Fast Software Upgrade

Note

- For complete syntax and usage information for the commands used in this chapter, see these publications:

  http://www.cisco.com/en/US/products/ps11846/prod_command_reference_list.html
- Cisco IOS Release 15.1SY supports only Ethernet interfaces. Cisco IOS Release 15.1SY does not support any WAN features or commands.
- Supported only with redundant supervisor engines. Cisco IOS software is upgraded on the standby RP, and a manual switchover is performed. The new Cisco IOS image can then be upgraded on the other RP.
- During the upgrade process, different images will be loaded on the RPs for a very short period of time. If a switchover occurs during this time, the device will recover in RPR mode.

Tip For additional information about Cisco Catalyst 6500 Series Switches (including configuration examples and troubleshooting information), see the documents listed on this page:

http://www.cisco.com/en/US/products/hw/switches/ps708/tsd_products_support_series_home.html

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To upgrade or downgrade the Cisco IOS image, perform this task:

	Command	Purpose
Step 1	`Router> enable`	Enables privileged EXEC mode (enter your password if prompted).
Step 2	`Router# copy {ftp: | http:// | https:// | rcp: | scp: | tftp:} device:filename`	Copies a Cisco IOS image onto the flash device of the active RP.
Step 3	`Router# copy {ftp: | http:// | https:// | rcp: | scp: | tftp:} slavedevice:filename`	Copies a Cisco IOS image onto the flash device of the standby RP.
Step 4	`Router# configure terminal`	Enters global configuration mode.
Step 5	`Router(config)# no boot system flash [flash-fs:][partition-number:][filename]`	(Optional) Clears any existing system flash boot image specification.

	Command	Purpose
Step 6	`Router(config)# boot system flash [flash-fs:][partition-number:][filename]`	Specifies the filename of stored image in flash memory.
Step 7	`Router(config)# config-register 0x2102`	Sets the configuration register setting to the default value.
Step 8	`Router(config)# exit`	Exits global configuration mode and returns the router to privileged EXEC mode.
Step 9	`Router# copy running-config startup-config`	Saves the configuration changes to the startup configuration file.
Step 10	`hw-module {module standby_slot} reset`	Resets and reloads the standby processor with the specified Cisco IOS image, and executes the image.
Step 11	`redundancy force-switchover`	Forces a switchover to the standby RP.

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