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Juniper Networks® CTPOS Release 9.1R6-3 Software

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RELEASE

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About This Guide

This release notes accompany Release 9.1R6-3 of the CTPOS software. They describe device documentation and known problems with the software.

You can also find these release notes on the Juniper Networks CTP software documentation webpage, which is located at CTP Series Release Notes.

Release Highlights

Starting in CTPOS 9.1R6-3:

1. You can see CTP2000 chassis serial number when you do a system query.

2. You can configure 4WEM signaling.

Upgrade Information

You can upgrade to CTPOS 9.1R6-3 from CTPOS 7.3R7/R8, 9.0R1, or 9,1R1/R2 through a two step upgrade process.

If you are upgrading a CTP2000 or a CTP151 platform to CTPOS 9.1R6-3, you must first upgrade to CTPOS 9.1R3-4, and then upgrade to CTPOS 9.1R6-3.

Here are the possible upgrade paths:

Table 1: CTPOS Upgrade Path

Model / Platform	Existing CTPOS Version	Version Path
CTP2000	7.3R7/R8	7.3R7/R8 > 9.1R3-4 > 9.1R6-3
CTP2000	9.0R1	9.0R1 > 9.1R3-4 > 9.1R6-3
CTP151	9.1R1/R2	9.1R1/R2 > 9.1R3-4 > 9.1R6-3

> **NOTE**: CTPOS 9.1R3-4 is required to dual image your compact flash or SSD.

There are two ways through which you can upgrade to 9.1R6-3:

1. Using CTPView 9.1R6

2. Manually upgrading via the CTP CLI

- To upgrade from CTPView procedure, copy `ctp_complete_9.1R6-3_240823.tgz` in **/ctp** of CTPView 9.1R6 and run `upgrade` from CTPView.

- To manually upgrade to CTPOS 9.1R6-3 image, place the `acorn_310_9.1R6-3_240820.tgz` package in **/tmp** folder of the CTP node and run **upgrade y** command.

  Example:
  ```
  [root@ctp_143:/home/ctp_cmd 2]# cd /tmp
  [root@ctp_143:/tmp 3]# ls
  acorn_310_9.1R6-3_240820.tgz
  [root@ctp_143:/tmp 4]# upgrade y
  CTP system software upgrade utility - Version 1.5.0
  Found kernel version 3.14.39ltsi-WR7.0.0.27_standard, setting KVER to 310

  Checking for active menu sessions
  Found USB storage device... Mounting
  System version is 310
  Here is a list of all the found compatible CTP code archive files:
  /tmp/ acorn_310_9.1R6-3_240820.tgz
  .
  .
  .
  ```

> **NOTE**: If FPGA version on card is mismatched then SCP the FPGA acorn package *acorn_310_240514_fpga_150_s2c_t24_S04_T05_2000_s1f_t32_S05_T0A.tgz* in **/tmp** folder of CTP node and run *upgrade y* command. You must upgrade, one by one, those cards that show as mismatch. After successful FPGA upgrade, reboot the CTP node.

Resolved Issues in CTPOS Release 9.1R6-3

The following issues have been resolved in CTPOS Release 9.1R6-3.

- Need to add CTP2000 chassis serial number to system query.[PR 1791252]

- 4WEM signaling is not configurable - need a Hotfix. [PR 1818616]

Known Issues in CTPOS Release 9.1R6-3

The following PRs are known issues in CTPOS Release 9.1R6-3.

- Analog voice cards are not detected on PPF84 (Gen4) after reboot. [PR 1723366]

- Unidirectional and Bi-directional remote CTP IPv6 bundle is not working on CTP151. [PR 1612155]

- L2Aggregator functionality is not working on CTP2000 card (CTP2000-IM-8P-MS-B). [PR 1781032]

- Provide support of CESoPSN Bundles over IPv6 only protocol and IPv4 and IPv6 protocol on CTP nodes. [PR 1290128]

- Remote and hairpin CTP IPv6 bundle is not working on MS-4WTO port. [PR 1618593]

- PBS functionality is not working on CTP2000 Series card (CTP2000-IM-8P-B). [PR 1781033]

- CTPOS version must be accurate regardless of the display methods (Grub, cli menu, cmd -v, etc) [PR 1881491]

  CTPs that are upgraded from 9.1R3-x to 9.1R6-x show the wrong version (9.1R3 is displayed instead of 9.1R6-x) when checking the cli menu under *7) Dual Image Boot Operations* or at boot time in the grub loader screen. The correct version can be found under *node summary* in the cli menu or by typing *cmd -v* in the shell.

Required Install or Upgrade files

Following files are provided for upgrading the CTPOS software:

Table 2:

File	Filename	MD5 Checksum
CTPOS complete package	ctp_complete_9.1R6-3_240823.tgz	ccd2f7d374c137b1178cc4b7bbf4d3be
CTPOS acorn package	acorn_310_9.1R6-3_240820.tgz	d47d5ed8e82c9e2ad9625d404dd8002b
FPGA package	acorn_310_240514_fpga_150_s2c_t24_S04_T05_2000_s1f_t32_S05_T0A.tgz	**f24105b3329234c9b2b0a42b44cd785c**

Known Limitations in CTPOS Release 9.1R6-3

- None.

Revision History

July 2025—Revision 2—CTPOS Release 9.1R6-3.

Added PR 1881491 in Known Issues section

August 2024—Revision 1—CTPOS Release 9.1R6-3.