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Open Transport 1.1.2 Read Me - Part 1 (5/97)

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TOPIC -----

This article is the Open Transport 1.1.2 ReadMe - Part 1 file.

DISCUSSION -----

Introduction

This Read Me document contains late-breaking information about Open Transport compatibility, add-on software, and solutions to known problems with third-party software. For instructions about how to use the Open Transport control panels (AppleTalk and TCP/IP), see the Open Transport User's Guide. For additional technical information about Open Transport, see the "Open Transport Technical Info" file that came with Open Transport.

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License agreement

This release of Open Transport is subject to the terms and conditions of the license agreement that accompanies the software in the file "LICENSE." By downloading the software you agree to abide by the terms and conditions of the license agreement.

What's new in Open Transport 1.1.2 - general

- Fixes a performance problem which only affects Print Server Developers using native PAP.
- Introduces a change to TCP that should provide a minor increase in Web servers reusing TCP connections. Open Transport will now unbind while the 2 minute disconnect timer is expiring.
- Fixes a problem with the Open Transport serial STREAMS module that could cause a crash. The crash could result if the modem was turned off, hung, or unresponsive while a connection was attempted with OT/PPP.
- Fixes a problem where disconnecting with MacPPP 2.5.1 could cause a crash if QuickTime Conferencing was running and waiting for connections.
- Includes minor modifications to improve performance, compatibility and reliability.

System requirements

Open Transport is designed to work on Mac OS-compatible computers with a Motorola 68030 or 68040 family microprocessor, or a PowerPC microprocessor. Open Transport is supported on system software versions 7.1, 7.1.1, 7.1.2, 7.5.3, 7.5.5 or later. System software version 7.5.3 or later is recommended. No other system software versions are supported.

Open Transport 1.1.2 can be used on Apple Power Macintosh 5200/75 LC and 5300/100 LC, and Macintosh Performa 5200, 5215, 5300, 6200, 6205, 6214, 6216, 6218, 6220, 6230, 6290 and 6300. (The recently introduced Power Macintosh 5260 and 6320 are not included in this because all known issues were fixed prior to manufacturing.) When you install OT 1.1.2 on a these 52xx, 53xx, 62xx and 63xx models you may get a dialog box indicating a hardware issue was detected. If this alert is displayed, Open Transport cannot be installed or loaded until the Cache/ROM DIMM is replaced. Your computer will continue to run classic networking. The required repairs are covered under the Apple repair extension program. Please contact an Apple-authorized service provider to have your computer repaired.

Open Transport requires a minimum of 5 MB of RAM (68030 or 68040 computers) or 8 MB of RAM (PowerPC-based computers). Open Transport memory requirements are based on total system memory including virtual memory, minus the size of any RAM disk and disk cache you're using.

Network interface options

Open Transport 1.1.2 supports PCI bus, NuBus, communications slot, and PC Card network interface cards, as well as built-in LocalTalk, Ethernet, and Token Ring network adapters. For supported computers without expansion options, Open Transport 1.1.2 also supports a SCSI-attached network adapter. Third party network interface options available for Open Transport include Fast Ethernet, ATM, and FDDI.

Before you install Open Transport 1.1.2

- Read the section "Known limitations and other issues" below to make sure Open Transport 1.1.2 will work on your computer.
- Make backup copies of the software and documents on your hard disk (especially your System Folder) before installing this software.
- For best results, you should install Open Transport 1.1.2 over Open Transport 1.1 or Open Transport 1.1.1, but not over any beta version of Open Transport.
- Turn on only those extensions installed with your system software. (Open the Extensions Manager control panel and select System 7.5.3 or 7.5.5 from the Sets pop-up menu, then restart your computer.) Do not turn off all extensions before installing Open Transport.
- Performa and Power Macintosh 52xx, 53xx, 62xx and 63xx models using System 7.5.3 or later can install Open Transport 1.1.2 directly. Other supported systems must install Open Transport 1.1 or have Open Transport 1.1.1 on system software version 7.1, 7.1.1, 7.1.2 , 7.5.3, or 7.5.5 before updating to Open Transport 1.1.2.
- If you use SLIP or PPP software to access the Internet, verify that your SLIP or PPP software is compatible with Open Transport. See the section under "Dialup network connectivity - TCP/IP."
- When Open Transport is installed, the Network control panel is replaced by the AppleTalk configuration utility program. The MacTCP control panel is replaced by the TCP/IP configuration utility program. Both AppleTalk and TCP/IP are located in the Control Panels folder. For simplicity and consistency, user documentation generally refers to AppleTalk and TCP/IP as "control panels" even though technically they are utility programs.
- You should download a copy of System 7.5 Update 2.0 to your hard disk or have a copy of the Open Transport 1.1 retail package or Open Transport 1.1.1 Internet GM package available. This will give you the software to reinstall Open Transport 1.1 or Open Transport 1.1.1 in case you decide to remove Open Transport 1.1.2.

How to turn off or remove Open Transport 1.1.2

Switching to Classic Networking

If your computer does not have a PCI bus, and is using system software version 7.5.3 or 7.5.5, you can use the Network Software Selector (NSS) utility to turn on classic networking instead of Open Transport. The NSS utility is installed in the Apple Extras folder when you install System Update 2.0. After selecting

classic networking, close NSS and restart your computer. When your computer starts up again, open the Network control panel and choose the network connection you want to use.

Removing Open Transport with the Installer

You can remove Open Transport software with the Custom Remove option in the Installer. However, the Custom Remove option removes a file called the Apple Shared Library Manager (ASLM). If any previous version of ASLM was installed, it was automatically updated to version 2.0.1 when you installed Open Transport 1.1.2. When you remove Open Transport, your previous version of ASLM is not automatically restored.

After removing Open Transport 1.1.2, you must reinstall any applications that rely on ASLM. Reinstalling these applications will install the required ASLM files.

To remove Open Transport 1.1.2 using the Installer, follow these steps:

1. Open the Installer included with Open Transport 1.1.2. The Welcome screen appears.
2. Click OK.
3. In the window that appears, choose Custom Remove from the pop-up menu in the upper-left corner.
4. In the list that appears, click the box next to Open Transport so an 'X' appears in it.
5. Click Remove. If a window appears asking you whether to quit any open applications, click Continue. A window will appear telling you to restart your computer.
6. Click Restart.
7. On a Power Macintosh system with PCI bus, you will then need to reinstall Open Transport 1.1 software using either (1) the System 7.5, Update 2.0 installer, (2) the Open Transport 1.1 installer, or (3) a system software CD. If you use the system update installer or the system software that came with your computer, perform a custom install of the network software.
8. On a Macintosh system without PCI bus, classic networking will be restored and made active.

Open Transport Extras Folder

• This release also contains an Open Transport Extras folder which includes for your convenience:

- Claris EMailer updaters
- MacPPP 2.5 software files
- Remote Only ADEV software
- Network Options for AppleTalk & TCP/IP
- the Open Transport Reference Q & A
- the Open Transport User's Guide

General compatibility

Open Transport is compatible with:

- existing applications that use AppleTalk as specified by Apple Computer, Inc.
- existing applications that use MacTCP as specified by Apple Computer, Inc.
- existing devices (such as printers) that you select in the Chooser
- existing NuBus network interface cards for the Mac OS

Computers running Open Transport can be added to an existing AppleTalk or TCP/IP network without upgrading other computers on the network.

Apple product compatibility update

- At Ease version 2.x or 3.x may encounter problems when starting up with Open Transport. At Ease Update 1.0 will update non-Workgroup versions of At Ease 2.x or 3.x to include Open Transport compatibility. If you are using At Ease for Workgroups, you should upgrade to version 3.0.2 or later. Both can be found on Apple Software Update sites on the Internet and selected online services.
- Assistant Toolbox version 1.2 is not compatible with Open Transport, and will result in AppleTalk being turned off each time you restart your system. System 7.5 update 2.0 and 7.5.5 includes Assistant Toolbox version 1.3 or later that is compatible with Open Transport.
- The Apple PCI Token Ring Card (M3904Z/A) requires Open Transport 1.1 or later. The Apple PCI Token Ring card is compatible with Power Macintosh 7500, 8500 and 9500 computers; it is not compatible with 7200/75 and 7200/90 computers.
- Apple LaserWriter Bridge and LocalTalk Bridge 2.1 or later are compatible with Open Transport.
- Apple Internet Dialer 1.0, part of the Apple Internet Connection Kit 1.0 (stock number M4276LL/A), is not fully compatible with System 7.5.3. This is corrected in AICK 1.1 (stock number 504081U). AICK customers with version 1.0 can update their software by downloading a "patcher" from the Apple Internet Connection Kit home page, available at <<http://aick.apple.com/>>.
- Apple Internet Mail Server 1.1 or later software is compatible with Open Transport 1.1 and later. System Update 2.0 (System 7.5.3) is strongly recommended.
- Apple Remote Access (ARA) Multiport Server 2.1, ARA Client 2.0.1, and ARA Personal Server 2.0.1 are compatible with Open Transport 1.1 and later.
- Apple PCI-based Workgroup servers (Application, AppleShare, and Internet) are compatible with Open Transport 1.1 or later.
- Computers running the current versions of Apple IP Gateway and AppleTalk Internet Router must not be updated to Open Transport; these products are based on classic networking. These products do, however, interoperate with computers using either classic or Open Transport networking. Apple has not yet announced plans regarding future versions of these products.
- Apple's MacTCP Ping is not compatible with Open Transport; no update is

planned. MacPing from Dartmouth, available at <ftp://www.dartmouth.edu/pages/softdev/>, OTTool from Neon Software, available at <ftp://ftp.neon.com> and Mac TCP Watcher v2.0 from Peter N. Lewis & Stairways Software available at <ftp://ftp.share.com> are Open Transport-compatible alternatives.

- ZapTCP is a classic networking tool and is neither compatible nor needed with Open Transport. Functionality similar to ZapTCP is built into Open Transport.

Dialup network connectivity - AppleTalk

For dialup connectivity to AppleTalk networks, Open Transport supports Apple Remote Access version 2.0.1 or later.

Dialup network connectivity - TCP/IP

For dialup connectivity to TCP/IP networks (including the Internet) Open Transport supports third-party extensions known as "MDEVs." Serial Line Interface Protocol (SLIP) and Point to Point Protocol (PPP) connectivity are provided in this manner. Not all versions of all MDEVs are compatible with Open Transport 1.1 and later.

Open Transport 1.1 and later recognizes and is compatible with the following MDEVs. When properly installed they appear in the "Connect via" pop-up menu in the TCP/IP control panel.

- FreePPP - version 1.0.5 or later

FreePPP is shareware and can be found on the Internet, typically at "info-mac" mirror sites in the comm/tcp/conn directory. A list of info-mac mirror sites can currently be found at:

<<http://www.pht.com/info-mac/mirror-list.html>>

Some sites where FreePPP can be found currently include:

<<ftp://mirrors.aol.com/pub/info-mac/comm/tcp/conn/>>

<<ftp://mirror.apple.com/mirrors/Info-Mac.Archive/comm/tcp/conn/>>

FreePPP versions prior to 2.5 may experience problems when running with virtual memory turned on (including RAM Doubler). If you have problems using FreePPP with VM, either update to FreePPP 2.5, or temporarily turn VM off. The current version of FreePPP is 2.5v2.

- MacPPP - version 2.1.4 or later (MacPPP 2.5 is recommended)

MacPPP versions prior to 2.5 may experience problems when running with virtual memory turned on (including RAM Doubler). If you have problems using MacPPP with VM, either update to MacPPP 2.5, or temporarily turn VM off.

An Open Transport-compatible version of MacPPP (MacPPP 2.5) is included in the Open Transport Extras folder. For more information, please refer to the MacPPP Read Me document.

- InterPPP - version 1.2.9 or later; InterPPP II - version 1.1 or later
InterPPP and InterPPP II are commercial software products. For availability and ordering information in the U.S., contact InterCon Systems at 800-468-7266 or 703-709-5500.

- MacSLIP - version 3.0.3 or later
MacSLIP is commercial software developed by Hyde Park Software. For availability and ordering information in the U.S., contact TriSoft at 800-531-5170 or 512-472-0744. For more details see the MacSLIP Web page at <<http://www.zilker.net/~hydepark/>>

- Sonic PPP - version 1.0.2 or later
SonicPPP is commercial software developed by Sonic Systems, Inc. For availability and ordering information in the U.S., contact Sonic Systems at 408-736-1900 (voice) 408-736-7228 (fax). For more details see the Sonic Systems Web page at <<http://www.sonicsys.com/>>

- NTS PPP - 2.0 or later
NTS PPP is commercial software developed by Network Telesystems, Inc. For availability and ordering information in the U.S., contact Network Telesystems at 408-523-8100 (voice) 408-523-8818 (fax). For more details see the Network Telesystems Web page at <<http://www.nts.com/>>

- SAT/SAGEM PPP - 1.02b1 or later
SAT/SAGEM PPP is commercial software developed by SAT/SAGEM. For availability and ordering information in the US, contact SAT/SAGEM at 408-446-8690 (voice) 408-446-9766 (fax). For more details see the SAGEM Web page at <<http://www.satusa.com/>>

- LeoTCP - 2.0.1 or later
LeoTCP is commercial software developed by Hermstedt GmbH. For availability and ordering information in the U.S., contact Hermstedt USA at 1-800-828-5522 (voice). In Europe contact Hermstedt GmbH at +49 621-76500 (voice) +49 621-7650100 (fax).

- T-Online CSLIP - version 1.0.3 or later
T-Online CSLIP is commercial software developed by Computer Consulting GbR. For availability and ordering information in Europe, contact format network & communication at 49 2206 95840. For more details, contact format network & communication at info@format.de.

- University of Michigan ISDN - 2.0.6 or later

In addition to these, there are a number of other MDEVs (examples include those from Pacer, FCR, and Tribe) which are indistinguishable from one another to Open Transport. When installed, these appear in the "Connect via" pop-up menu as "TCP/IP PPP."

Native dialup network connectivity - TCP/IP

- OT/PPP - version 1.0 or later
Open Transport supports extensions that use the STREAMS architecture. OT/PPP is available on the Apple Software Update sites on the Internet and requires Open

Transport 1.1.1 or later.

Article Change History:

01 May 1997 - Added complete product names for Cache/ROM DIMM program.

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