



Doc. No. 78-1742-01

Release Notes for LAN Extension Client Software

Software Release 1.21 **January 10, 1995**

These release notes describe the modifications and caveats for the LAN extension client software up to and including Release 1.21. Refer to the Internetwork Operating System (IOS) Release 10.2 *Router Products Configuration Guide* and *Router Products Command Reference* publications for complete LAN extension client and host software documentation for Release 1.21.

Platform Support

LAN extension client software Release 1.21 is supported on the following LAN Extender platforms:

- Cisco 1001 LAN Extender (Ethernet LAN connection with a V.35 network connector)
- Cisco 1002 LAN Extender (Ethernet LAN connection with an X.21 network connector)

You can use the LAN Extender with Cisco 7000 series, Cisco 4000 series, Cisco 2500 series, and AGS+ host routers. Host routers must be running IOS Release 10.2 or later.

Important Notes

This section describes warnings and cautions about using the LAN extension client software Release 1.21. The information in this section supplements the information given in the next section, "Release 1.21 Caveats."

- The Cisco 1002 LAN Extender does not always sense when the wide-area network (WAN) interface cable is unplugged and does not display the LED blink error code of 1 as described in the Cisco 1000 documentation. If the serial cable is unplugged, the error code 2 (no clock) or 6 (no Point-to-Point Protocol [PPP] link) might appear. If either error code appears, check that the cable is connected properly.

- The Cisco 1001 and Cisco 1002 LAN Extenders are designed to operate as data terminal equipment (DTE) devices only, and as such they require the data communications equipment (DCE) device to provide both a transmit and receive clock. These functions are usually provided by a channel service unit/data service unit (CSU/DSU) or modem eliminator. The Cisco CSC-MCI and CSC-SCI cards, which are used in the AGS+ router, do not supply a receive clock to the DTE device. To supply a transmit and receive clock to the Cisco 1001 and Cisco 1002 LAN Extenders, install a CSU/DSU or modem eliminator.
- Attempts to log in to NetWare will fail if Internetwork Packet Exchange (IPX) fast switching is enabled on the core router's Ethernet or LAN Extender interface.

Release 1.21 Caveats

This section describes unexpected behavior by LAN extension client software Release 1.21. The caveat listed in this section describes only a serious problem. For a more complete list of caveats for this release, use UniverCD or access Cisco Information Online (CIO) as described in the section "Cisco Information Online" later in this document.

Interfaces and Bridging

The **priority-group** interface configuration commands do not work on the LAN Extender. [CSCdi26603]

Release 1.13 Caveats/Release 1.21 Modifications

There were no serious caveats corrected in this release. For a complete list of caveats for this release, use UniverCD or access CIO as described in the next section, "Cisco Information Online."

Cisco Information Online

Cisco Information Online (CIO) is Cisco Systems' primary, real-time support channel. You can use your product serial number to activate CIO for a single user during your warranty period. Maintenance customers and partners can self-register on CIO to obtain additional content and services.

Available 24 hours a day, 7 days a week, CIO provides a wealth of standard and value-added services to Cisco's customers and business partners. CIO services include product information, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CIO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously—a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CIO (called "CIO Classic") supports Zmodem, Kermit, Xmodem, File Transfer Protocol (FTP), Internet e-mail, and fax download options, and is excellent for quick access to information over lower bandwidths. The WWW version of CIO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CIO in the following ways:

- WWW: <http://www.cisco.com>.
- Telnet: [cio.cisco.com](telnet://cio.cisco.com) (198.92.32.130).

- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and baud rates up to 14.4 kbps.

For a copy of CIO's Frequently Asked Questions (FAQ), contact cio-help@cisco.com. For additional information, contact cio-team@cisco.com.

Note If you are a network administrator and need personal technical assistance with a Cisco product that is under warranty or covered by a maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447, 408 526-7209, or tac@cisco.com. To obtain general information about Cisco Systems, Cisco products, or upgrades, contact 800 553-6387, 408 526-7208, or cs-rep@cisco.com.

UniverCD

The complete caveats for this release are available on UniverCD, which is the Cisco Systems library of product information on CD-ROM. On UniverCD, access the IOS Release 10.2 Caveats in the Internetwork Operating System Release 10.2 database.

This document is to be used in conjunction with the *Router Products Configuration Guide*, *Router Products Command Reference*, *Router Products Configuration Guide Addendum*, *Router Products Command Reference Addendum*, and *Enhanced IGRP Configuration Guide and Command Reference* publications.

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