TID: Lan WorkPlace for DOS/Windows 5.0 & Client32 - TID2911442

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NOVELL PRODUCT and VERSION:

LAN WorkPlace 5 for MS Windows and DOS
NetWare Client32 for DOS/Windows 2.1

ABSTRACT:

NA

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ISSUE

This is an unsupported setup and configuration, and is being presented as a "try at your own risk" solution.

Novell, Inc. DOES NOT support running this configuration.

Integrating LAN WorkPlace for DOS/Windows 5.0 and Client32 for DOS/Windows 3.1

This document provides information that has appeared to work in a test environment. It is being provided as a courtesy to Novells users who may wish to experiment with using LAN WorkPlace 5 with Client 32 for DOS/Windows.

There are various files that will need to be edited after the integration of Client32 for DOS and Windows 3.1 with LAN WorkPlace 5. This document contains detailed step-by-step instructions for installation.

Some assumptions are made at this point. First, your workstation is currently functional and operational running LAN WorkPlace 5, using the 16 bit client, and connecting successfully to your IP devices. Secondly, if using a NetWare server, a stable connection is established.

Integrating LAN WorkPlace 5 and Client32 for DOS and Windows 3.1.

Extensive testing on these configurations has not been completed at this time.

1. Install LWP 5 and verify that it functions properly, (e.g., ping, telnet, FTP, Rapid Filer and Host Presenter etc).

2. Begin the Install of Client32 for DOS and Windows 3.1.

   a:[X] Make sure that you have selected Netware Client 32 for DOS.

   b:[X] Select Netware Client 32 for Windows. (Optional, but recommended).

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c:[X] Make sure that the NetWare TCP/IP Protocol stack has been selected

d:[ ] Netware IP (TCP/IP Required). (Selection of this item is optional. It was not selected in Novells test of this method).

3. Next, the Customized Support for Windows dialog is displayed. Follow the promptings. (e.g., Shared Windows, Country Codes).

(Select F10 when finished)

4. "Configure TCP/IP & NetWare IP" dialog is displayed. If DHCP, Bootp or RARP are used, enter nothing, leaving the defaults. Otherwise, enter the correct data, (i.e., IP Address, Router, Netmask, and DNS).

(Select F10 when finished)

5. "LAN Driver" dialog is displayed. Select (i.e., 32-bit Driver or 16-bit).

(Select F10 when finished)

6. "Installation configuration summary" dialog is displayed

a: (Optional, but recommended) to modify Autoexec.bat and Config.sys.

b: Default Client directory (C:\Novell\Client32)

c: Windows directory (C:\Windows)

d: LAN Driver type (32-Bit LAN Driver)

e: LAN Driver (Novell NE2000)

(Select F10 when finished) Installation will proceed.

7. Reboot stage, (Alt+Ctrl+Del).

8. Once the system has rebooted, you will be prompted to load the LAN Drivers Y/N. Select N.

9. At this point, edit your Autoexec.bat file. remove the CALL statement (e.g., Call C:\net\bin\startnet.bat).

10. Edit the net.cfg file, located in C:\Novell\Client32. Comment out (;) the bind line for CNE2000 or remove it)

(Bind CNE2000 NE2000 #1 Ethernet_II LAN_NET)

If using the Windows Dialer comment out or remove the additional lines reflecting PPP_NET.

11. Windows Dialer application. The Dialer from LAN WorkPlace 5 REDBOX will not work with the Client32 for DOS and Windows 3.1. You must obtain the latest dialer patches from Novell (e.g., dialr1.exe, dialr2.exe and dialr3.exe)

(Contact Technical Support for the latest updates).

12. Edit autoexec.bat to add the c:\net\bin directory to the path. (If the c:\net\bin is not in the path the

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LAN WorkPlace applications will not be found):

Original autoexec.bat before installing Client32 for DOS and Windows 3.1.

@ECHO OFF

SET PROMPT=pg

SET PATH=C:\DOS;C:\NWCLIENT;C:\WINDOWS;C:\NET\BIN

SET TEMP=C:\TEMP

LH C:\WINDOWS\SMARTDRV.EXE 1024 512

CALL C:\NET\BIN\STARTNET.BAT

Sample autoexec.bat after the installation of Client32 on a LAN WorkPlace 5 workstation:

@ECHO OFF

SET PROMPT=pg

SET PATH=C:\DOS;C:\NWCLIENT;C:\WINDOWS

PATH C:\DOS;C:\NOVELL\CLIENT32;%PATH%

SET TEMP=C:\TEMP

LH C:\WINDOWS\SMARTDRV.EXE 1024 512

REM CALL C:\NET\BIN\STARTNET

@CALL C:\NOVELL\CLIENT32\STARTNET

13. Add c:\net\bin to the existing path. Combining both paths adding C:\Net\Bin

Path as exists in sample autoexec after installing Client32:

SET PATH=C:\DOS;C:\NWCLIENT;C:\WINDOWS

PATH C:\DOS;C:\NOVELL\CLIENT32;%PATH%

Path after manually adding \Net\Bin and combining lines:

Path=C:\Novell\Client32;C:\DOS;C:\NWCLIENT;C:\WINDOWS;C:\NET\BIN

14. Considering you have now added c:\net\bin in the path, there will be some duplicate files to rename so there are no conflicts. (Rename c:\net\bin\winsock.dll and wlibsock.dll to winsock.050 and wlibsock.050).

15. If using the NFS Client Applications, prior to entering into Windows you must manually load the following drivers:

a: LWPRPC.com

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b: LWPNFS.com

(If you want these drivers to load automatically, you must add them to your startnet.bat file).

16. Limited testing has been performed on the following applications:

Applications that seem to operate correctly under Windows.

Netscape

Serving FTP

Host Presenter

IP Resolver

LPD Print Server

Mailer

TN3270

Rapid Filer

Configuration

Xserver

DOS applications that seem to operate correctly under Windows:

PING

LPR

FTP

TNVT220

Configuration

DOS applications that DO NOT seem to operate correctly under Windows:

LWPCON

Based on a very basic installation (DOS 6.22, Windows 3.1 and LAN WorkPlace 5 for MS Windows and DOS, the above configuration appears to operate functionally and stable. If problems loading the various drivers occur, step through the load process using F8 to see where the failure is occurring. In some cases, it may require further modifications to existing batch files in order for flawless operation.

NOTE: If using the configuration program under DOS and/or Windows, a new startnet.bat file will be created from the settings inside the configuration utility. Also, a CALL statement to the new startnet.bat file will be added to the autoexec.bat. This CALL statement should be removed or commented out.

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