

# ROMmon Recovery for the Cisco 1700 Series Router

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## Introduction

This document describes how to recover a Cisco 1700 series router stuck in ROM monitor (ROMmon) (rommon# > prompt).

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

The information in this document is based on this hardware version:

- Cisco 1700 Series Routers

The information presented in this document was created from devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If you are working in a live network, ensure that you understand the potential impact of any command before using it.

### Conventions

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

## Find a Valid Image in Flash

The first thing you need to do is issue the **dir flash:** command for each available device, and look for a valid Cisco IOS® Software image.

```
rommon 3 > dir flash:
      File size      Checksum  File name
  3307884 bytes (0x804b4c)  0x6ba0  c1700-ny-mz.121-6.bin
rommon 4 >
```

Try to boot from that image. If the image is valid, this brings you back to normal operation mode:

```
rommon 5 >
boot flash:c1700-ny-mz.121-6.bin
program load complete, entry point: 0x80008000, size: 0x804a30
Self decompressing the image : #####
#####...
```

If none of the files are valid, you have to download a new IOS with one of the procedures explained in the next two sections.

**Note:** If you do not have a backup of the Cisco IOS image for your Cisco 1700 series router, you have to download the Cisco IOS image from the Software Advisor (registered customers only) or the Download Software area tool to your PC or workstation running the TFTP Server application.

## Download Using TFTP from ROMmon

The quickest way to re-install a new Cisco IOS Software image on the router is to go to the "TFTP Download Command Variables" section of the ROM Monitor documentation.

## Download Using X-modem from ROMmon

You can also download a new Cisco IOS Software image through the console port using Xmodem. To do so, go to Xmodem Console Download Procedure Using ROMmon.

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## Related Information

- [The "Disaster Recovery with TFTP Download" section of the ROM Monitor documentation](#)
- [Xmodem Console Download Procedure Using ROMmon](#)
- [Cisco 1700 Series Access Router Product Support Page](#)
- [Technical Support – Cisco Systems](#)

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