Upgrading OmniSwitch 6800 Series Switches to 5.3.1.R02

Overview

This instruction sheet documents how to upgrade OmniSwitch 6800 Series switches to 5.3.1.R02 software. Alcatel recommends using WebView instead of the CLI to upgrade image files. These steps are described in **Upgrading the Image Files with WebView** on page 2.

NOTE. No BootROM or MiniBoot upgrade is required in this release.

As an option, you can also upgrade image files with the CLI. These steps are described in **Upgrading the Image Files with the CLI** on page 8.

CAUTION. This instruction sheet only applies to users upgrading to 5.3.1.R02. Do not use this instruction sheet for upgrades on later builds.

Prerequisites

This instruction sheet requires that the following conditions exist or are performed before upgrading:

- If the CLI is used all CLI commands must be executed via a Console Port connection, not through a Telnet session. If you are performing a remote upgrade, then the console port must be connected through a terminal server (via Telnet, PuTTY, etc.) in the same location as the switch you are upgrading.
- The person performing the upgrade must:
 - be the responsible party for maintaining the switches' configuration
 - be aware of any issues that may arise from a network outage caused by improperly loading this code
 - understand that the switch must be rebooted and network users will be affected by this procedure
 - have a working knowledge of the switch to configure it to accept an FTP connection through the EMP or Network Interface (NI) Ethernet port.

WARNING. Do not proceed until all the above prerequisites have been met.

Upgrading the Image Files with WebView

Recommendation. Review all steps in this procedure before beginning.

1 Make sure that the existing code is properly synchronized by selecting Physical > Chassis Mgmt > CMM > Management as shown below:

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Console Port	Cancel CMM Reload	Primary 💌	Apply
Adjacencies	Reload Working Version	Rollback-Timeout	Apply
	Write Memory (Save Running ->	Working On Primary)	Apply
Layer 2	Software Management (Need to Certify)	Copy Working-> Certified & Synchronize with Secondary 💌	Apply
Networking Policy Security	Restore (Copy Certified -> Workin	g On Primary)	Apply
System			I 🗵
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Select Copy Working -> Certified on Primary in the Software Management box for standalone switches or select Copy Working -> Certified & Synchronized with Secondary in the Software Management box and click Apply. Wait for the command to finish on all switches.

Note. wait for the synchronization process to complete before proceeding to the next step.

2 FTP the 5.3.1.R02 image files to the /**flash/working** directory.

Note. If you have two or more switches in a stack make sure you FTP the files to the primary switch.

- **3** Log into WebView.
- 4 Select Physical > Chassis Mgmt > CMM > Management as shown below:

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1	Hardware Softwa	re Management Hardware Component				
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Ethemet	Reboot Entire Stack					
Console Port	Schedule Reload All	In hh mm ss	Apply			
Adjacencies	Schedule Reload All	On// At::	ss Apply			
	Cancel Scheduled Stack Reboot		Apply			
Layer 2 Networking Policy	Reload From	Certified 💌	Apply			
Security System	fa.html		Thernet			

5 In the **Reload From** box Select **Working** and Click **Apply**. The following pop-up window will be displayed:

Microsoft Internet Explorer 🛛 🔀						
? Are you	ı sure?					
OK	Cancel					

6 Click **OK**. The switch will now synchronize files from the working directory with all other stacks (if applicable). Then the switch will now reboot to the new working version.

Note. The **Reload From Working** process can take up to 20 minutes in a stacked environment. This process should *not* be interrupted.

7 Log into WebView.

8 Select System > System Mgmt > Install as shown below:

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Physical	System Mgmt Time/Date/Zone System Info File Managemen	t Install Images	s Switch Logging Snapshot			
Layer 2						
Policy Security System	Local Installation	<u> </u>				
6 3	File Transfer		View Images/Directory Contents			
Interfaces	Location of Archives:	Browse	- <u>View Working Images</u> - <u>View Certified Images</u>			
2	Available Selected		- View Working Directory			
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E SNMP	Add > < Remove					
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			Install Images / Reload CMM			
WebViewMgmt			Install Images Install			
B.			Paland Child from			
믭	Destination Directory: //flash/working/					
System Mgmt			Help			
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9 Click the Install button. The following pop-up window will be displayed:



- 10 Click OK.
- **11** Select Physical > Chassis Mgmt > CMM > Management.

12 If you have a standalone switch select Copy Working -> Certified on Primary in the Software Management box as shown below:

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Health	Cancel CMM Reload	Primary 💌	Apply
Ethemet	Reload Working Version	Rollback-Timeout: ss	Apply
Console Port	Write Memory (Save Running -	▹ Working On Primary)	Apply
Adjacencies	Software Management (Need to Certify)	Copy Working -> Certified On Primary	Apply
	Restore (Copy Certified -> Work	ing On Primary)	Apply
Layer 2	Synchronize File System		Apply
Networking Policy	Temperature Threshold	57 (° C)	Apply
System	Takaguar		Apply
) phys_chs_cmm_c	r aneuver cfg.html		Apply

If you have two or more switches in a stack select **Copy Working -> Certified & Synchronized with Secondary** in the **Software Management** box as shown below:

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The upgrade to 5.3.1.R02 is now complete. (See **Verifying the Upgrade with WebView** on page 7 for more information.)

Verifying the Upgrade with WebView

You can use WebView to verify that your upgrade is successful. To verify that the software was correctly upgraded to 5.3.1.R02, select **System** > **System** Mgmt > **Images** > **Loaded Images** as shown below:

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60 ¹⁰⁰	5.3.1.104.R02	Kos.img	Alcatel Operating System	961075			
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SNMP	Refresh	Help					The image files have been correctly updated to
RMON							5.5.1.K02.
System Mgmt	paded table.html						a frienet
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In addition, you should also select **System > System Mgmt > Images > Images in Certified** and **System** > **System Mgmt > Images > Images in Working** to verify that Certified and Working directories have been correctly upgraded to Release 5.3.1.R02.

Note. Refer to the online help and to the *OmniSwitch 6800 Series Switch Management Guide* for more documentation on WebView.

Upgrading the Image Files with the CLI

Perform the steps below to upgrade the image files with the CLI. All steps in this procedure should be reviewed before beginning.

NOTE. Alcatel recommends using WebView instead of the CLI to upgrade image files. See **Upgrad**ing the Image Files with WebView on page 2 for more information.

1 Make sure that the existing code is properly synchronized by executing the copy working certified command on standalone switches or a copy working certified flash-synchro command on a stack of switches. Wait for the command to finish on all switches.

Note. wait for the synchronization process to complete before proceeding to the next step.

2 FTP the 5.3.1.R02 image files to the /flash/working directory.

Note. If you have two or more switches in a stack make sure you FTP the files to the primary switch.

3 Log into the switch.

Note. In dual redundant configurations you must log into the primary switch.

4 Enter:

-> reload working no rollback-timeout

The switch will now synchronize files from the working directory with all other stacks (if applicable). Then the switch will now reboot to the new working version.

Note. The **reload working no rollback-timeout** command can take up to 20 minutes in a stacked environment. This command should *not* be interrupted.

- **5** Log into the switch.
- 6 At the CLI prompt enter:
 - -> install *.img
- 7 If you have a standalone switch enter:
 - -> copy working certified

If you have two or more switches in a stack enter:

-> copy working certified flash-synchro

Wait for the command to finish executing.

The upgrade to 5.3.1.R02 is now complete. (See Verifying the Upgrade with the CLI on page 10 for more information.)

Verifying the Upgrade with the CLI

To verify that the software is correctly upgraded to 5.3.1.R02, use the **show microcode** command as shown below:

-> show microcode Package	Release	Size	Description	
Kadvrout.img Kbase.img Kdiag.img Keni.img Kos.img Ksecu.img	5.3.1.111.R02 5.3.1.111.R02 5.3.1.111.R02 5.3.1.111.R02 5.3.1.111.R02 5.3.1.111.R02 5.3.1.111.R02 5.3.1.111.R02	828548 8094305 734018 2639551 961085 372533	Alcatel Advanced F Alcatel Base Softw Alcatel Diagnostic Alcatel Ethernet M Alcatel Operating Alcatel Security	Routing ware s Archive Jetwork Interface System
				The image files have been correctly updated to 5.3.1.R02.

Note. Refer to the OmniSwitch CLI Reference Guide for complete documentation on CLI commands.



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