



Release Notes for Catalyst 6000 Family Module ROMMON Release 6.3(1)

Current Release: 6.3(1)—July 31, 2001

ROMMON release 6.3(1) is supported on Catalyst 6000 family modules installed in systems using Supervisor Engine 2.

The Supervisor Engine 2 houses two separate CPUs. One CPU applies to the supervisor engine and the other applies to the modules. ROMMON release 6.3(1) applies to the CPU that is housed on the Catalyst 6000 family modules and to the CPU housed on the Supervisor Engine 2 that applies to the modules.

This publication provides the procedure for downloading the new ROMMON image from Cisco.com and upgrading the ROMMON on your Catalyst 6000 family modules.



Upgrading the ROMMON on a Catalyst 6000 family module requires supervisor engine software release 6.3(1) or later. Earlier supervisor engine software releases do not support this method of upgrading the ROMMON version on a Catalyst 6000 module.

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ROMMON Images

Table 1 lists the versions for the Catalyst 6000 family module ROMMON images.

Table 1 Upgradeable ROMMON Images

Module ROMMON Software Version	Filename
6.3(1) Upgradeable module ROMMON image	cat6000-CPBOOT.6-3-1.ubin

Upgrading the Catalyst 6000 Family Module ROMMON

To upgrade the ROMMON version on your Catalyst 6000 family module, perform these steps:

- Step 1** Check the current ROMMON version by entering a **show version** command. In this example the ROMMON version for the module in slot 8 will be upgraded:

```

Console> (enable) show version
WS-C6509 Software, Version NmpSW:7.1(0.12-Eng) TAM
Copyright (c) 1995-2001 by Cisco Systems
NMP S/W compiled on Jul 26 2001, 16:00:45
System Bootstrap Version:6.1(2)
Hardware Version:1.0 Model:WS-C6509 Serial #:SCA032500X1
PS1 Module:WS-CAC-1300W Serial #:ACP03240218
Mod Port Model Serial # Versions
-----
2 2 WS-X6K-SUP2-2GE SAD044409SD Hw :1.1
Fw :6.1(2)
Fw1:6.3(1)
Sw :7.1(0.12-Eng) TAM
Sw1:7.1(0.12) TAM
5 16 WS-F6K-PFC2 SAD044302JM Hw :1.0
WS-X6316-GE-TX JAB040804WB Hw :0.201
Fw :5.3(1)
Sw :7.1(0.12) TAM
6 0 ws-c6500-sfm sad040600uf Hw :0.111
Fw :6.1(0.133) ORL
Sw :7.1(0.9) FW4
8 16 WS-X6516-GE-TX SAD044706E8 Hw :0.102
Fw :6.1(2)
Sw :7.1(0.9-Eng) TAM
9 48 WS-X6248-RJ-45 SAD03040219 Hw :0.406
Fw :5.1(1) CSX
Sw :7.1(0.12) TAM
16 1 WS-F6K-MSFC2 SAD04430J22 Hw :1.1
Fw :12.1(3a) E4
Sw :12.1(3a) E4

          DRAM          FLASH          NVRAM
Module Total Used Free Total Used Free Total Used Free
-----
2 130944K 64030K 66914K 16384K 9976K 6408K 512K 112K 400K
Uptime is 6 days, 2 hours, 38 minutes
Console> (enable)

```

Step 2 Download the new ROMMON image from the TFTP server:

```

Console> (enable) copy tftp bootflash:
IP address or name of remote host []? 10.7.1.9
Name of file to copy from []? /users/image/cat6000-CPBOOT.6-3-1.ubin

3464060 bytes available on device bootflash, proceed (y/n) [n]? y
CCC
File has been copied successfully.
    
```

Step 3 Download the ROMMON image to the module you want to upgrade:

```

Console> (enable) download bootflash:cat6000-CPBOOT.6-3-1.ubin 8 boot
Warning!! This command replaces the existing boot code on Module 8.
Please verify with TAC that the file specified is appropriate for WS-X6516-GE-TX.
Use this command with caution.
Do you want to continue (y/n) [n]? y
Download boot image start...
Download boot code completed.
Console> (enable) 2001 Jul 25 14:55:47 %SYS-5-MOD_OK:Module 8 is online
2001 Jul 25 14:55:48 %SYS-3-MOD_PORTINTFINSYNC:Port Interface in sync for Module 8
    
```

Step 4 Enter the **show version** command to verify the new ROMMON version for the module in slot 8:

```

Console> (enable) show version
WS-C6509 Software, Version NmpSW:7.1(0.12-Eng)TAM
Copyright (c) 1995-2001 by Cisco Systems
NMP S/W compiled on Jul 26 2001, 16:00:45
System Bootstrap Version:6.1(2)
Hardware Version:1.0 Model:WS-C6509 Serial #:SCA032500X1
PS1 Module:WS-CAC-1300W Serial #:ACP03240218
Mod Port Model Serial # Versions
-----
2 2 WS-X6K-SUP2-2GE SAD044409SD Hw :1.1
Fw :6.1(2)
Fw1:6.3(1)
Sw :7.1(0.12-Eng)TAM
Sw1:7.1(0.12)TAM
5 16 WS-F6K-PFC2 SAD044302JM Hw :1.0
WS-X6316-GE-TX JAB040804WB Hw :0.201
Fw :5.3(1)
Sw :7.1(0.12)TAM
6 0 ws-c6500-sfm sad040600uf Hw :0.111
Fw :6.1(0.133)ORL
Sw :7.1(0.9)FW4
8 16 WS-X6516-GE-TX SAD044706E8 Hw :0.102
Fw :6.3(1)
Sw :7.1(0.9-Eng)TAM
9 48 WS-X6248-RJ-45 SAD03040219 Hw :0.406
Fw :5.1(1)CSX
Sw :7.1(0.12)TAM
16 1 WS-F6K-MSFC2 SAD04430J22 Hw :1.1
Fw :12.1(3a)E4
Sw :12.1(3a)E4

DRAM FLASH NVRAM
Module Total Used Free Total Used Free Total Used Free
-----
2 130944K 64030K 66914K 16384K 9976K 6408K 512K 112K 400K
Uptime is 6 days, 2 hours, 38 minutes
Console> (enable)
    
```

Additional Documentation

The following documents are available for the Catalyst 6000 family switches:

- *Catalyst 6000 Family Quick Software Configuration*
- *Catalyst 6000 Family Installation Guide*
- *Catalyst 6000 Family Module Installation Guide*
- *Catalyst 6000 Family Software Configuration Guide*
- *Catalyst 6000 Family Command Reference*
- *System Message Guide—Catalyst 6000 Family, 5000 Family, 4000 Family, 2926G Series, 2948G, and 2980G Switches*
- *ATM Configuration Guide and Command Reference*

Obtaining Documentation

The following sections provide sources for obtaining documentation from Cisco Systems.

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following sites:

- <http://www.cisco.com>
- <http://www-china.cisco.com>
- <http://www-europe.cisco.com>

Documentation CD-ROM

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or as an annual subscription.

Ordering Documentation

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- Registered Cisco Direct Customers can order Cisco Product documentation from the Networking Products MarketPlace:
http://www.cisco.com/cgi-bin/order/order_root.pl
- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:
<http://www.cisco.com/go/subscription>
- Nonregistered CCO users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, in North America, by calling 800 553-NETS(6387).

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To submit your comments by mail, for your convenience many documents contain a response card behind the front cover. Otherwise, you can mail your comments to the following address:

Cisco Systems, Inc.
Document Resource Connection
170 West Tasman Drive
San Jose, CA 95134-9883

We appreciate your comments.

Obtaining Technical Assistance

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Cisco.com

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To access Cisco.com, go to the following website:

<http://www.cisco.com>

Technical Assistance Center

The Cisco TAC website is available to all customers who need technical assistance with a Cisco product or technology that is under warranty or covered by a maintenance contract.

Contacting TAC by Using the Cisco TAC Website

If you have a priority level 3 (P3) or priority level 4 (P4) problem, contact TAC by going to the TAC website:

<http://www.cisco.com/tac>

P3 and P4 level problems are defined as follows:

- P3—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.
- P4—You need information or assistance on Cisco product capabilities, product installation, or basic product configuration.

In each of the above cases, use the Cisco TAC website to quickly find answers to your questions.

To register for Cisco.com, go to the following website:

<http://www.cisco.com/register/>

If you cannot resolve your technical issue by using the TAC online resources, Cisco.com registered users can open a case online by using the TAC Case Open tool at the following website:

<http://www.cisco.com/tac/caseopen>

Contacting TAC by Telephone

If you have a priority level 1 (P1) or priority level 2 (P2) problem, contact TAC by telephone and immediately open a case. To obtain a directory of toll-free numbers for your country, go to the following website:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

P1 and P2 level problems are defined as follows:

- P1—Your production network is down, causing a critical impact to business operations if service is not restored quickly. No workaround is available.
- P2—Your production network is severely degraded, affecting significant aspects of your business operations. No workaround is available.

This document is to be used in conjunction with the *Catalyst 6000 Family Software Configuration Guide* and the *Catalyst 6000 Family Command Reference* publications.

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