



Software Management Commands

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image boot

	image boot {location <location-ID> next} Specifies the default location where the system should be booted from.	
Syntax Description	location-ID	Specifies the default destination location. There can be up to 2 images on the system. The possible values are 1 or 2.
	next	Sets the boot location to be the next once after the one currently booted from, thus avoiding a cycle through all the available locations.
Default	N/A	
Configuration Mode	config	
History	3.1.0000	
Example	switch (config) # image boot location 2	
Related Commands	show images	
Notes		

boot next

	boot next fallback-reboot enable no boot next fallback-reboot enable Sets the default setting for next boot. Normally, if the system fails to apply the configuration on startup (after attempting upgrades or downgrades, as appropriate), it will reboot to the other partition as a fallback. The no form of the command tells the system not to do that, only for the next boot.	
Syntax Description	N/A	
Default	N/A	
Configuration Mode	config	

History	3.2.0506
Example	switch (config) # boot next fallback-reboot enable
Related Commands	show images
Notes	<ul style="list-style-type: none"> • Normally, if the system fails to apply the configuration on startup (after attempting upgrades or downgrades, as appropriate) it reboots to the other partition as a fallback. • The no form of this command tells the system not to do that only for the next boot. In other words, this setting is not persistent and goes back to being enabled automatically after each boot. • When downgrading to an older software version which has never been run yet on a system, the “fallback reboot” always happens, unless the command “no boot next fallback-reboot enable” is used. However, this also happens when the older software version has been run before, but the configuration file has been switched since upgrading. In general, a downgrade only works (without having the fallback reboot forcibly disabled) if the process can find a snapshot of the configuration file (by the same name as the currently active one) which was taken before upgrading from the older software version. If that is not found, a fallback reboot is performed in preference to falling back to the initial database because the latter generally involves a loss of network connectivity, and avoiding that is of paramount importance.

boot system

	boot system {location next} no boot system next Configures which system image to boot by default. The no form of the command resets the next boot location to the current active one.	
Syntax Description	location	Specifies location from which to boot system <ul style="list-style-type: none"> • 1—installs to location 1 • 2—installs to location 2
	next	Boots system from next location after one currently booted

Default	N/A
Configuration Mode	config
History	3.2.0506
Example	switch (config) # boot system location 2
Related Commands	show images
Notes	

image default-chip-fw

	<pre>image default-chip-fw <filename> no image default-chip-fw <original-fw-filename> Sets the default firmware package to be installed. The no form of the command resets default firmware package.</pre>	
Syntax Description	filename	Specifies the firmware filename
Default	N/A	
Configuration Mode	config	
History	3.1.0000	
	3.6.6000	Added the no form of the command
Example	switch (config) # image default-chip-fw <filename>.mfa	
Related Commands	show asic-version show images	
Notes		

image delete

	<pre>image delete <image-name> Deletes the specified image file.</pre>	
Syntax Description	image-name	Specifies the image name
Default	N/A	

Configuration Mode	config
History	3.1.0000
Example	switch (config) # image delete <filename>.img
Related Commands	show images
Notes	

image fetch

image fetch <URL> [<filename>]					
Downloads an image from the specified URL or via SCP.					
Syntax Description	<table border="1"> <tr> <td>URL</td> <td>HTTP, HTTPS, FTP, TFTP, SCP and SFTP are supported Example: scp://username[:password]@hostname/path/filename</td> </tr> <tr> <td>filename</td> <td>Specifies a filename for this image to be stored as locally</td> </tr> </table>	URL	HTTP, HTTPS, FTP, TFTP, SCP and SFTP are supported Example: scp://username[:password]@hostname/path/filename	filename	Specifies a filename for this image to be stored as locally
	URL	HTTP, HTTPS, FTP, TFTP, SCP and SFTP are supported Example: scp://username[:password]@hostname/path/filename			
filename	Specifies a filename for this image to be stored as locally				
Default	N/A				
Configuration Mode	config				
History	3.1.0000 3.9.2000—Added VRF option				
Example					
<pre>switch (config) # image fetch scp://<username>@192.168.10.125/var/www/html/<image_name> Password ***** 100.0%[#####] switch (config) #</pre> <p>Other options:</p> <pre>switch (config) # image fetch http://10.1.0.40/path/filename switch (config) # image fetch http://[fd4f:13:cc00:1::40]/path/filename switch (config) # image fetch ftp://user:mypassword@10.1.0.40/foo/bar.img switch (config) # image fetch ftp://user:mypassword@[fd4f:13:cc00:1::40]/foo/bar.img switch (config) # image fetch tftp://hostname/dir/filename switch (config) # image fetch tftp://[fd4f:13:cc00:1::40]/dir/filename switch (config) # image fetch scp://user@myhost/dir/filename switch (config) # image fetch scp://user@myhost:1022/dir/filename</pre>					

<pre>switch (config) # image fetch scp://user:pass@[fd4f:13:cc00:1::40]/dir/filename switch (config) # image fetch sftp://user@myhost/dir/filename switch (config) # image fetch sftp://user@[fd4f:13:cc00:1::40]:1022/dir/filename switch (config) # image fetch sftp://user:pass@[fd4f:13:cc00:1::40]/dir/filename</pre>	
Related Commands	show images
Notes	<ul style="list-style-type: none"> • Please delete the previously available image, prior to fetching the new image • The path to the file in the case of TFTP depends on the server configuration. Therefore, it may not be an absolute path but a relative one. • See "Upgrading Operating System Software" page

image install

	<pre>image install <image-filename> [location <location-ID>] [progress <prog-options>]</pre> Installs the specified image file.	
Syntax Description	image-filename	Specifies the image name
	location-ID	Specifies the image destination location
	prog-options	<ul style="list-style-type: none"> • “no-track” overrides CLI default and does not track the installation progress • “track” overrides CLI default and tracks the installation progress
Default	N/A	
Configuration Mode	config	
History	3.1.0000	
Example	<pre>switch (config) # image install X86_64 3.6.5000 2017-07-26 06:54:12 x86_64 Step 1 of 4: Verify Image 100.0% ##### ####] Step 2 of 4: Uncompress Image 100.0% ##### ####] Step 3 of 4: Create Filesystems</pre>	

	<pre> 100.0% [#####] ####] Step 4 of 4: Extract Image 100.0% [#####] ####] switch (config) # </pre>
Related Commands	show images
Notes	<ul style="list-style-type: none"> • The image cannot be installed on the “active” location (the one which is currently being booted) • On a two-location system, the location is chosen automatically if no location is specified

image move

	<pre>image move <src-image-name> <dest-image-name></pre> Renames the specified image file.	
Syntax Description	src-image-name	Specifies the current image name
	dest-image-name	Specifies the new image name
Default	N/A	
Configuration Mode	config	
History	3.1.0000	
Example	switch (config) # image move image1.img image2.img	
Related Commands	show images	
Notes		

image options

	<pre>image options serve all no image options serve all</pre> Configures options and defaults for image usage.
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	The no form of the command disables options and defaults for image usage.	
Syntax Description	serve all	Specifies that the image files present on this appliance should be made available for HTTP and/or HTTPS download
Default	N/A	
Configuration Mode	config	
History	3.1.0000	
Example	switch (config) # image options serve all	
Related Commands	show images	
Notes	<p>The parameter “serve all” affects not only the files currently present, but also any files that are later downloaded. It only applies to image files, not the installed images, which are not themselves in a downloadable format.</p> <p>After running “serve all” the URLs where the images will be available are:</p> <ul style="list-style-type: none"> • http://<HOSTNAME>/system_images/<FILENAME> • https://<HOSTNAME>/system_images/<FILENAME> 	

show bootvar

	show bootvar Displays the installed system images and the boot parameters.
Syntax Description	N/A
Default	N/A
Configuration Mode	Any command mode
History	3.1.0000
Example	<pre>switch (config)# show bootvar</pre> <p>Installed images:</p> <p>Partition 1: X86_64 3.6.4110-12 2017-07-26 06:54:12 x86_64 </p>

	Partition 2: X86_64 3.6.4006 2017-07-03 16:17:39 x86_64 Last boot partition: 1 Next boot partition: 1 Serve image files via HTTP/HTTPS: no Boot manager password is set. Image signing: trusted signature always required Admin require signed images: yes Settings for next boot only: Fallback reboot on configuration failure: yes (default)
Related Commands	
Notes	

show images

	show images Displays information about the system images and boot parameters.
Syntax Description	N/A
Default	N/A
Configuration Mode	Any command mode
History	3.1.0000
Example	<pre>switch (config)# show images</pre> <p>Installed images:</p> <p>Partition 1:</p> <pre>X86_64 3.6.4110-12 2017-07-26 06:54:12 x86_64</pre> <p>Partition 2:</p> <pre>X86_64 3.6.4006 2017-07-03 16:17:39 x86_64</pre> <p>Last boot partition: 1 Next boot partition: 1 Images available to be installed: webimage.tbz</p>

	<p>X86_64 3.6.4071-12 2017-07-26 06:54:12 x86_64 Serve image files via HTTP/HTTPS: no No image install currently in progress. Boot manager password is set. Image signing: trusted signature always required Admin require signed images: yes Settings for next boot only: Fallback reboot on configuration failure: yes (default)</p>
Related Commands	show images
Notes	

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