



Bootrom Update on OmniSwitch 6600, 7000 & 8800 series when upgrading to 5.1.4.R01

This eFlash is meant to accompany the 5.1.4.R01 Release Notes document and give more details and clarifications regarding the section entitled "**Miniboot and BootROM Requirements**"; this eFlash will provide useful practical information but it is important that you carefully read the user manuals as well as all sections of the 5.1.4.R01 Release Notes.

Miniboot and BootROM Requirements

OmniSwitch 7700/7800/8800

- Miniboot: **5.1.1.200**
- BootROM: **5.1.4.67.R01**

OmniSwitch 6624/6648

- Miniboot: **5.1.2.2.R01**
- BootROM: **5.1.4.128.R01**

Previous version of software had different BootROM requirements:

- In version 5.1.1.R0X and 5.1.3.R01 for **OS7000** (Miniboot: **5.1.1.200**, BootROM: **5.1.1.200**).
- In version 5.1.2.R0X for **OS6600** (Miniboot: **5.1.2.2.R01**, BootROM: **5.1.2.2.R01**).
- In version 5.1.3.R02 for **OS8800** (Miniboot: **5.1.1.200**, BootROM: **5.1.1.200**).

Alcatel eND's Customer Support recommendation is to update the BootROM (and eventually the Miniboot) to match the 5.1.4.R01 Release Notes requirements.

However, Alcatel eND's Customer Support understands that BootROM and/or Miniboot updates are not easy to perform or schedule on a live operational network (especially if a many switches have already been installed) and this document will give you as much information as possible regarding what has been fixed in the latest BootROM version so you can decide to update or not.

If you have any questions regarding this eFlash, please contact the Alcatel eND Customer Service & Support department.

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Miniboot requirements:

Note that it is **mandatory** to have a **5.1.1.200 Miniboot** for **7700, 7800 and 8800** series and a **5.1.2.2.R01 Miniboot** for **6624 and 6648** series.

Any other version of Miniboot is NOT supported.

If your switch is not running this required Miniboot version please use the “**Software Upgrade, Bootrom and Miniboot update procedure for OmniSwitch 6600, 7000 & 8800 series**” document to perform the upgrade and/or contact Alcatel eND Customer Support.

BootROM requirements:

The BootROM is only involved during the boot process of the switch, it is responsible for configuring the CMM hardware so that the *VxWorks* © operating system can be booted. When the early phase of the boot process is completed, the AOS© software will only interact with the Miniboot.

That means that if for **some valid reasons** the **Bootrom cannot be updated** to the recommended version (too many switches to update or switches in a remote location so the console port is not accessible, or the switches are in a stacked configuration), this may affect the switch only during the boot process.

If you do not experience any issues during the boot phase (cold/warm reboot, takeover, failover with smart continuous switching), there will be no difference for the AOS Software as long as the Miniboot is on the correct version. *Alcatel will still support you.*

Note that Alcatel eND Customer Support **still recommends upgrading the BootROM to 5.1.4.67.R01 (OS7000 & OS8800) or 5.1.4.128.R01 (OS6600)**, but we will support configurations using **5.1.1.200 (OS7000 & OS8800) or 5.1.2.2.R01 (OS6600)** while running **5.1.4.R01** version of software.

For your information, here are some details on what has been fixed in the different versions of BootROM:

5.1.4.67.R01 BootROM: Some SPARC processors may run into an issue during boot up phase with the start-up type mode. This was rarely seen, on few CMMs and the BootROM has been modified in order to workaround this SPARC processor boot up issue.

5.1.4.128.R01 BootROM: With version 5.1.2.2.R01 BootROM, irrespective of whether the “Interrupt Boot” Jumper is ON/OFF, the countdown sequence will be seen at boot up. **This could be seen as a security drawback**, as someone with physical access to the switch (i.e. console port) could reboot the switch; enter the Miniboot and alter the configuration of the switch.

With 5.1.4.128.R01 BootROM,

- When “Interrupt Boot” jumper is ON/Enabled - you will see the countdown sequence at boot up time to allow you to break into Miniboot.

- When “Interrupt Boot” jumper is OFF/Disabled - NO countdown sequence will be proposed at boot up time.