



CTP System

CTPOS Release Notes

Release 5.3

Juniper Networks, Inc.

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CTPOS Release 5.3

Release Overview

These *Release Notes* accompany Release 5.3 of the CTPOS Circuit Emulation software. They describe the enhancements as well as known issues with the software. CTPOS runs on all Juniper Networks CTP 1000-series and 2000-series platforms. CTPView 3.3 or later is required for this release.

If the information in these *Release Notes* differs from the information found in the published documentation set, follow these *Release Notes*. These *Release Notes* include the following sections:

- Release Overview on page 1
- Required Files on page 1
- Upgrade Notes on page 2
- New Features and Enhancements on page 2
- New Hardware on page 4
- Known Issues on page 4
- Bugs Fixed on page 5

You can also find these release notes on the Juniper Networks Technical Publications CTP documentation Web page, at <http://www.juniper.net/techpubs/hardware/ctp/>.

Required Files

- Release 5.3R1 upgrade file: acorn_429_090324.tgz
- T1E1 Winpath firmware update:
acorn_429_090121_winmon_2000_t1e1_v27.tgz
- Serial and T1E1 firmware update:
acorn_429_080815_fpga_2000_ser_v71_t1e1_vEA_16.tgz
- 5.3R1 FLASH image: flash_5.3R1.img
- OpenSSH/SSL upgrade file: acorn_429_081014.tgz

Upgrade Notes



NOTE: The information in this section assumes that you are using a CTPView Management appliance to upgrade your CTP systems.

The files listed in Required Files are for upgrades from CTPOS 4.5R1 and later. When upgrading from the following releases, you must rerun the upgrade process for it to complete properly:

- CTPOS 4.5R1 through 4.5R7
- CTPOS 4.6R1 through 4.6R2

Confirm the correct version by checking the version reported at the end of the CTPView upgrade status window. If the version is not Release 5.2R1, rerun the upgrade and it should complete successfully.

For versions between 4.3R2 and 4.5R1, the following additional file is required:

- CTPOS FLASH upgrade file (CTP 1002): acorn_429_071029_k256.tgz

Software versions before Release 4.3R2 may require additional support files to complete the upgrade process. Contact Juniper Technical Support with questions.

New Features and Enhancements

This section describes features and enhancements new to this release.

Double Shielded Cables

The CTP2000 FXO and FXS modules require the use of double shielded cables (copper braid plus aluminum mylar foil) to ensure EMI Compliance.

Calculated Packets Per Second Display

When you are connected to a CTP node running CTPOS 5.X, you can view the current calculated packets per second value and the maximum allowed value on the Bundle and Node configuration or query pages. The values are updated each time the page is opened or refreshed, and when a configuration change is submitted.

SNMPv3 Support

Support for SNMPv3 queries to CTPOS has been added in this release. Currently, the configuration is restricted to SHA authentication and AES encryption.

Menu support for SNMP/SNMP Trap Configuration

SNMP and SNMP trap configuration are now available through the menu. This feature includes support for up to 8 RX and 8 TX entries, discrete IPs, or subnets using CIDR notation.

Support for Route Redundancy

CTPOS can now monitor the routing table for next-hop gateway reachability of the routes manually entered through network configuration. If a next-hop gateway is unreachable, the associated route is removed and installed backup routes are used. This feature can be used to enhance recovery of circuits in a network with diverse routes to distant hosts based on reachability information. It is not link-state-aware route table maintenance.

OpenSSH/SSL Upgrade

To address known vulnerabilities, the OpenSSH/SSL packages provided with a CTPView installation with the Fedora 9 OS include versions SSH-5.1p1 and SSL-0.9.8g.

Security Level Management

You can now configure the level of security restrictions on the server operating system and the CTPView browser interface. You can modify this configuration using the CLI menu under the Main Menu/Security Profile/Modify Security Level option.

Configuration Access Filtering

You can now limit access to the CTP through SSH by using an IP address. This filtering function is available through the Main Menu/Node Operations/Configure Network Settings/Config access ip filtering option.

Changing User Passwords

It is no longer necessary to use the root password to make the flash writable for changing a user password. A privileged administrator of the CTP system now has the necessary permissions to make the flash writable.

Changes to SNMP Configuration

The following CTP SNMP configuration changes are now supported:

- You can now provide access to SNMP queries for up to eight hosts or networks.
- You can now define up to eight trap receivers.
- You can now use the following characters: a-z, A-Z, 0-9, -, _, !, @, # for an SNMP community string.

Support for Hyphen (-) Character

The CTP hostname can now include the hyphen (-) character.

Support for CTRL-H As a Backspace

The console now supports use of Ctrl + h as a backspace within a menu, which resolves a Windows HyperTerminal compatibility issue.

Increased Character Support

The number of characters for the Bundle and Port Description fields has been increased from 32 to 64.

Transit Traffic Prohibited with Multiple Ethernet Interfaces

Transit traffic is prohibited when multiple Ethernet interfaces are configured on CTPView. This functionality is available using the CLI menu through the Main Menu/Security Profile/Set Management Port Forwarding option.

Support for Second CTP NTP Server

A second NTP server is now supported.

Support for Second CTP Syslog Server

A second Syslog server is now supported.

Configuring IP Access Filtering

A script has now been added in `syscft` that enables you to configure an IP access limitation that allows only specified IP addresses access to the system.

New Hardware

This section describes hardware new to this release.

FXO Interface Module for the CTP 2000-series Systems

The second of Juniper Networks Voice Modules for the CTP 2000-series chassis provides twelve ports of 2-wire, Foreign eXchange Office interface circuits used to extend POTS service. This module is designed for use with the CTP 2000 Voice Compression Module.

FXS Interface Module for the CTP 2000-series Systems

The third of Juniper Networks Voice Modules for the CTP 2000-series chassis provides 24 ports of 2-wire, Foreign eXchange Subscriber interface circuits used to extend POTS service. Loop start and ground start is supported. This module is designed for use with the CTP 2000 Voice Compression Module.

Known Issues

This section describes known issues in this release.



NOTE: The introduction of FXO and FXS interface modules for the CTP 2000-series systems requires the installation of both a front and rear module in tandem. Please note slot locations to ensure that the mating front and rear cards are installed in the appropriate slots.

VComp Bundles

- When using MELP and G.728 compression algorithms for a VComp bundle, the maximum number of supported channels per bundle is 17.
- Although the range of CID values is 0-249, CID 0 is not valid for VComp bundles.

CE/PBS/Aggregator Mode

- Use of aggregator mode requires a dedicated physical Ethernet port for VLAN-to-serial translation. You must use a separate physical interface to carry CE, PBS, and Management traffic.

Bugs Fixed

No bugs were fixed since the last release.

