It will be released 60-90 days after Windows 95 ships.

How do I login to a NetWare server from a Windows 95 workstation?

When using the VLMs, if you want a login script to be executed you must login from a DOS prompt. To do this, execute login.exe from the autoexec.bat or winstart.bat after the VLMs have loaded. The NetWare Client32 for Windows 95 will ship with a Graphical login that will enable users to login from the Windows GUI interface.

Are Network Neighborhood and Windows Explorer functional with the VLMs?

Yes. You can use Network Neighborhood and Windows Explorer to navigate through bindery servers. There is no NDS support within Network Neighborhood or Windows Explorer. The NetWare Client32 for Windows 95 will be fully integrated with Network Neighborhood and Windows Explorer. NWUser will provide you with a GUI interface into NDS servers.

Can I use NWUser on a Windows 95 workstation?

Yes. You can use NWUser to map drives, capture ports, etc. However, the permanent connection features do not work with Windows 95. You should use login scripts to establish your workstations default network environment (mappings, captures).

How do I capture from Windows 95?

You can execute capture.exe from a login script or in a DOS box. NWUSER can also be used to capture a port. Add Printer Wizard can be used to attach to bindery based print queues or NDS queues in the bindery context.

Can I use long names on the NetWare server from a Windows 95 workstation?

Windows 95 allows you to use long names, but the VLMs do not. The Client32 will allow you to use the long name capability of Windows 95. The OS2.NAM must be added at the server.

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Detailed Step-by-Step Installation/Configuration Instructions:

1. Launch Windows 95 and open My Computer

2. Open Control Panel.

3. Open Network.

4. If there are any network components in the Network Configuration property sheet, remove them. This is accomplished by highlighting a component and clicking Remove. If there are no network components installed, skip to step 5.

* After Windows 95 makes the required modifications, select No when asked to restart your computer.

5. The workstation now must be rebooted in MS-DOS mode so the VLM client install can be run.. Click on Start, Shut Down. Click "Restart the computer in MS-DOS mode?" and click Yes.

6. At the DOS prompt insert the NetWare Client for DOS/MS Windows diskette #1, change to A: and enter Install. Enter the required information in the NetWare Client Installation screen.

7. When the NetWare Client for DOS/MS Windows installation is complete, reboot the machine. The following series of error messages may be displayed when Windows 95 loads.

Cannot find a device file that may be needed to run Windows or a Windows application.

The Windows registry or system.ini file refers to this device file, but the device file no longer exists.

If you deleted this file on purpose try uninstalling the associated application using its uninstall or setup program.

If you still want to use the application associated with this device file try reinstalling that application to replace the missing file.

C:\windows\system\vmm32\vnetbios.vxd Press a key to continue.

If these errors occur, press any key to continue. The next step is to configure Windows 95 to run with the VLMs. Once Windows 95 is configured to run with the VLMs, the errors will no longer occur.

** While Windows 95 is initializing you may get also get messages that Windows has found new hardware and is installing the software for it. When Windows 95 is finished installing the software you will be asked if you want to restart the computer. Answer NO.

8. Once Windows 95 has loaded, open My Computer, Control Panel, Network.

9. The Network Control Panel should not have any network components installed. If there are network components installed, remove them.

** If the "Client for NetWare networks" is installed it must be removed. In addition you will need to manually copy the netware.drv driver from the client diskettes. Windows 95 install their own netware.drv which is not compatible with the VLMs. You will need to look at the netware.drv in the c:\windows\system directory. The netware.drv that Windows 95 installs is very small (1000-2000 bytes). The Novell netware.drv is much larger (165,000 bytes). If the Windows 95 netware.drv is installed you must replace it with the Novell netware.drv. If you need to get netware.drv from the

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VLM client diskettes you will have to run the NWUNPACK.EXE utility to unpack the file. The syntax is:

nwunpack netware.dr_ c:\windows\system

Netware.dr_ and nwunpack.exe are on the NetWare client for DOS/MS Windows diskette 3.

10. Click Add

11. Click Client

12. Click on Novell. You will see two options under Network Clients.

13. Click Novell NetWare (Workstation Shell 4.0 and above [VLM]), then click OK.

14. Click on the Identification tab. You must type in names for your computer and the workgroup it will appear in. You must also type in a short description of your computer.

15. Click OK. Windows 95 will be configured to run with the VLMs. While Windows 95 is being configured you may receive dialog boxes asking for you to insert a disk. You may receive messages stating:

"The disk labeled Novell NetWare 4.x Windows driver disk is now required. This disk is provided by your computer manufacturer. Proceed by clicking OK."

These files were installed when you installed the NetWare client for DOS/MS Windows.

If the dialog states: "The file filename on Novell Netware 4.x Windows driver disk could not be found.", enter the path c:\windows\system directory in the "Copy files from:" box and click OK.

If the dialog states "The file filename on Novell Netware DOS driver disk could not be found.", enter the path c:\nwclient in the "Copy files from:" box and click OK.

A System Settings Change dialog box will be displayed when the configuration process is complete: Click NO to restart your computer. There is one more step that needs to be performed.

16. Open a DOS box, and modify the c:\nwclient\startnet.bat or autoexec.bat to include the following commands:

F:

login (servername\username is optional)

When you reboot the workstation you will be prompted to login while Windows 95 is initializing.

In some cases, Windows 95 will insert lines in the autoexec.bat to load the Novell ODI drivers even though the client is already being loaded from another batch file such as the startnet.bat. Check your autoexec.bat and verify that the ODI drivers are not being loaded twice.

17. To reboot the machine. Click Start, Shut Down. Then click Restart the computer and click Yes.

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18. The machine will reboot. You will be prompted to login from a DOS/text screen while Windows 95 is initializing.

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