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Juniper Networks® CTPOS Release 9.1R5-1 Software

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RELEASE

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About This Guide

This release notes accompany Release 9.1R5-1 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

The following features and enhancements have been added to CTPOS Release 9.1R5-1.

- Enhancements to 9.1 branch to maintain FIPS 140-2 compliance. [PR 1580059]

- Add support for redesigned Serial/T1E1/Clock CTP modules as part of CTP151. [PR 1682233]

- Need to add Support for FPGA programming for new Serial/T1E1 card - CTP151. [PR 1708024]

- Add calibration procedure for CTP151 [PR 1701074]

> **NOTE**:
> - CTPOS 9.1R5-1 is a CTP151-only release.
> - CTPOS 9.1R5-1 must be manually installed.
> - You cannot use CTPView to perform the upgrade from 9.1Rx to 9.1R5-1. However, you can manually upgrade from CTPOS 9.1Rx to 9.1R5-1 using CTPOS CLI.
> - CTPOS 9.1R5-1 is not an upgrade release for the CTP2000 platforms.

Upgrade Information

You can upgrade to CTPOS 9.1R5-1 from older releases (9.1R1, 9.1R2.1, or 9.1R3.1) by using USB image or manual upgrade procedure.

- To upgrade from USB image, see *Installing Dual Image on CTP151 from USB in* Upgrading to Dual Image

> **NOTE**: When you are installing dual image from USB, first uncompress *ctpos_usb_install_9.1R5-1_ctp151_240522.img.gz* file using *gunzip* tool on your server, and use the *ctpos_usb_install_9.1R5-1_ctp151_240522.img*.

- To manually upgrade to CTPOS 9.1R5-1 image, place the `acorn_310_9.1R5-1_240522.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_9.1R5-1_240522.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_9.1R5-1_240522.tgz
    .
    .
    .
    ```

> **NOTE**: If FPGA version on card is mismatched then place the FPGA acorn package *acorn_310_240522_fpga_150_s2c_t24_S04_T05_2000_s1f_t32_S02_T02.tgz* in **/tmp** folder of CTP node and run *upgrade y* command. If both cards are showing as mismatch then you need to upgrade twice. After successful FPGA upgrade, reboot the CTP node.

Resolved Issues in CTPOS Release 9.1R5-1

The following issues have been resolved in CTPOS Release 9.1R5-1.

- Upgrade fails on CTP150/151 with single line card. [PR 1638692]

- Upgrading CTP_151 to 9.1R3.1 from CTPView fails to boot after upgrade. [PR 1678514]

- UserID permission changes when CTP is upgraded to 9.1R3. [PR 1726700]

- CTP151 can read serial # from command menu>4>6. [PR 1719891]

- SERL/T1E1 IMs SN not detected in 'sc' command. [PR 1722525]

- Always IM Card temp is reading as 0C. [PR 1722528]

- On bootup System waiting for gluon/Bacardi cards and trying to load FPGA of the cards. [PR 1722895]

- Card 0 Description is reading as Unknown. [PR 1729920]

- CPU Serial No printing on menu- CHASSIS INFORMATION. [PR 1731542]

- ssh not working to connect unit. [PR 1737062]

- sshd_config gets overwritten when upgrading to 9.1R4. [PR 1705526]

- Incorrect *Description* field information in `sensors_pwr_fan.pl -s` command. [PR 1756401]

- Password vulnerability after firstboot config CTP local accounts logging allows with 8 characters of password length need to validate full characters in CTPOS. [PR 1802853]

  NOTE: You must logout and login again to your CTP Nodes to change the password of default user accounts.

- FPGA upgrade failed on CTP151 with single line card [PR 1794697]

Known Issues in CTPOS Release 9.1R5-1

- None.

Known Limitations in CTPOS Release 9.1R5-1

- Switch UEFI boot order after USB image install. [PR 1682726]

Revision History

June 2024—Revision 1—CTPOS Release 9.1R5-1