

使用Xmodem恢复IOS方法 PDF转换可能丢失图片或格式，建议阅读原文

https://www.100test.com/kao_ti2020/237/2021_2022__E4_BD_BF_E7_94_A8Xmod_c101_237149.htm

如果你不小心使用了命令erase flash 那么发生什么就可想而知了。因此，建议在你拿到路由器等网络设备时 最好先将它的IOS等操作系统备份出来，以备万一！本篇主要介绍通过Xmodem上传IOS的过程（以Cisco 2610为例，不过这个方法用在其他设备上没什么太大区别）准备工作，只要有Cisco原配的线缆就可以（注

：Xmodem与实际的modem没有任何联系 只是一个传输协议 数据是通过终端的串口和路由器的Console口灌进去的）在没有IOS的情况下 系统只能进入Rommon状态，在这个状态下只能见到如下命令：

```
rommon 8 > ?alias set and display aliases
commandboot boot up an external processbreak set/show/clear the
breakpointconfreg configuration register utilitycont continue
executing a downloaded imagecontext display the context of a
loaded imagecookie display contents of cookie PROM in hexdev list
the device tabledir list files in file systemdis display instruction
streamdnld serial download a program moduleframe print out a
0selected stack framehelp monitor builtin command helphistory
monitor command historymeminfo main memory
informationrepeat repeat a monitor commandreset system resetset
display the monitor variablesstack produce a stack tracesync write
monitor environment to NVRAMsysret print out info from last
system returntftpdnld tftp image downloadunalias unset an aliasunset
unset a monitor variablexmodem x/ymodem image download在这
```

个模式下，输入Xmodemrommon 9 > xmodem会提示如下警告：
：WARNING: All existing data in bootflash will be lost! Invoke this application only for disaster recovery. Do you wish to continue? y/n
[n]: y Ready to receive file? ... 然后在超级终端的传送栏目=> 选择发送选项 => 再选择Xmodem 并指明IOS所在的路径即开始上传IOS，等待时间很长，视IOS的大小和传输速度。对于初次做IOS上传，建议不要去修改什么传输速率。传完以后对整个系统初始化 界面如下：Erasing flash at 0x603c0000 program flash location 0x602f0000 Download Complete! program load complete, entry point: 0x80008000, size: 0x2f0074 Self decompressing the image：

```
#####  
#####  
#####  
#####  
#####
```

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0x80008084, data-base: 0x80554578cisco 2610 (MPC860) processor
(revision 0x202) with 12288K/4096K bytes of memory.Processor
board ID JAB0233005Z (3677578902)M860 processor: part number
0, mask 32Bridging software.X.25 software, Version 3.0.0.1
Ethernet/IEEE 802.3 interface(s)1 Serial network interface(s)32K
bytes of non-volatile configuration memory.4096K bytes of
processor board System flash (Read/Write)Press RETURN to get
started!00:00:06: %LINK-3-UPDOWN: Interface Ethernet0/0,
changed state to up00:00:06: %LINK-3-UPDOWN: Interface
Serial0/0, changed state to up00:00:06: %SYS-5-CONFIG_I:
Configured from memory by console00:00:06: %SYS-5-RESTART:
System restarted --Cisco Internetwork Operating System
SoftwareIOS (tm) C2600 Software (C2600-I-M), Version 11.3(6)T,
RELEASE SOFTWARE (fc1)Copyright (c) 1986-1998 by cisco
Systems, Inc.Compiled Tue 06-Oct-98 18:42 by ccai00:00:07:
%LINEPROTO-5-UPDOWN: Line protocol
onWL_bank_2610_2>Interface Ethernet0/0, changed state to
up00:00:07: %LINEPROTO-5-UPDOWN: Line protocol on
Interface Serial0/0, changed state to up00:00:07:
%LINEPROTO-5-UPDOWN: Line protocol on Interface
Loopback0, changed state to up2610_2> 100Test 下载频道开通 ,
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