Communication Server Documentation Enhancements

The 500-CS software documentation includes two manuals: the Release 9.0 *Terminal Server Configuration and Reference* manual and the *Terminal Server Configuration and Reference Addendum for Cisco 500-CS*. The addendum contains information about new asynchronous IP routing features available on the 500-CS. The addendum is structured to provide information in the order needed to configure a 500-CS for asynchronous IP routing using SLIP, CSLIP, or PPP.

Caveats for Interim Release 9.1

The following items highlight unexpected behavior of the 500-CS software. Cisco systems provides an internal reporting system for tracking modifications and caveats. For reference purposes, identification numbers follow the description of the caveat or modification.

Asynchronous PPP

> Asynchronous PPP "escaped character" negotiation is not supported. This may result in a performance degradation on asynchronous PPP links. [CSCdi05018]

Compressed SLIP

> In terminal-server mode, configuring Compressed SLIP with the **slip header-compression** command results in incorrectly formatted datagrams. This causes each datagram to be retransmitted, which reduces throughput and responsiveness. CSLIP in router mode functions correctly. [CSCdi05505]

Command Displays

> When you type the help commands **show ?**, **clear ?**, and **debug ?**, many subcommands are listed that do not apply to the 500-CS (for example, **show xns**). [CSCdi05319]

> The modem-debugging signal names do not match the hardware. The **debug modem** command reports transitions on the DSR signal as being on the RING signal. The names of the signals supported by the 500-CS have been changed to reflect modern usage (RTS/CTS, DTR/DSR), but the debugging messages still refer to the old names (for example, RING instead of DSR). [CSCdi05130]

> If a communication server has downloaded a host configuration file over the network, the vacant message will be displayed. The vacant message also appears with the output of the **finger** command. Use the **no vacant-message** configuration command to suppress the message. [CSCdi04337]

Obtaining RFCs and MIBs

The MIB-II documentation (RFC 1158) can be obtained from the DDN Network Information Center either electronically or through the mail.

For a mailed copy, write to the following address:

DDN Network Information Center
Government Systems, Inc.
Attention: Network Information Center
14200 Park Meadow Drive
Suite 200
Chantilly, VA 22021

RFCs can be obtained electronically by using the TCP File Transfer Protocol (FTP) from the IP Internet at address `nic.ddn.mil`, with the path-name `RFC:RFCxxxx.TXT` (where "xxxx" refers to the number of the RFC desired). Log in through FTP, user name "anonymous" and password "guest." Then retrieve the README file listing the directory's resources.

The NIC also provides an automatic mail service for those sites that cannot use FTP. Address the request to `service@nic.ddn.mil`. In the subject field of the message, indicate the RFC number, as in "Subject: RFC 1158."

For the Cisco enterprise-specific MIB module, login with FTP to `ftp.cisco.com`, user name "anonymous." Retrieve the README file for the list of available files.

Interim Release 9.1 Features

This section summarizes the functionality of the 500-CS. See the *Terminal Server Configuration and Reference Addendum for Cisco 500-CS* for a complete description of new 500-CS software features and functionality.

New Functionality

With the 500-CS communication server, Cisco introduces a new hardware platform to its line of routers, terminal servers, and protocol translators. The 500-CS offers the features and functionality of the Release 9.0 terminal server platform in addition to full-featured IP routing over asynchronous serial lines. This feature set includes support for Challenge Handshake Authentication Protocol (CHAP) security and automatic dialing using the Data Terminal Ready (DTR) output signal.

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500-CS Communication Server Interim Software Release Notes 9.1

Customer Order Number: DOC-CSRN-b9.1

This release note describes the features, modifications, and caveats for Interim Software Release 9.1 for the 500-CS communication server.

Complete documentation for the 500-CS is contained in the Release 9.0 *Terminal Server Configuration and Reference* manual, the *Terminal Server Configuration and Reference Addendum for Cisco 500-CS*, and the *Cisco 500-CS Hardware Installation and Reference*.

This release note contains the following information:

- Instructions on how to obtain files from Cisco by means of the network File Transfer Protocol (FTP)
- A description of major functions of the 500-CS
- Software release caveats

Publicly Accessible Files

Cisco Systems maintains an online directory of documents that are available to customers over the Internet via the TCP File Transfer Protocol. This directory contains current Cisco Systems release notes in PostScript format and information and comments contributed by Cisco customers and engineers.

To access these files, use the *anonymous login convention*. The files are located on host name `ftp.cisco.com`. Log in as user *anonymous*. When prompted for a password, enter your own electronic mail address. Cisco's FTP server does not accept directory listing requests from anonymous users; retrieve the README file for a list of available files.

For security reasons, Cisco's FTP server will only accept anonymous connections from hosts listed in the reverse mapping database of the Internet domain name system.