ROMmon Recovery Procedure for the AS5300, AS5350, and the AS5400

Document ID: 15074

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Introduction

This page describes how to recover an AS5300, AS5350 and AS5400 router stuck in ROMmon (`rommon #` or **>** prompt).

Prerequisites

Requirements

To recover a router from ROMmon mode, the router should be physically accessible and should have a terminal connected to the console port.

Components Used

The information in this document is based on the Cisco AS5300 running Cisco IOS® Software Version 12.2(10)b.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Recovery Procedure

Complete these steps:

1. The first thing you need to do is look for a valid image in Flash:. To do this, issue the **dev** command to see which devices and Flash files are available on your router:

```
rommon 1 > dev

   Devices in device table:
```

```
        id  name

  flash:1:  flash partion 1

         File size           Checksum   File name

5827628 bytes (0x58ec2c)   0xcc46    c5300-i-mz.122-10b.bin

bootflash:  boot flash

rommon 2 >
```

2. Try to boot from one of those images.
3. Determine whether or not the file is valid.

- If the file is valid, this brings you back to normal operation mode.

```
rommon 2 > boot flash: c5300-i-mz.122-10b.bin

program load complete, entry point: 0x80008000, size: 0x6dab38

Self decompressing the image : ###################################

########################################################################

########################################...  [OK]



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 cisco Systems, Inc.

 170 West Tasman Drive
 San Jose, California 95134-1706
.
.
.

!--- Output suppressed

.
.
.

Press RETURN to get started !

!--- Press Enter


AS5300>
```

- If none of the files are valid, you need to download a new Cisco IOS software image using one of the following procedures:

  - Download Using the Boot Image and a Trivial File Transfer Protocol (TFTP) Server

    See How to Upgrade from ROMmon Using TFTP with Boot Image for detailed instructions.

◊ Download Using Xmodem from ROMmon

See Xmodem Console Download Procedure Using ROMmon for the step−by−step procedure.

Verify

To verify whether the correct image is loaded, use the **show version** command:

```
AS5300#show version
Cisco Internetwork Operating System Software
IOS (tm) 5300 Software (C5300−I−M), Version 12.2(10b), RELEASE SOFTWARE (fc1)
Copyright (c) 1986−2002 by cisco Systems, Inc.
Compiled Thu 11−Jul−02 15:43 by pwade
Image text−base: 0x60008938, data−base: 0x608FE000
ROM: System Bootstrap, Version 12.0(2)XD1, EARLY DEPLOYMENT RELEASE SOFTWARE (fc1)
AS5300 uptime is 0 minutes

System returned to ROM by reload at 00:12:33 UTC Sat Jan 1 2000

System image file is "flash:c5300−i−mz.122−10b.bin"


!−−− Output suppressed


AS5300#
```

The above **show version** command output shows that the router has loaded the Cisco IOS software image c5300−i−mz.122−10b.bin.

Related Information

- **Access Servers/Universal Gateways Support Page**
- **Technical Support − Cisco Systems**

Updated: Jan 29, 2006 Document ID: 15074