D9485 R-OOB V02.02.03 Release Note

Introduction

This release note contains information about downloading and installing the latest D9485 V02.02.03 release. It also provides information for hardware/firmware support, limitations, restrictions, and caveats for the D9485 Software.

NOTE:
V02.02.03 is intended to be used only for Remote Out-of-Band (R-OOB) deployments in RPHY and DAA architectures. Legacy D9485 deployments should continue to use V01.02.22.

Software

The following image will be made available via software.cisco.com:
(https://software.cisco.com/download/home/283943800/type/282854366/release/2.2.3)

D9485 V02.02.03: *D9485_REL_4P_2_2_3.bin.signed*

V02.02.03 Functionality Supported

V02.02.03 is primarily a bug fix release only.

D9485 Upgrade Instructions

Steps to upgrade to release V02.02.03:

- Place the new image file, D9485_REL_4P_2_2_3.bin.signed, into the directory you are presently using for tftp. Ensure the permissions match current image file.
- On the EC, make a copy of the current .xml configuration file, and rename the new .xml configuration file to reflect that it is for the new D9485 image. (For example, if your current .xml config file is named "d9485_222.xml", make a copy and rename the copy to "d9485_223.xml".) Ensure permissions match the original .xml file.
- Edit the new .xml configuration file to indicate the new D9485 image file name (as indicated below):

```
<System_Upgrade view="lateboot">
      <TFTP_Server_or_HTTP_Address>172.30.1.1</TFTP_Server_or_HTTP_Address>
      <Upgrade_File>D9485_REL_4P_2_2_3.bin.signed</Upgrade_File>
    <Target_Firmware>ROOB</Target_Firmware>
```

- In the EC UI, update the “Configuration File Name” for the D9485 to the newly edited .xml configuration file.
- Save the D9485's screen at the EC and confirm the changes. After confirmation, select the D9485 and reset.

- After the D9485 downloads and resets, confirm the “System Release” is 2_2_3:

```
** Status -> System Information **

0 Back
     |--------------------|
     | System Type | ROOB |
     |-------------|------|

     |-- System Versions --------------------|
     | Component                | Version     |
     |--------------------------|-------------|
     | Product ID               | D9485-2AC   |
     | Version ID               | V01         |
     | Serial Number            | WAV15471052 |
     | System Release           | 2_2_3       |
     | System Release (Backup)  | 2_2_2       |
     |--------------------------|-------------|

     |-- System Properties -------|
     | Uptime                     |
     |----------------------------|
     | 0 days, 0 hours, 3 minutes |
     |----------------------------|
(s)ort   (f)ilter
```

V02.02.03 Resolved

Bug ID	Headline
CSCvr55486	D9485 R-OOB: RPD is stuck in init(gcp) Symptom: RPD cannot complete sign-on and is stuck in init(gcp). Conditions: Rare condition that occurs intermittently upon initial sign-on or upon reconnect after CIN events. Workaround: Reload RPD.
CSCvr55527	D9485 R-OOB: L2TPv3d memory leak - "0x50010400 - System software out of memory." Symptom: "0x50010400 - System software out of memory." messages observed in D9485 log. Conditions: L2TPv3d memory leak in case of connection errors.

	Workaround: Delete and reload RPD exhibiting connection errors.
CSCvr55496	D9485 R-OOB: Debug dump will not allow the file to be generated or retrieved Symptom: User initiated debug dump will not complete and cannot be downloaded. Conditions: Occurs intermittently during conditions of high CPU utilization. Workaround: Operator can reinitiate the debug dump.
CSCvr55515	D9485 R-OOB: recurring RPD disconnects Symptom: RPD not online with D9485 and recurring RPD disconnects found in the primary core log. Conditions: Occurs intermittently after RPD sign-on, during high CPU utilization. Workaround: Reload RPD.
CSCvo51425	RPD stuck init(gcp) because of D9485 ipv6 TLV is all zero. Symptom: RPD not online with D9485 and recurring RPD disconnects found in the primary core log. Conditions: Occurs intermittently after RPD sign-on, during high CPU utilization. Workaround: Reload RPD.
CSCvq39786	L2TP delete sent to RPD. Symptom: DS OOB flow to RPD is interrupted and L2TP 552 session is not present on RPD. Conditions: After reload of the D9485 (can affect multiple RPDs), and more rarely, during steady-state/runtime (intermittent and can occur on a single RPD after many hours online). The problem is exacerbated by control plane load.

	Workaround: Reboot of RPD, or following procedure will clear this condition: Login to failed RPD. Type enable, then ?shell? Copy shell challenge, paste to Cisco. Cisco provides shell response (copy/paste). Delete the route to the 9485 on the RPD (note, example address used): ip -6 route add blackhole 2001:558:ff40:e27:2eab:a4ff:feff:f414/128 Using a second ssh session, wait until the GCP session with the 9485 is deleted (~2 minutes). Add the route back in (note, example address used): ip -6 route del blackhole 2001:558:ff40:e27:2eab:a4ff:feff:f414/128 Check ?show prov history? to validate return of the GCP session with the D9485 (it may take a minute). Validate l2tp sessions with: show l2tp session.
CSCvq89660	Failure to acquire any RPD connections for ROOB, BootP errors in log. Symptom: No RPDs in the list. BootP failure in the main log. Conditions: Occurs immediately after reset (intermittent). Workaround: Reload the D9485.

V02.02.03 Open Caveats

None.