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Juniper NETWORKS 91R5 CTPOS Release Software Instruction Manual

**Juniper Networks® CTPOS Release 9.1R5
Software**

Contents

About This Guide

This release notes accompany Release 9.1R5 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.

- Enhancements to 9.1 branch to maintain FIPS 140-2 compliance. [PR 1580059]
- New interface module and T1E1 cards are introduced for CTP151 devices. [PR 1682233]
- 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 is a CTP151-only release.
- CTPOS 9.1R5 must be manually installed.
- You cannot use CTPView to perform the upgrade from 9.1Rx to 9.1R5. However, you can manually upgrade from CTPOS 9.1Rx to 9.1R5 using CTPOS CLI.
- CTPOS 9.1R5 is not an upgrade release for the CTP2000 platform.

Upgrade Information

You can upgrade to CTPOS 9.1R5 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_ctp151_231017.img.gz file using gunzip tool on your server, and use the ctpos_usb_install_9.1R5_ctp151_231017.img.

- To manually upgrade to CTPOS 9.1R5 image, place the acorn_310_9.1R5_231017.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_231017.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_231017.tgz.
NOTE:

- First untar ctp_complete_9.1R5_231120.tgz using command tar zxvf ctp_complete_9.1R5_231120.tgz and then use acorn_310_9.1R5_231017.tgz to manually upgrade from CTPOS 9.1R5 image.
- If FPGA version on card is mismatched then place the FPGA acorn package acorn_310_230823_fpga_150_s2c_t24_S04_T05_2000_s1f_t32_S01_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

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

- 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]

Known Issues in CTPOS Release 9.1R5

- None.

Known Limitations in CTPOS Release 9.1R5

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

Revision History

November 2023—Revision 1—CTPOS Release 9.1R5.

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RELEASE

Documents / Resources

Juniper NETWORKS 91R5 CTPOS Release Software [pdf] Instruction Manual
91R5 CTPOS Release Software, 91R5, CTPOS Release Software, Release Software, Software

References

- **CTP Series Documentation | Juniper Networks**
- **User Manual**