



Downgrading from Cisco Remote PHY for Cisco 1x2 / Compact Shelf RPD Software 3.1.1

- [Downgrading RPD and cBR-8 Router, page 1](#)
- [Downgrading RPD Only, page 3](#)
- [Downgrading cBR-8 Router Only, page 5](#)

Downgrading RPD and cBR-8 Router

Before You Begin

Before downgrading the system, make sure the following requirements are met:

- All RPDs are online.
- Download two files from the following Cisco.com Software Center URL:
<https://software.cisco.com/download/type.html?mdfid=286283913&flowid=73842>
 - IOS XE Software Version 16.6.2: **cbrsup-universalk9.16.06.02.SPA.bin**
 - RPD V2.1: **RPD-V2.1_20170725011837.itb.rel.sign.SSA** or RPD V2.2: **RPD-V2-2.itb.SSA**
- Console access for both SUPs are required.



Note

For more information about upgrading the cBR-8 router, see https://www.cisco.com/c/en/us/td/docs/cable/cbr/upgrade/guide/b_cbr_upgrade_16_7.html.

Step 1 Copy Cisco IOS-XE Everest 16.6.2 package to bootflash: and stby-bootflash:.

copy <location>/cbrsup-universalk9.16.06.02.SPA.bin bootflash:

copy <location>/cbrsup-universalk9.16.06.02.SPA.bin stby-bootflash:

Step 2 Verify Cisco IOS-XE Everest 16.6.2 package against the md5 hash as provided in the Cisco.com Software center.

```
verify /md5 bootflash:cbrsup-universalk9.16.06.02.SPA.bin
verify /md5 stby-bootflash:cbrsup-universalk9.16.06.02.SPA.bin
```

Step 3 Backup current running config to bootflash:.

```
copy running-config bootflash:pre-upgrade.cfg
```

Step 4 Check system status prior to upgrade. Save the information to compare against the system status after upgrade. For the commands to use to check the status, see the **show** commands at the end of this section.

Step 5 Copy Cisco RPD V2.x image package to TFTP server that RPDs can reach to.

Step 6 Verify current RPD software version.

```
show cable rpd sw-version
```

Step 7 Upgrade all RPDs image to V2.x via SSD from cBR-8.

```
cable rpd all ssd <tftp_server_ip> tftp <rpd_V2.x_file_path>
```

Note **all** command is not suggested in large scale RPD deployment. If customer has too many RPDs, it is recommended to upgrade the RPD per LC or per OUI.

Step 8 Verify RPD SSD status, should be in downloading status.

```
cable rpd all ssd status
```

Step 9 Verify that all RPDs will start downloading new image then drop offline after a while.

```
cable rpd all ssd status
show cable rpd
```

Step 10 Configure the chassis to boot the system with Cisco IOS-XE Everest 16.6.2 image and save running-configuration.

```
Configure terminal
no boot system
boot system bootflash:cbrsup-universalk9.16.06.02.SPA.bin
config-register 0x2102
end
copy running-config startup-config
```

Step 11 Reload and bring up the cBR-8 router.

```
Reload
```

Step 12 Check all RPDs have been upgraded to new version 2.x and come online successfully.

```
show cable rpd
show cable rpd sw-version
```

What to Do Next

These **show** commands may be useful in the verification test:

- **show version**
- **show platform**
- **show platform diag**
- **show environment**
- **show environment power**
- **show platform hardware slot P <0-5> mcu status**
- **show facility-alarm status**
- **show redundancy**
- **show redundancy line card all**
- **show ip ospf neighbor**
- **show cable modem voice**
- **show cable calls**
- **show cable licenses all**
- **show inventory**
- **show log**
- **show cable rpd**
- **show cable modem summary total**
- **show cable rpd lcha**
- **show running**
- **show tech**

Downgrading RPD Only

Before You Begin

Before downgrading the system, make sure the following requirements are met:

- All RPDs are in `init(gcp)` state.
- Download new image file from the following Cisco.com Software Center URL:
<https://software.cisco.com/download/type.html?mdfid=286283913&flowid=73842>
 - RPD V2.1: **RPD-V2.1_20170725011837.itb.rel.sign.SSA** or RPD V2.2: **RPD-V2-2.itb.SSA**



Note For more information about upgrading the cBR-8 router, see https://www.cisco.com/c/en/us/td/docs/cable/cbr/upgrade/guide/b_cbr_upgrade_16_7.html.

Step 1 Copy Cisco RPD V2.x image package to TFTP server that RPDs can reach to.

Step 2 Verify current RPD software version.

```
show cable rpd sw-version
```

Step 3 Downgrade all RPDs image to V2.x via SSD from cBR-8.

```
cable rpd all ssd <tftp_server_ip> tftp <rpd_V2.x_file_path>
```

Note **all** command is not suggested in large scale RPD deployment. If customer has too many RPDs, it is recommended to upgrade the RPD per LC or per OUI.

Step 4 Verify RPD SSD status, should be in downloading status.

```
cable rpd all ssd status
```

Step 5 Verify that all RPDs will start downloading new image then drop offline after a while.

```
cable rpd all ssd status
show cable rpd
```

Step 6 Check all RPDs have been downgraded to version 2.x and come online successfully.

```
show cable rpd
show cable rpd sw-version
```

What to Do Next

These **show** commands may be useful in the verification test:

- **show version**
- **show platform**
- **show platform diag**
- **show environment**
- **show environment power**
- **show platform hardware slot P <0-5> mcu status**
- **show facility-alarm status**
- **show redundancy**

- **show redundancy line card all**
- **show ip ospf neighbor**
- **show cable modem voice**
- **show cable calls**
- **show cable licenses all**
- **show inventory**
- **show log**
- **show cable rpd**
- **show cable modem summary total**
- **show cable rpd lcha**
- **show running**
- **show tech**

Downgrading cBR-8 Router Only

Before You Begin

Before downgrading the system, make sure the following requirements are met:

- All RPDs are in init(gcp) state.
- Download new image file from the following Cisco.com Software Center URL:
<https://software.cisco.com/download/type.html?mdfid=286283913&flowid=73842>
 - IOS XE Software Version 16.6.2: **cbrsup-universalk9.16.06.02.SPA.bin**
- Console access for both SUPs are required.



Note For more information about upgrading the cBR-8 router, see https://www.cisco.com/c/en/us/td/docs/cable/cbr/upgrade/guide/b_cbr_upgrade_16_7.html.

Step 1 Copy Cisco IOS XE Everest 16.6.2 package to bootflash: and stby-bootflash:.

```
copy <location>/cbrsup-universalk9.16.06.02.SPA.bin bootflash:  
copy <location>/cbrsup-universalk9.16.06.02.SPA.bin stby-bootflash:
```

Step 2 Verify Cisco IOS XE Everest 16.6.2 package against the md5 hash as provided in the Cisco.com Software center.

```
verify /md5 bootflash:cbrsup-universalk9.16.06.02.SPA.bin
```

```
verify /md5 stby-bootflash:cbrsup-universalk9.16.06.02.SPA.bin
```

Step 3 Backup current running config to bootflash:

```
copy running-config bootflash:pre-upgrade.cfg
```

Step 4 Check system status prior to downgrade. Save the information to compare against the system status after upgrade. For the commands to use to check the status, see the **show** commands at the end of this section.

Step 5 Configure the chassis to boot the system with Cisco IOS XE Everest 16.6.2 image and save running-configuration.

```
Configure terminal
no boot system
boot system bootflash:cbrsup-universalk9.16.06.02.SPA.bin
config-register 0x2102
end
copy running-config startup-config
```

Step 6 Reload and bring up the cBR-8 router.

```
Reload
```

Step 7 Check all RPDs are online successfully with version 2.x.

```
show cable rpd
show cable rpd sw-version
```

What to Do Next

These **show** commands may be useful in the verification test:

- **show version**
- **show platform**
- **show platform diag**
- **show environment**
- **show environment power**
- **show platform hardware slot P <0-5> mcu status**
- **show facility-alarm status**
- **show redundancy**
- **show redundancy line card all**
- **show ip ospf neighbor**
- **show cable modem voice**
- **show cable calls**
- **show cable licenses all**

- **show inventory**
- **show log**
- **show cable rpd**
- **show cable modem summary total**
- **show cable rpd lcha**
- **show running**
- **show tech**

