

# 复制和装载微码方法点对多点系统的

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## 简介

本文展示了适当地复制和加载点对多点(P2MP)系统微码的步骤。记录下来此微码的默认位置，以便如果被放置在别处，您能适当地加载它。

## 先决条件

### 要求

Cisco 建议您了解以下主题：

- 无线网络
- 命令行用法

保证您得以进入在您要检查的路由器的privileged EXEC (“启用”)。

### 使用的组件

本文档中的信息基于以下软件和硬件版本：

- uBR7223、uBR7246和uBR7246VXR产品
- 支持固定无线单点对多点的任何Cisco IOS版本软件

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

### 规则

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

## 程序

这是复制和装载微码的程序的演示。为了执行此程序，您一定赋予了特权(或“启用”)对路由器的访问

o

```
HEADEND#show microcode
```

```
Microcode images for downloadable hardware
```

```
HW Type      Microcode image names
```

```
-----
```

```
cwrhe default    slot0:/rhe02-05
```

```
!--- Note the default location cwrhu default flash:/rsu02-05 !--- Note the default location
```

```
HEADEND#dir slot0:
```

```
Directory of slot0:/
```

```
No files in directory
```

```
20578304 bytes total (20578304 bytes free)
```

```
HEADEND#copy tftp slot0:
```

```
Address or name of remote host [171.68.191.135]?
```

```
Source filename [rhe03-00.bin]?
```

```
Destination filename [rhe03-00.bin]? rhe03-00
```

```
Accessing tftp://171.68.191.135/rhe03-00.bin...
```

```
Loading rhe03-00.bin from 171.68.191.135 (via FastEthernet0/0): !!!
```

```
Expanding slot1:rhe03-00/fir.001 (766041
```

```
bytes):
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

```
!!!!!!!!!!!!!!!!!!!!CCCCCCCCCCCCCCCCCCCCCCCC
```

```
Expanding slot1:rhe03-00/crx.001 (219045
```

```
bytes):
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!CCCCCC
```

```
Expanding slot1:rhe03-00/ctx.001 (219052
```

```
bytes):
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

```
!!!!!!!!!!!!!!!!!!!!CCCCCC
```

```
Expanding slot1:rhe03-00/txdsp.001 (318334
```

```
bytes):
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!CCCCCCCC
```

```
Expanding slot1:rhe03-00/rxdsp.001 (167064
```

```
bytes):
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!CCCCC
```

```
Expanding slot1:rhe03-00/dsprx.000 (262240
```

```
bytes):
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!CCCCCCCC
```

```
Expanding slot1:rhe03-00/pic-idu.000 (12868 bytes): !!!!
```

```
[OK - 1971200/3942400 bytes]
```

```
1971200 bytes copied in 2234.512 secs (882 bytes/sec)
```

```
HEADEND#sh slot0:
```

```
-#- ED --type-- --crc--- -seek-- nlen -length- ----date/time----- name
```

```
1 .. unknown61000000 20084 8 1 Feb 12 2001 17:03:09
```

```
rhe03-00
```

```
2 .. unknown57C14CB9 DB160 16766041 Feb 12 2001 17:03:09
```

```
rhe03-00/fir.001
3 .. unknown74E959EE 110988 16219045 Feb 12 2001 17:18:58
rhe03-00/crx.001
4 .. unknownD59E0290 1461B4 16219052 Feb 12 2001 17:22:11
rhe03-00/ctx.001
5 .. unknown705F8AF2 193DB4 18318334 Feb 12 2001 17:26:42
rhe03-00/txdsp.001
6 .. unknown5E530E71 1BCACC 18167064 Feb 12 2001 17:32:39
rhe03-00/rxdsp.001
7 .. unknownA36CE2D4 1FCBAC 18262240 Feb 12 2001 17:35:56
rhe03-00/dsprx.000
8 .. unknownE0C4F73B 1FFE70 20 12868 Feb 12 2001 17:40:07
rhe03-00/pic-idu.000
18612624 bytes available (1965680 bytes used)
```

#### HEADEND#dir slot0:

Directory of slot0:/

```
1 -rw- 1 Feb 12 2001 17:03:09 rhe03-00
2 -rw- 766041 Feb 12 2001 17:03:09 rhe03-00/fir.001
3 -rw- 219045 Feb 12 2001 17:18:58 rhe03-00/crx.001
4 -rw- 219052 Feb 12 2001 17:22:11 rhe03-00/ctx.001
5 -rw- 318334 Feb 12 2001 17:26:42 rhe03-00/txdsp.001
6 -rw- 167064 Feb 12 2001 17:32:39 rhe03-00/rxdsp.001
7 -rw- 262240 Feb 12 2001 17:35:56 rhe03-00/dsprx.000
8 -rw- 12868 Feb 12 2001 17:40:07 rhe03-00/pic-idu.000
20578304 bytes total (18612624 bytes free)
```

## [相关信息](#)

- [无线产品支持页面](#)
- [无线技术支持页](#)
- [技术支持和文档 - Cisco Systems](#)