D&LLTechnologies

Dell EMC Networking S3100 Series Release Notes, OS Version 9.14(2.10)

This document contains information about open and resolved issues, and operational information specific to the Dell EMC Networking operating software (OS) and the S3100 Series platform. **Current Release Version:** 9.14(2.10)

Release Date: 2021-06-30

Previous Release Version: 9.14(2.9P1)

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NOTE: This document may contain language that is not consistent with current guidelines of Dell Technologies. There are plans to update this document over subsequent releases to revise the language accordingly.

Incorrect behavior or unexpected caveats are listed as the Problem Report (PR) numbers within the appropriate sections.

For more information on hardware and software features, commands, and capabilities, refer to the Dell EMC Networking support website at: https://www.dell.com/support

Document Revision History

Table 1. Revision History

Date	Description
2021–06	Initial release.

Requirements

The following requirements apply to the S3100 Series.

Hardware Requirements

The following table lists the Dell EMC S3100 Series hardware requirements:

Table 2. System Hardware Requirements

Platforms	Hardware Requirements
S3124 chassis	 Twenty-four Gigabit Ethernet 10/100/1000BASE-T RJ-45 ports that support auto-negotiation for speed, flow control, and duplex. Two SFP 1G combo ports. Two SFP+ 10G ports. 20G expansion slot that supports an optional small form-factor pluggable plus (SFP+) or 10GBase-T module. Two fixed mini Serial Attached SCSI (mini-SAS) stacking ports HG[21] to connect up to twelve S3100 series switches.
S3124F chassis	 Twenty-four Gigabit Ethernet 100BASEFX/1000BASE-X SFP ports. Two 1G copper combo ports. Two SFP+ 10G ports. 20G expansion slot that supports an optional small form-factor pluggable plus (SFP+) or 10GBase-T module. Two fixed mini Serial Attached SCSI (mini-SAS) stacking ports HG[21] to connect up to twelve S3100 series switches.
S3124P chassis	 Twenty-four Gigabit Ethernet 10/100/1000BASE-T RJ-45 ports for copper that support auto-negotiation for speed, flow control, and duplex. Two SFP 1G combo ports. Two SFP+ 10G ports. Supports PoE+. 20G expansion slot that supports an optional small form-factor pluggable plus (SFP+) or 10GBase-T module. Two fixed mini Serial Attached SCSI (mini-SAS) stacking ports HG[21] to connect up to twelve S3100 series switches.
S3148P chassis	 Forty-eight Gigabit Ethernet 10BASE-T, 100BASE-TX, 1000BASE-T RJ-45 ports that support auto-negotiation for speed, flow control, and duplex. Two SFP 1G combo ports. Two SFP+ 10G ports. Supports PoE+. 20G expansion slot that supports an optional small form-factor pluggable plus (SFP+) or 10GBase-T module. Two fixed mini Serial Attached SCSI (mini-SAS) stacking ports HG[21] to connect up to twelve S3100 series switches.
S3148 chassis	 Forty-eight Gigabit Ethernet 10BASE-T, 100BASE-TX, 1000BASE-T RJ-45 ports that support auto-negotiation for speed, flow control, and duplex. Two SFP 1G combo ports. Two SFP+ 10G ports. 20G expansion slot that supports an optional small form-factor pluggable plus (SFP+) or 10GBase-T module. Two fixed mini Serial Attached SCSI (mini-SAS) stacking ports HG[21] to connect up to twelve S3100 series switches.

Software Requirements

The following table lists the Dell EMC S3100 Series software requirements:

Table 3. System Software Requirements

Software	Minimum Release Requirement		
Dell EMC Networking OS	9.14(2.10)		

New Dell EMC Networking OS Version 9.14(2.10) Features

The following features are integrated into the Dell EMC Networking 9.14.2 branch through this release: None

Restrictions

Prerequisite steps to upgrade the Dell EMC Networking OS from earlier version to 9.14.2.0 or later:

- 1. Uninstall the older version of the Open Automation (OA) package
- 2. Upgrade the Dell EMC Networking OS to 9.14.2.0 or later version
- **3.** Install the following OA packages from the respective upgraded version:
 - a. SmartScripts
 - b. Puppet
 - c. Open management infrastructure (OMI)
 - d. SNMP MIB

Prerequisite steps to downgrade the Dell EMC Networking OS from 9.14.2.0 or later to the earlier version:

- 1. Uninstall the OA package of 9.14.2.0 or later version
- 2. Downgrade the Dell EMC Networking OS to an earlier version
- 3. Install the respective OA package from an earlier version

For more information about installing, uninstalling and upgrading the Dell EMC Networking OS and OA package, refer the respective *Dell EMC System Release Notes*.

• If you downgrade the Dell EMC Networking OS version from 9.14.2.10 to 9.11.0.0 or any older versions, the system displays the following error message even though there is no functional impact:

CDB boot error: C.cdb file format

Before downgrading, save the current configuration and then remove the CDB files (confd_cdb.tar.gz.version and confd_cdb.tar.gz). To remove the files, use the following steps:

```
DellEMC#write memory
DellEMC#delete flash://confd_cdb.tar.gz.version
DellEMC#delete flash://confd_cdb.tar.gz
DellEMC#reload
```

- While deploying the system in the normal-reload mode in BMP configuration, use the ip ssh server enable command at the beginning of the startup configuration if the write memory command is used at the end of the configuration.
- REST API does not support AAA authentication.
- The following features are not available in the Dell EMC Networking OS from version 9.7(0.0):
 - PIM ECMP
 - Static IGMP join (ip igmp static-group)
 - IGMP querier timeout configuration (ip igmp querier-timeout)
 - IGMP group join limit (ip igmp group join-limit)
- Half-Duplex mode is not supported.
- When FRRP is enabled in a VLT domain, no flavor of Spanning tree should concurrently be enabled on the nodes of that specific VLT domain. In essence FRRP and xSTP should not co-exist in a VLT environment.

Changes to Default Behavior and CLI Syntax

• From 9.14(2.4P1) onwards, a new nand chip ships on the S3100 series switch. This chip supports the new UBoot version 5.2.1.10.

Documentation Corrections

None.

Deferred Issues

Issues that appear in this section were reported in a previous version of Dell Networking OS version as open, but have since been deferred. Deferred issues are the issues that are found to be invalid, not reproducible, or not scheduled for resolution.

Deferred issues are reported using the following definitions.

Category	Description		
PR#	Problem Report number that identifies the issue.		
Severity	S1 — Crash: A software crash occurs in the kernel or a running process that requires a restart of AFM, the router, switch, or process.		
	S2 — Critical: An issue that renders the system or a major feature unusable, which can have a pervasive impact on the system or network, and for which there is no work-around acceptable to the customer.		
	S3 — Major: An issue that affects the functionality of a major feature or negatively effects the network for which there exists a work-around that is acceptable to the customer.		
	S4 — Minor: A cosmetic issue or an issue in a minor feature with little or no network impact for which there might be a work-around.		
Synopsis	Synopsis is the title or short description of the issue.		
Release Notes	Release Notes description contains more detailed information about the issue.		
Work around	Work around describes a mechanism for circumventing, avoiding, or recovering from the issue. It might not be a permanent solution.		
	lssues listed in the "Closed Caveats" section should not be present, and the work-around is unnecessary, as the version of code for which this release note is documented has resolved the caveat.		

Deferred S3100 series 9.14(2.0) Software Issues

Issues that appear in this section were reported in Dell EMC Networking OS version 9.14(2.0) as open, but have since been deferred. Deferred caveats are those that are found to be invalid, not reproducible, or not scheduled for resolution. None.

Fixed Issues

Fixed issues are reported using the following definitions.

Category	Description
PR#	Problem Report number that identifies the issue.
Severity	S1 — Crash: A software crash occurs in the kernel or a running process that requires a restart of AFM, the router, switch, or process.
	S2 — Critical: An issue that renders the system or a major feature unusable, which can have a pervasive impact on the system or network, and for which there is no work-around acceptable to the customer.
	S3 — Major: An issue that affects the functionality of a major feature or negatively effects the network for which there exists a work-around that is acceptable to the customer.
	S4 — Minor: A cosmetic issue or an issue in a minor feature with little or no network impact for which there might be a work-around.

Category	Description				
Synopsis	Synopsis is the title or short description of the issue.				
Release Notes Release Notes description contains more detailed information about the issue.					
Work around	Work around describes a mechanism for circumventing, avoiding, or recovering from the issue. It might not be a permanent solution.				
	Issues listed in the "Closed Caveats" section should not be present, and the work-around is unnecessary, as the version of code for which this release note is documented has resolved the issue.				

Fixed S3100 Series 9.14(2.10) Software Issues

() NOTE: Dell EMC Networking OS 9.14(2.10) includes fixes for caveats addressed in the previous 9.14 releases. See the respective release notes documentation for the list of caveats fixed in the earlier 9.14 releases.

The following caveats have been fixed in the Dell EMC Networking OS version 9.14(2.10):

PR# 170039	
Severity:	Sev 3
Synopsis:	The hop limit of neighbor advertisement packets for virtual IPv6 addresses decrease when the packets are incorrectly hashed in VLT.
Release Notes:	The hop limit of neighbor advertisement packets for virtual IPv6 addresses decrease when the packets are incorrectly hashed in VLT.
Workaround:	None
PR# 170044	
Severity:	Sev 2
Synopsis:	In certain scenarios, the switch may restart if there is an exception in the $\verb confd $ process.
Release Notes:	In certain scenarios, the switch may restart if there is an exception in the \mbox{confd} process.
Workaround:	None
PR# 170077	
Severity:	Sev 3
Synopsis:	In certain scenarios, the switch may encounter an exception while copying an image from a USB drive to update the operating system.
Release Notes:	In certain scenarios, the switch may encounter an exception while copying an image from a USB drive to update the operating system.
Workaround:	None
PR# 170082	
Severity:	Sev 2
Synopsis:	Time zone configuration does not reflect in the running-config after reload.

Release Notes:	Time zone configuration does not reflect in the running-config after reload.
Workaround:	None
PR# 170087	
Severity:	Sev 2
Synopsis:	In certain scenarios, the switch may encounter an exception when excessive traffic is received on the management interface.
Release Notes:	In certain scenarios, the switch may encounter an exception when excessive traffic is received on the management interface.
Workaround:	None
PR# 170098	
Severity:	Sev 3
Synopsis:	Unable to change the root account password.
Release Notes:	Unable to change the root account password.
Workaround:	None
PR# 170104	
Severity:	Sev 2
Synopsis:	MIB walk displays the wrong size for the dot3adAggPortActorOperState object.
Release Notes:	MIB walk displays the wrong size for the dot3adAggPortActorOperState object.
Workaround:	None
PR# 170115	
Severity:	Sev 3
Synopsis:	The switch may encounter an exception when an incorrect length field is specified in a TACACS packet.
Release Notes:	The switch may encounter an exception when an incorrect length field is specified in a TACACS packet.
Workaround:	None

Known Issues

Known issues are reported using the following definitions.

Category	Description
PR#	Problem Report number that identifies the issue.
Severity	S1 — Crash: A software crash occurs in the kernel or a running process that requires a restart of AFM, the router, switch, or process.

Category	Description			
	S2 — Critical: An issue that renders the system or a major feature unusable, which can have a pervasive impact on the system or network, and for which there is no work-around acceptable to the customer.			
	S3 — Major: An issue that affects the functionality of a major feature or negatively effects the network for which there exists a work-around that is acceptable to the customer.			
	S4 — Minor: A cosmetic issue or an issue in a minor feature with little or no network impact for which there might be a work-around.			
Synopsis	Synopsis is the title or short description of the issue.			
Release Notes	Release Notes description contains more detailed information about the issue.			
Work around	Work around describes a mechanism for circumventing, avoiding, or recovering from the issue. It might not be a permanent solution.			
	Issues listed in the "Closed Caveats" section should not be present, and the work-around is unnecessary, as the version of code for which this release note is documented has resolved the caveat			

Known S3100 Series 9.14(2.10) Software Issues

The following caveats are open in Dell Networking OS version 9.14(2.10): None.

Upgrade Instructions

The following upgrades are available for the Dell EMC Networking operating system (OS) on S3100 series switches:

- 1. Upgrade the Dell EMC Networking OS image on S3100 series switches.
- 2. Upgrade the UBoot from Dell EMC Networking OS.
- **3.** Upgrade the CPLD image.
- 4. Upgrade the PoE controller.

Upgrading the Operating Software Image

Upgrade the OS image on S3100 series switches by following the procedure in this section.

(i) NOTE: The configurations shown here are examples only and are not intended to duplicate any real system or network.

() NOTE: If you installed the Open Automation (OA) package on the S3100 series switch, Dell EMC Networking strongly recommends uninstalling the OA package before you upgrade the Dell EMC Networking OS image. Then reinstall a compatible OA package. In this way, the system installs enhancements and uninstalls incompatible OA packages after the Dell EMC Networking OS upgrade.

() NOTE: Dell EMC Networking strongly recommends using the Management Interface to upgrade the new image in both BMP mode and the Upgrade System CLI. Using front-end ports takes more time (approximately 25 minutes) to download and install new image due to the large file size.

NOTE: If you are using bare metal provisioning (BMP), see the Bare Metal Provisioning chapter in the Open Automation Guide.

1. Save the running configuration on the switch.

EXEC Privilege mode

write memory

2. Back up your startup configuration to a secure location (for example, an FTP server as shown here).

EXEC Privilege mode

copy startup-config destination

```
DellEMC# copy running-config ftp:
Address or name of remote host []: 10.10.10.10
Destination file name [startup-config]: startup-config
User name to login remote host: host
Password to login remote host: xxxx
!
5179 bytes successfully copied
DellEMC#
```

3. Upgrade the Dell EMC Networking OS on a S3100 series switch.

EXEC Privilege mode

```
upgrade system {flash: | ftp: | nfsmount: | scp: | stack-unit: | tftp:| usbflash:} file-
url [A: | B:]
```

Where {flash: | ftp: | scp: | tftp:| usbflash:} *file-url* specifies the file transfer method and location of the software image file used to upgrade the S3100 series, and is in one of the following formats:

- flash://directory-path/filename Copy from flash file system.
- ftp://user-id:password@host-ip/file-path Copy from remote (IPv4 or IPv6) file system.
- nfsmount://mount-point/filepath Copy from NFS mount file system.
- scp://user-id:password@host-ip/file-path Copy from remote (IPv4 or IPv6) file system.
- stack-unit: Synchronize image to the specified stack unit.
- tftp://host-ip/file-path Copy from remote (IPv4 or IPv6) file system.
- usbflash://directory-path/filename Copy from USB flash file system.

NOTE: Dell EMC Networking recommends using FTP to copy the new image with the upgrade system command due to the large file size.

4. In case of a stack setup, upgrade the Dell EMC Networking OS for the stacked units.

EXEC Privilege mode

upgrade system stack-unit [1-12 | all] [A: | B:]

If A: is specified in the command, the Dell EMC Networking OS version present in Management unit's A: partition will be pushed to the stack units. If B: is specified in the command, the Management unit's B: will be pushed to the stack units. Upgrade of stack units can be done on individual units by specifying the unit id [1–12] or on all units by using all in the command.

5. Verify the Dell EMC Networking OS has been upgraded correctly in the upgraded flash partition

EXEC Privilege mode

show boot system stack-unit [1-12 | all]

The Dell EMC Networking OS versions present in A: and B: can be viewed for individual units by specifying the stack unit id [1–12] in the command or for all the stack units by specifying all in the command.

```
DellEMC#show boot system stack-unit all
```

Current system image information in the system: -----____ _____ Туре Boot Type A R _____ _____

 stack-unit 1
 FLASH BOOT
 9.14(2.10)

 stack-unit 2
 FLASH BOOT
 9.14(2.10)

 stack-unit 3
 FLASH BOOT
 9.14(2.10)

 9.14(2.10)9.14(2.9) [boot]9.14(2.10)9.14(2.9) [boot]9.14(2.10)9.14(2.9) [boot] stack-unit 4 is not present. stack-unit 5 is not present. stack-unit 6 is not present. stack-unit 7 is not present. stack-unit 8 is not present. stack-unit 9 is not present. stack-unit 10 is not present. stack-unit 11 is not present. stack-unit 12 is not present. DellEMC#

6. Change the primary boot parameter to the upgraded partition (A: or B:).

CONFIGURATION mode

boot system stack-unit {1-12 | all} {default | primary | secondary} {flash://file-name |
ftp://file-url | system: {A: | B:} | tftp://file-url }

DellEMC(conf)#boot system stack-unit all primary system: a: DellEMC(conf)#

7. Save the upgrade configuration so that it is retained after a reload.

EXEC Privilege mode

write memory

DellEMC#

8. Reload the switch so that the Dell EMC Networking OS image is retrieved from flash.

EXEC Privilege mode

reload

DellEMC#reload

Proceed with reload [confirm yes/no]: yes...

9. Verify that the switch is upgraded to the latest Dell EMC Networking OS version.

```
EXEC Privilege mode
```

show version

```
DellEMC#show version
Dell EMC Real Time Operating System Software
Dell EMC Operating System Version: 2.0
Dell EMC Application Software Version: 9.14(2.10)
Copyright (c) 2000-2021 by Dell Inc. All Rights Reserved.
Build Time: Tue May 18 11:34:10 2021
Build Path: /build/build01/SW/SRC
Dell EMC Networking OS uptime is 1 hour(s), 31 minute(s)
System image file is "system://A"
System Type: S3124P
Control Processor: Broadcom 56340 (ver A0) with 2 Gbytes (2147483648 bytes) of
memory, core(s) 1.
```

```
1G bytes of boot flash memory.

1 52-port GE/TE (S3100)

1 28-port GE/TE (S3100)

1 28-port GE/TE (S3100)

96 GigabitEthernet/IEEE 802.3 interface(s)

8 Ten GigabitEthernet/IEEE 802.3 interface(s)

DellEMC#
```

10. Check if all the stack units are online after reload.

EXEC Privilege mode show system brief

```
DellEMC#show system brief
Stack MAC
                      : 00:11:33:44:77:86
Reload-Type
                       : normal-reload [Next boot : normal-reload]
-- Stack Info --
Unit UnitType Status ReqTyp
                                                        Version Ports
                                          CurTyp
           _____
                                                  9.14(2.10) 54
 1Memberonline$3148$31482Managementonline$3124P$3124P2Standbuonline$3124F$3124F
                                                        9.14(2.10) 30
9.14(2.10) 30
 3 Standby online
                            S3124F
                                           S3124F
```

Upgrade the UBoot from Dell EMC Networking OS

To upgrade the UBoot from Dell EMC Networking OS, perform the following steps:

1. Upgrade the S3100 Series Boot Flash (UBoot) image.

EXEC Privilege mode

```
upgrade boot bootflash-image stack-unit [<id> | all] [booted | flash: | ftp: | scp: |
tftp: | usbflash:]
```

Dell EMC Networking OS version 9.14(2.10) requires S3100 Series Boot Flash (UBoot) image version 5.2.1.10. The booted option is used to upgrade the Boot Flash (UBoot) image to the image version packed with the loaded Dell EMC Networking OS image. The Boot Flash (UBoot) image version packed with the loaded Dell EMC Networking OS can be found using the show os-version command in EXEC Privilege mode.

To upgrade the Boot Flash image of all stack-units, the option all can be used.

```
DellEMC#upgrade boot bootflash-image stack-unit all booted
Current Boot information in the system:
_____
 Card
                   BootFlash Current Version New Version
_____
                   Boot Flash5.2.1.85.2.1.10Boot Flash5.2.1.85.2.1.10
   Unit1
   Unit.2
                                   5.2.1.8
                                           5.2.1.10
   Unit3
                   Boot Flash
  * Warning - Upgrading boot flash is inherently risky and should only *
  * be attempted when necessary. A failure at this upgrade may cause *
  Proceed Boot Flash image for all units [yes/no]: yes
!!!!!.!.!!!
Bootflash image upgrade for all completed successfully.
DellEMC#
DellEMC#show system brief
Stack MAC
                  : 00:11:33:44:77:86
Reload-Type
                 : normal-reload [Next boot : normal-reload]
```

S Unit	tack Info UnitType	Status	ReqTyp	CurTyp	Version	Ports
 1	Mombor		 c31/0	 c31/0	9 14 (2 10)	54
Ŧ	Melliper	OUTTHE	55140	55140	9.14(2.10)	54
2	Management	online	S3124P	S3124P	9.14(2.10)	30
3	Standby	online	S3124F	S3124F	9.14(2.10)	30

2. Reload the unit.

EXEC Privilege mode

reload

3. Verify the UBoot image.

EXEC Privilege mode

show system stack-unit <id>

DellEMC#show system stack-unit 1

Unit 1						
Unit Type	: M	anagement	: Unit			
Status	: 0	nline				
Next Boot	: 0	nline				
Required Type	: S	3124F - 2	28-port	GE/TE	(S3100)	
Current Type	: S	3124F - 2	28-port	GE/TE	(S3100)	
Master priority	: 0		- <u>-</u>	- ,	(,	
Hardware Rev	: 5	. 0				
Num Ports	• 3	0				
Un Time	• A	1 min 27 coc				
Doll EMC Notworking OS Wor		• 0 1//	2 1 0 1			
Jumba Camable	SION	: 9.14(2	2.10)			
Jumbo Capable	: у	es				
POE Capable	: n	0				
FIPS Mode	: d	isabled				
Boot Flash	: 5	.2.1.10				
Boot Selector	: P	resent				
Memory Size	: 2	147483648	B bytes			
Temperature	: 3	8C	_			
Voltage	: 0	k				
Serial Number	•					
Part Number	. R	A17				
Vondor Id	• •					
	:					
Date code	·					
country code	:	17				
Piece Part ID	: N	N/A N/A				
PPID Revision	: N	/ A				
Service Tag	: N	/A				
Expr Svc Code	: N	/A				
Auto Reboot	: d	isabled				
Burned In MAC	: f	8:10:16:1	7:18:17	7		
No Of MACs	: 3					
Module 1						
Status · not pres	ont					
· not pres	CIIC					
Deven Gunnlies						
Power Supplies					1 ()	
Unit Bay Status	туре	FanSt	latus	ranspe	ea(rpm)	
1 1	 7 C					
l l up	AC	up		0		
1 2 absent		abser	nt	0		
Fan Status						
Unit Bay TrayStatus Far	1	Speed	Fan2	Speed		
1 1 up up		6956	up	7058		
Speed in RPM						
DellEMC#						

Upgrading the CPLD

The S3100 series with the Dell EMC Networking OS Version 9.14(2.10) requires System CPLD revision 24.

() NOTE: If your CPLD revisions are higher than the ones shown here, DO NOT make any changes. If you have questions regarding the CPLD revision, contact technical support:

Verify that a CPLD upgrade is required

Use the following command to identify the CPLD version:

```
DellEMC#show revision
-- Stack unit 1 --
S3124F SYSTEM CPLD : 24
DellEMC#
```

Use the following command to view CPLD version that is associated with the Dell EMC Networking OS image:

DellEMC#show os-version				
RELEASE IMAGE INFO	RMATION :			
Platform S-Series:S3100	Version 9.14(2.10)	Size 50155103 M	Rel May 18 2021	easeTime 12:52:25
TARGET IMAGE INFORMATION :				
Type runtime	Version 9.14(2.10)	Control	Target Processor	checksum passed
BOOT IMAGE INFORMAT	FION :			
Type boot flash	Version 5.2.1.6	Control	Target Processor	checksum passed
FPGA IMAGE INFORMAT	FION :			
Card stack-unit 1	S3148	FPGA Name SYSTEM CPLD	Version 24	
POE-CONTROLLER IMAG	GE INFORMATION			
Type PoE Controller DellEMC#	Version 2.65			

Upgrading the CPLD Image

NOTE: The upgrade fpga-image stack-unit 1 booted command is hidden when using the FPGA Upgrade feature in the CLI. However, it is a supported command and is accepted when entered as documented.

NOTE: Ensure that the uBoot version is 5.2.1.8 or above. You can verify this version using show system stack-unit 1 command.

To upgrade the CPLD image on S3100 Series, follow these steps:

Card Device Name Current Version New Version _____ Unit.1 S3124F SYSTEM CPLD 23 24 * Warning - Upgrading FPGA is inherently risky and should * only be attempted when necessary. A failure at this upgrade may * cause a board RMA. Proceed with caution ! ***** * When the upgrade has successfully completed, the system will * be automatically rebooted to reload the upgraded components. Upgrade image for stack-unit 1 [yes/no]: yes System fpga upgrade in progress !!! Please do NOT power off the unit !!! Upgrade result : _____ Unit 1 System fpga upgrade in progress. It will take a few minutes for the upgrade to complete. Unit 1 will auto reboot once the the upgrade is complete. Please do NOT power off or reload the unit!!!

2. The system reboots automatically and waits for the DellEMC prompt. The CPLD version can be verified using show revision command output.

EXEC Privilege mode

show revision

```
DellEMC#show revision
-- Stack unit 1 --
S3124F SYSTEM CPLD : 24
DellEMC#
```

(i) NOTE: Do not power off the system while FPGA upgrade is in progress. For any queries, contact technical support

NOTE: When you upgrade the standby and member units of CPLD, the following message displays in the management unit. The unit automatically reboots once the upgrade is complete and joins the stack with the upgraded CPLD.

DellEMC#upgrade fpga-image stack-unit 3 booted Current information for the system: _____ _____ Device Name Current Version New Version Card _____ _____ Unit3 S3124F SYSTEM CPLD 23 2.4 * Warning - Upgrading FPGA is inherently risky and should * only be attempted when necessary. A failure at this upgrade may * cause a board RMA. Proceed with caution ! ******* * When the upgrade has successfully completed, the system will * * be automatically rebooted to reload the upgraded components. Upgrade image for stack-unit 3 [yes/no]: yes

System fpga upgrade in progress!!! Please do NOT power off the unit!!!

Upgrading the PoE Controller

Upgrade the PoE controller image on a stack unit of the S3100 series switch.

1. Upgrade the PoE controller image on a specified stack unit.

```
EXEC Privilege mode
upgrade poe-controller stack-unit unit-number
DellEMC#upgrade poe-controller stack-unit 1
Current PoE-Controller information in the system:
 _____
Stack Unit
                 Current Version
                                     New Version
     -----
  1
                       2.65
                                      2.65
    * Warning - Upgrading PoE Controller should only be attempted
    * when necessary. Stack-unit will be reset automatically after
    * upgrade. PoE to all ports of the unit would be suspended until
    * upgrade completes and unit gets reloaded successfully. Please do not*
* Reset/Powercyle or Reload. Proceed with caution ! *
                                               Upgrade PoE Controller Firmware for stack-unit 1 ? [yes/no]: yes
PoE Controller upgrade in progress. Please do NOT POWER-OFF the card.
Upgrade result :
     ______
 Slot 1 PoE Controller FirmWare upgrade successful. Resetting the stack-unit.
DellEMC#
```

Support Resources

The following support resources are available for the S3100 Series.

Documentation Resources

For information about using the S3100 Series, see the following documents at http://www.dell.com/support:

- Dell EMC Networking S3100 Series Installation Guide
- Quick Start Guide
- Dell EMC Command Line Reference Guide for the S3100 Series
- Dell EMC Configuration Guide for the S3100 Series

For more information about hardware features and capabilities, see the Dell EMC Networking website at https://www.dellemc.com/networking.

Issues

Incorrect behavior or unexpected caveats are listed in order of Problem Report (PR) number within the appropriate sections.

Finding Documentation

This document contains operational information specific to the S3100 Series.

- For information about using the S3100 Series, see the documents at http://www.dell.com/support.
- For more information about hardware features and capabilities, see the Dell EMC Networking website at https://www.dellemc.com/networking.

Contacting Dell EMC

NOTE: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell EMC product catalog.

Dell EMC provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell EMC for sales, technical support, or customer service issues:

Go to www.dell.com/support.

Notes, cautions, and warnings

(i) NOTE: A NOTE indicates important information that helps you make better use of your product.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

MARNING: A WARNING indicates a potential for property damage, personal injury, or death.