



Efficient Networks EnterNet 300 for Windows 9x, Me, NT4, 2000, and XP

Version 1.5c Service Pack 2, February 27, 2002

1. OVERVIEW:

This document lists the improvements implemented in the 1.5c Service Pack 2 release of EnterNet 300 for Windows. You will find "Release Notes" for prior versions at: <http://support.efficient.com/documentation.shtml>

EnterNet 300 v1.5c Service Pack 2 for Windows is a maintenance release with the following improvements:

2. FEATURES IMPLEMENTED IN V1.5C SERVICE PACK 2 RELEASE:

- 2.1.1 Ability to disable a false warning. Windows 98 introduced a new mechanism for managing network access between dial-up modems and connectionless Ethernet. Since PPPoE is a hybrid between the two mediums, it does not account for this type of connection over Ethernet. That is why the user can occasionally get warnings such as "Connection not available, try again". The symptom became more prevalent when the Windows Media Player version 7.1 was released. In this new version of EnterNet, if the user adds the WCDisable keyword to the EnterNet.ini file in the application directory, the change will be made to the registry, and the warning will be disabled. ISPs can also disable the warning for all Win98 users by adding this keyword to their installer files before shipping them to users. The following changes can be entered under the [Configuration] section of the EnterNet.ini file:
- WCDisable= The default is 0
0 - Don't do anything
1 - Changes registry settings from 'yes' or 'auto' to 'no' and renames LoadWc.exe to LoadWc.e____
2 - Changes registry settings from 'yes' or 'auto' to 'no' and renames WebCheck.dll to WebCheck.d____
- Note: The dll will not be renamed until the computer is rebooted. If one of the registry sections needs to be changed and the file hasn't been renamed before, EnterNet will tell the user to reboot. Bear in mind that these changes take effect only on Windows 98 retail and Second Edition. This is not an issue with Windows Me or later operating systems.
- 2.1.2 Ability to hide Properties tabs. We have added the ability to selectively hide any panel on the Properties window of the EnterNet dialer application. You can do this by editing the EnterNet.ini file and adding the following options:
- [Configuration]
ShowServiceProperties=0; Hide the "Service" Tab
ShowServiceProperties=1; display "Service" Tab
ShowConfigProperties=0; Hide the "Configuration" Tab
ShowConfigProperties=1; Display the "Configuration" Tab
ShowTcpProperties=0; Hide the "TCP/IP" Tab
ShowTcpProperties=1 ; Display the "TCP/IP" Tab
- 2.2 Problems Fixed in this Service Pack:**
- 2.2.1 The PPPoE adapter (NTSPPOE.VXD and NTSPPOE.SYS) has been changed to allow for faster connection times when the server is slow to retry it's PPP negotiation.

- 2.2.2 Dragging Profile to desktop from EnterNet Folder results in error. The folder application has been modified to fix this issue. This problem occurred with Windows NT and 2000. A similar problem occurred with the Japanese Windows operating systems.
- 2.2.3 Connection speed in the Advanced IP tab was incorrectly set at 10000000 for the NTS PPPoE adapter. The speed value was changed to N/A (not applicable).
- 2.2.4 QOS binding fails on Japanese Windows XP This problem has been fixed in this release.
- 2.2.5 Windows NT stores the desktop profiles slightly differently from Windows 2000 and XP. If you try to drag a profile to the desktop, the profile will disappear. This problem was fixed. Now when you drag a profile from the EnterNet folder to the Windows NT desktop, the profile will be copied to all active desktop folders.

3. FEATURES IMPLEMENTED IN V1.5A/B/C:

- 2.2.6 DSL Modem tab for Efficient modems 3061 and 4031 was removed. These modems will no longer be detected by EnterNet when launching the Advanced window or the Profile Properties.

3.1 **Major Features**

- 3.1.1 Support for Windows XP added.
- 3.1.2 This release fixes a problem occurring with some Windows 2000 systems that are unable to browse correctly upon connection. In some cases the Windows TCP was dropping the negotiated IP address. With v1.5c, EnterNet now uses a number of methods to set the IP address: first, using the private API call with the default enumerator index to the Ethernet adapter; second, using the 0 index; third, using DHCP. Note that there is also a problem with Windows 2000 in general that requires service pack 1 or later for resolution. In all cases, we recommend that you install the latest Windows 2000 service pack before installing EnterNet 300 v1.5c for Windows.
- 3.1.3 The Network parameter in the Enternet.ini file can be set now when the username is not present.
- 3.1.4 The client can now request PAP or CHAP authentication from the server using the Enternet.ini file. Set the parameters LogonSecurity=1 (for PAP) or 2 (for CHAP). This parameter can be added under the [Configuration] section if global for all connections. It can also be added under the Session section (i.e. [00] for a specific profile). The default is to accept any authentication mode that the server requests.
- 3.1.5 Support for the AT&T VPN client on Win9x systems (except for WinMe). Select the Protocol Driver from the Advanced Settings. The AT&T VPN client was already supported on Windows NT and 2000.
- 3.1.6 Efficient Networks PPPoE adapter was fixed to enable adding from the Network properties on Windows NT.
- 3.1.7 EnterNet now sends LCP and PAD Terminate requests after detecting that the network or modem have stopped responding to LCP Echo requests.
- 3.1.8 The provider can now force an uninstall before installing EnterNet. When AllowUpgrade=0 is added in the [CustomOptions] section of the Setup.ini file, the installer will not allow users to proceed with an upgrade until they have uninstalled EnterNet first. The default is to upgrade without uninstalling, keeping the users' parameters saved in the Enternet.ini file. This is usually only necessary when adding new features in the Enternet.ini file, which is not copied in an upgrade.
- 3.1.9 Integrated CPE Management
A new feature debuting in this version, Integrated CPE Management (ICM) allows subscribers to configure and diagnose recognized CPE. ICM is a modular feature: To activate ICM, a CPE Management

Module must be installed in EnterNet. Version 1.5c of EnterNet ships with the Efficient Networks SpeedStream Management Module pre-installed.

3.1.10 New and improved Help system

The new Help system includes additional topics as well as expanded sections for many existing topics. The topics are now regrouped and reorganized in an easy to understand fashion.

3.1.11 SpeedStream Management Module

When EnterNet is used on a system that is also configured with a SpeedStream DSL modem, the EnterNet SpeedStream Management Module creates two new tabs on the EnterNet interface. These new tabs are described below. NOTE: To support SpeedStream PCI and USB DSL modems, the SpeedStream Management Module requires that SpeedStream 3.0 drivers (or newer) be installed.

3.1.12 DSL Modem Tab on Profile Properties Dialog

A tab named DSL Modem will appear on the EnterNet Profile Properties dialog. From this tab you can: configure the SpeedStream DSL modem; test hardware, software, the DSL modem, the network beyond the DSL modem, and Internet accessibility; and update the firmware in SpeedStream Ethernet DSL modems.

3.1.13 DSL Modem Tab on Advanced Information Dialog

A tab named DSL Modem will appear on the EnterNet Advanced Information dialog. From this tab you can: view connection status information including DSL status, ATM status, send and receive packet (and byte) counts and errors; and view technical details about the SpeedStream DSL modem.

3.2 Minor Application Improvements

3.2.1 Upgraded the Help system from WinHelp 95 to WinHelp 2000, and documented features relevant to version 1.5.

3.2.2 The default image (BACKGROUND.JPG) that appears in the left pane of the EnterNet folder was changed to reflect Efficient Networks branding rather than NTS branding.

3.2.3 The default splash screen (SETUP.BMP) that appears when the EnterNet installer launches was changed to reflect Efficient Networks branding rather than NTS branding.

3.2.4 Added Polish language support.

3.2.5 Updated Canadian French language support.

3.2.6 Added a new dialog that appears if the configured PPPoE server cannot be reached, or if a selected service is no longer offered by the configured server.

3.2.7 The EnterNet application and the EnterNet folder now close when Windows enters sleep or standby mode.

3.2.8 Improved compatibility with Cisco BRAS by accepting the MRU from the remote peer.

3.2.9 String separation has been increased.

3.2.10 Added support for Efficient Networks 52xx-class DSL modems.

3.3 Minor Installer Improvements

3.3.1 Improved the ability to install EnterNet updates and upgrades over older EnterNet versions.

3.3.2 Now closes EnterNet before applying updates or upgrades to prevent DLLs with long file names from being truncated to the DOS 8.3 file name format on Windows 9x systems.

3.3.3 Replaced NETSETUP.EXE with the improved NSX.EXE.

3.4 New Customization Capabilities

- 3.4.1 **ShowDSLProperties=**
In the [Configuration] section of the ENTERNET.INI file, set this value to 0 to hide the DSL Properties tab on the Profile Properties dialog.
- 3.4.2 **ShowUpdateFirmware=**
In the [Configuration] section of the ENTERNET.INI file, set this value to 0 if you wish to hide the Upgrade Firmware button on the DSL Modem tab. NOTE: The Update Firmware function will appear only if a SpeedStream DSL Ethernet modem is present.
- 3.4.3 **DSLSoftwareText=**
In the [DSLModem] section of the ENTERNET.INI file. The string that appears after this keyword will also appear - on the DSL Modem tab - as instructions for the Upgrade Firmware button. NOTE: The Update Firmware function will appear only if a SpeedStream DSL Ethernet modem is present.
- 3.4.4 **ShowUsageInformation=**
In the [Configuration] section of the ENTERNET.INI file, set this value to 1 if you wish EnterNet to display -- at the conclusion of a session -- a pop-up window with session statistics, including connection time, and an account of sent and received packets.
- 3.4.5 **NoPersist=**
In the [Configuration] section of the ENTERNET.INI file, set this value to 1 to disable the Persistent Connections feature.

4. BUG FIXES:

- 4.1 Fixed a compatibility problem with some VPN clients (Lucent and ATT) on Windows NT4.
- 4.2 Fixed a problem that caused erroneous characters to appear in the left pane of the EnterNet folder if Microsoft Internet Explorer version 4.0 or greater was not installed.
- 4.3 Install IMAGEHLP.DLL on Windows 95A if it doesn't already exist. This fixes a bug wherein EnterNet profiles failed to launch if the file was not present.
- 4.4 Changed the groupXXX.htm files to fix a "File Not Found" error when clicking on Profiles in the EnterNet folder.
- 4.5 Fixed a bug that prevented Dial on Demand from being installed if the user selects the Quick Install option.
- 4.6 Fixed a bug wherein Tap would fail to load on Windows 95 systems.
- 4.7 Fixed a bug in NTSPPOE.SYS that caused un-install trouble on Windows 2000 systems.
- 4.8 Rewrote NETSETUP.EXE (and renamed it to NSX.EXE) to resolve the following issues: occasional crashes during installation, occasional crashes during un-installation, and unexpected Windows Network Properties pop-ups. The re-write also reduced the size of the binaries.
- 4.9 Fixed a bug that caused crashes when Windows ME entered sleep mode.
- 4.10 Fixed a bug that caused the Windows NT and Windows 2000 DHCP service to stop working if the user switched from EnterNet DHCP mode to EnterNet private API mode and back again.
- 4.11 Fixed a bug that occasionally kept EnterNet from being able to browse or route properly on Windows 2000.
- 4.12 Fixed a bug that occasionally caused Efficient Networks 5260 modems to be incorrectly identified and configured.
- 4.13 Enhanced multiple adapter support by promoting the PPPoE-obtained IP address in the route table. This corrects a prior condition that prevented access to a properly obtained PPPoE route, thus rendering that route—and the associated connection—unusable. This enhancement applies to all Windows versions except Windows 95, which does not support this feature.

5. KNOWN ISSUES:

- 5.1 On all operating systems, the un-installation of EnterNet 300 will remove all EnterNet files and folders from the system except for the Efficient Networks folder in Program Files. If other Efficient Networks products are subsequently installed on the system, they will share this common folder. If no other Efficient Networks products are installed, the user may safely delete this folder
- 5.2 EnterNet 300 allows service providers to add their company name instead of Efficient Networks, and to replace the product name (EnterNet 300) with their own product name. In this release, the installer does not detect existing installations if the product name or company name have been customized by your service provider. The installer simply installs the product in a new directory. This results in your having two adapters. While this condition does not prevent your system from working normally, it may be confusing. A workaround is to save your configuration, uninstall your existing application, reboot, and then install this new version. This behavior should be fixed in subsequent releases.
- 5.3 Windows XP has introduced a new feature that delays the loading of some services. If the user has a Limited User account, and starts EnterNet 300, EnterNet PPPoE service takes a few minutes to initiate a connection. If during this time the user clicks on the EnterNet 300 folder, the user receives an error message, "Failed to load RawESR". Further attempts to start EnterNet 300 may result in another error message: "Failed to Create Device". To solve this problem, quit or close the EnterNet Folder and try again in one minute.