



Release Notes for Catalyst 6500 Series Switch and Cisco 7600 Series Internet Router FlexWAN and OSM ROMMON Software

Current Release: 12.1(5r)E—May 19, 2003

This publication describes how to upgrade the ROMMON on your Catalyst 6500 series switch or Cisco 7600 series Internet Router FlexWAN (WS-X6182-2PA) or Optical Services Module (OSM).



You should consider the 12.1(5r)E ROMMON software upgrade if you need the bug fix documented in the [“Caveats” section on page 2](#).

With this procedure, you can upgrade the ROMMON image similar to the way that you upgrade the Cisco IOS.

ROMMON software release 12.1(5r)E is supported in Catalyst 6500 series switches and Cisco 7600 series Internet Router systems that are running Cisco IOS software on the Supervisor Engine 2 and on the MSFC2.

Contents

This publication consists of these sections:

- [Software Images, page 2](#)
- [New and Changed Information, page 2](#)
- [Caveats, page 2](#)
- [Upgrading the ROMMON, page 2](#)
- [Additional Documentation, page 4](#)

Software Images

[Table 1](#) lists the software releases for the FlexWAN and OSM ROMMON software.

Table 1 Upgradable ROMMON Images

ROMMON Software Release	Filename
12.1(5r)E upgradable module ROMMON image	CWAN RM.121-5r.E

New and Changed Information

FlexWAN and OSM ROMMON software Release 12.1(5r)E contains bug fixes; no new feature support is added.

Caveats

The following section contains resolved caveat information.

Resolved Caveats in FlexWAN and OSM ROMMON Software Release 12.1(5r)E

- The FlexWAN fails to come online. This problem is resolved in FlexWAN and OSM ROMMON software release 12.1(5r)E. (CSCdy50995)

Upgrading the ROMMON



Note

Before performing this procedure, you must download the new ROMMON image from Cisco.com. The download procedure is the same as downloading Catalyst software images.

To upgrade the ROMMON version on your FlexWAN or OSM, perform these steps (in this example, the module with the FlexWAN is in slot 4):

Step 1 Check the active ROMMON information:

```
Router# show rom-monitor slot 4
Cisco Internetwork Operating System Software
IOS (tm) MSFC2 Software (C6MSFC2-JSV-M), Version 12.1(12c)E2, EARLY DEPLOYMENT RELEASE
SOFTWARE (fc1)
Copyright (c) 1986-2002 by cisco Systems, Inc.
Compiled Thu 22-Aug-02 17:01 by eaarmas
Image text-base: 0x40008980, data-base: 0x4198E000

ROM: System Bootstrap, Version 12.1(1r)E, RELEASE SOFTWARE (fc1)
Router#
```

Step 2 Program the new ROMMON to the Flash device on the FlexWAN in slot 4:

```
Router# upgrade rom-monitor slot 4 file bootflash:CWAN_RM.121-5r.E
Copying bootflash:CWAN_RM.121-5r.E onto bootflash of slot#4 CCCCCCCCC
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
Router#
```

Step 3 Check the new active ROMMON information:

```
CWTLC-Slot4# test cwlc upgrade rommon bootflash:CWAN_RM.121-5r.E

ROMMON image upgrade in progress
Erasing flash
Programming flash
Verifying new image
ROMMON image upgrade complete, linecard must reset
CWTLC-Slot4#
```

Step 4 Reload the FlexWAN for the change to take effect:

```
Router(config)# no power enable module 4
Router(config)# power enable module 4
Router(config)# end
Router#
<output truncated>
```

Step 5 After the system boots, check the ROMMON information again:

```
Router# show rom-monitor slot 4
Cisco Internetwork Operating System Software
IOS (tm) MSFC2 Software (C6MSFC2-JSV-M), Version 12.1(12c)E2, EARLY DEPLOYMENT RELEASE
SOFTWARE (fc1)
Copyright (c) 1986-2002 by cisco Systems, Inc.
Compiled Thu 22-Aug-02 17:01 by eaarmas
Image text-base: 0x40008980, data-base: 0x4198E000

ROM: System Bootstrap, Version 12.1(5r)E, RELEASE SOFTWARE (fc1)
Router#
```

Additional Documentation

The following documents are available for the Catalyst 6500 series switches and Cisco 7600 series Internet Routers:

- *Catalyst 6500 Series and Cisco 7600 Series Internet Router FlexWAN Module Installation and Configuration Note*
- *Optical Services Modules Installation and Verification Note*
- *Release Notes for Cisco IOS Release 12.1E on the Catalyst 6500 and Cisco 7600 MSFC*
- *Release Notes for Cisco IOS Release 12.1E on the Catalyst 6500 and Cisco 7600 Supervisor Engine and MSFC*

These publications are available for the Catalyst 6500 series switches running Cisco IOS on the supervisor engine and MSFC:

http://www.cisco.com/univercd/cc/td/doc/product/lan/cat6000/12_1e/index.htm

These publications are available for the Cisco 7600 series Internet Router running Cisco IOS software on the supervisor engine and MSFC:

<http://www.cisco.com/univercd/cc/td/doc/product/core/cis7600/index.htm>

These publications are available for the Catalyst 6500 series switches running Catalyst 7.x software on the supervisor engine and Cisco IOS software on the MSFC:

http://www.cisco.com/univercd/cc/td/doc/product/lan/cat6000/sw_7_6/index.htm

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

Cisco and the Cisco Logo are trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and other countries. A listing of Cisco's trademarks can be found at www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1005R)

Copyright © 2003 Cisco Systems, Inc. All rights reserved.