

download

Use the **download** command to copy a software image from a specified host to the Flash memory of a designated module.

download *host file* [*mod*] [**rcp**]

download serial

Syntax Description	
<i>host</i>	Name or IP address of host.
<i>file</i>	Name of file to be downloaded.
<i>mod</i>	(Optional) Number of the module to receive the downloaded image.
rcp	(Optional) Keyword to specify rcp protocol as the file transfer method.
serial	Keyword to specify download through a serial port.

Defaults If a module number is not specified, the image is downloaded to all modules for which the image is valid.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines The Catalyst 6000 family switches download new code to the processors using Kermit serial download through the EIA/TIA-232 console port.

The **download** command downloads code to the module Flash memory. Catalyst 6000 family switch software rejects an image if it is not a valid image for the module.

The **download serial** command uses Kermit through the serial EIA/TIA-232 console port. The **download serial** command is not allowed from a Telnet session.

If you specify the module number, the download goes to the specified module, but the download will fail if the module is of a different type than is indicated by the download header. If you do not specify the module number, the download goes to all modules of that type.



Caution

After starting the serial download using Kermit, do not attempt to abort the serial download by pressing **Ctrl-C**. Pressing **Ctrl-C** interrupts the download process and could leave the switch in a problematic state. If this occurs, reboot the switch.

Examples

This example shows how to download the `c6000_spv11.bin` file from the mercury host to the supervisor engine (by default):

```

Console> (enable) download mercury c6000_spv11.bin
Download image c6000_spv11.bin from mercury to module 1FLASH (y/n) [n]? y
\
Finished network single module download. (2418396 bytes)
FLASH on Catalyst:

Type           Address           Location
Intel 28F008    20000000          NMP (P3) 4MB SIM

Erasing flash sector...done.
Programming flash sector...done.
Erasing flash sector...done.
Programming flash sector...done.
The system needs to be reset to run the new image.
Console> (enable)

```

This example shows how to download the `acpflash_1111.bbi` file from the mercury host to module 3:

```

Console> (enable) download mercury acpflash_1111.bbi 3
This command will reset Module 3.
Download image acpflash_1111.bbi from mercury to Module 3 FLASH (y/n) [n]? y
/
Done. Finished network download. (1964012 bytes)
Console> (enable)

```

This sample session shows how to connect to a remote terminal from a Sun workstation and how to use the **download serial** command to copy a software image to the supervisor engine:

```

[At local Sun workstation]
host% kermit
C-Kermit 5A(172) ALPHA, 30 Jun 95, SUNOS 4.0 (BSD)
Type ? or 'help' for help
C-Kermit> set line /dev/ttyb
C-Kermit> c
Connecting to /dev/ttyb, speed 9600.
The escape character is ^ (ASCII 28).
Type the escape character followed by C to get back,
or followed by ? to see other options.

Console> enable
Enter Password:
Console> (enable) set system baud 19200
^\\C
[Back at local Sun workstation]
C-Kermit> set speed 19200
/dev/ttyb, 19200 bps
C-Kermit> c
Connecting to /dev/ttyb, speed 19200.
The escape character is ^ (ASCII 28).
Type the escape character followed by C to get back,
or followed by ? to see other options.

Console> (enable) download serial
Download Supervisor image via console port (y/n) [n]? y

Concentrator Boot ROM (Ver 1.00)

Waiting for DOWNLOAD!!
Return to your local Machine by typing its escape sequence
Issue Kermit send command from there[ Send 'Filename']

```

```
^\\C
[Back at Local System]
C-Kermit> send c6000_xx.bin
                               SF
c6000_xx.bin => C6000_XX.BIN, Size: 1233266

X to cancel file, CR to resend current packet
Z to cancel group, A for status report
E to send Error packet, Ctrl-C to quit immediately: .....
.....

..... [OK]
ZB
C-Kermit> quit
host%
```

Related Commands

reset—switch
show flash
upload

enable

Use the **enable** command to activate privileged mode. In privileged mode, additional commands are available, and certain commands display additional information.

enable

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Normal.

Usage Guidelines The (enable) in the prompt indicates that the system is in privileged mode and that commands can be entered.

Examples This example shows how to enter privileged mode:

```
Console> enable
Enter password:
Console> (enable)
```

Related Commands **disable**