



Extreme Fabric Automation Release Notes

3.0.0

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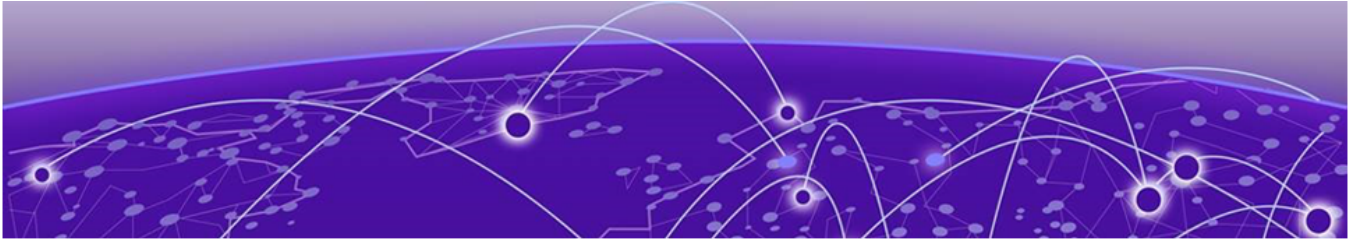


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New In This Release

Extreme Fabric Automation 3.0.0 provides the following features and improvements.

Table 1: Features and Improvements

Feature	Description
L2 and L3 services features and improvements	Describes various improvements on L2 and L3 services. For more information, see the Extreme Fabric Automation Administration Guide, 3.0.0 .
Static Prefix Independent Convergence	Updated <i>Device settings attributes supporting DRC and Idempotency and Global or System-level Configuration</i> details. For more information, see the Extreme Fabric Automation Administration Guide, 3.0.0 .
Inventory device interface settings	Updated the topic with interface unset-mtu command. For more information, see the Extreme Fabric Automation Administration Guide, 3.0.0 .
Scaled DRC timeout	Updated the scaled Drift and Reconcile (DRC) timeout details. For more information, see the Extreme Fabric Automation Administration Guide, 3.0.0 .

Table 1: Features and Improvements (continued)

Feature	Description
Certificates information	New topics that describes how to: <ul style="list-style-type: none"> • Renew HTTPS certificates for SLX • Generate dynamic CA certificates • Renew or regenerate CA certificate • Regenerate token signing certificate For more information, see the Extreme Fabric Automation Security Guide, 3.0.0 .
TPVM incremental upgrade	Describes the procedure for TPVM incremental upgrade For more information, see the Extreme Fabric Automation Deployment Guide, 3.0.0 .
TPVM improvements	Describes the installer improvements for TPVM For more information, see the Extreme Fabric Automation Deployment Guide, 3.0.0 .
OVA configuration	Describes Postboot Menu for OVA configuration For more information, see the Extreme Fabric Automation Deployment Guide, 3.0.0 .

For more information, see [Defects Closed with Code Changes](#) on page 9.

Supported Platforms and Deployment Models

Support includes bare metal, OVA, and TPVM deployment models, supported TPVM versions, supported SLX-OS software versions, and supported SLX devices.

Table 2: Bare Metal Deployment Models

EFA Version	Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Server Requirements
2.6.x, 2.7.x, and 3.0.0	External server (bare metal)	More than 24	Yes	16.04 and 18.04	<ul style="list-style-type: none"> • CPU: 4 cores • Storage: 50 GB • RAM: 8 GB

Table 3: OVA Deployment Models

EFA Version	Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Server Requirements
2.6.x (Secure mode), 2.7.x, 3.0.0	External server (OVA)	More than 24	Yes	18.04	<ul style="list-style-type: none"> • CPU: 4 cores • Storage: 50 GB • RAM: 8 GB

Table 4: TPVM Deployment Models

EFA Version	TPVM Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Minimum SLX-OS Version
2.6.x	<ul style="list-style-type: none"> • SLX 9150 • SLX 9250 • SLX 9740 • Extreme 8520 • Extreme 8720 	Up to 24	Yes	18.04	20.3.4
2.7.x	<ul style="list-style-type: none"> • SLX 9150 • SLX 9250 • SLX 9740 • Extreme 8520 • Extreme 8720 	Up to 24	Yes	18.04	20.4.1
3.0.x	<ul style="list-style-type: none"> • SLX 9150 • SLX 9250 • SLX 9740 	Up to 24	Yes	18.04	20.4.2

Table 4: TPVM Deployment Models (continued)

EFA Version	TPVM Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Minimum SLX-OS Version
	<ul style="list-style-type: none"> Extreme 8520 Extreme 8720 				

Table 5: TPVM Software Support

TPVM Version	SLX-OS 20.2.3 d/e/f	SLX-OS 20.3.2	SLX-OS 20.3.2 a	SLX-OS 20.3.2 b	SLX-OS 20.3.2 c	SLX-OS 20.3.2 d	SLX-OS 20.3.4/4a	SLX-OS 20.4.1	SLX-OS 20.4.1 b	SLX-OS 20.4.2	Ubuntu Version	EFA Version
4.2.4	Yes	No	No	No	No	No	No	No	No	No	18.04	2.4.x
4.2.5	No	Yes	Yes	No	No	No	No	No	No	No	18.04	2.4.x, 2.5.0
4.2.5	No	No	No	Yes	No	No	No	No	No	No	18.04	2.5.1, 2.5.2
4.2.5	No	No	No	No	Yes	No	No	No	No	No	18.04	2.5.3
4.3.0	No	No	No	No	No	Yes	No	No	No	No	18.04	2.5.4, 2.5.5
4.4.0	No	No	No	No	No	No	Yes	No	No	No	18.04	2.6.0, 2.6.1
4.5.0	No	No	No	No	No	No	No	Yes	No	No	18.04	2.7.0
4.5.1	No	No	No	No	No	No	No	No	Yes	No	18.04	2.7.2
4.5.3	No	No	No	No	No	No	No	No	No	Yes	18.04	3.0.0

**Note**

The seamless TPVM upgrade feature is not available in SLX 20.2.3f.

Table 6: IP Fabric Topology Matrix

Device	SLX-OS Release	Leaf	Spine	Super Spine	Border Leaf	Small DC Fabric
SLX 9150	20.1.x, 20.2.x, 20.3.x	✓				✓
SLX 9250	20.1.x, 20.2.x, 20.3.x	✓	✓	✓		✓
SLX 9540	20.1.x, 20.2.x, 20.3.x	✓			✓	
SLX 9640	20.1.x, 20.2.x, 20.3.x				✓	
SLX 9740	20.2.x, 20.3.x		✓	✓	✓	✓

Table 6: IP Fabric Topology Matrix (continued)

Device	SLX-OS Release	Leaf	Spine	Super Spine	Border Leaf	Small DC Fabric
Extreme 8720	20.3.x	✓	✓	✓	✓	✓
Extreme 8520	20.3.x	✓			✓	✓

Table 7: EFA, Neutron, and SLX-OS Compatibility

EFA Version	Neutron Version	SLX-OS Version
2.5.4, 2.5.5	3.1.1-04	20.3.2d

EFA Upgrade Prerequisites

Prerequisites for EFA upgrade process with the default gateway changed:

1. Ensure that no DNS configuration exists under TPVM config and resolve.conf.
2. Presence of management connectivity from SLX and TPVM to external build server image, wherein image is available during SLX and TPVM upgrade process.

If file/etc/sshd/sshd_config is modified to non-default values, then manually readjust the following parameters:

- MaxStartups 30:30:100
- MaxAuthTries 6
- LoginGraceTime 120



Note

The hardening script bundled with EFA 2.6.1 will not automatically modify the above mentioned parameters.

Known Limitations

Note the following caveat for this release of Extreme Fabric Automation.

- If CLOS setup firmware upgrade encounters error "Cannot start download before the new image is committed", then create separate group only for active EFA node and perform firmware upgrade.

Defects Closed with Code Changes

The following defects, which were previously disclosed as open, were resolved in Extreme Fabric Automation 3.0.0.

Parent Defect ID:	EFA-11335	Issue ID:	EFA-11335
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.5
Symptom:	On scaled setup CLI: "efa tenant service bgp peer operational show" failed with the error "service is not available".		
Condition:	Below are the steps to reproduce the issue: 1. A tenant is configured with the member ports spanning across 8 devices of the fabric. 2. All 8 devices are configured with 100 VRFs and each VRF has 2 static and 1 dynamic peer. 3. Execute "efa tenant service bgp peer operational show"		
Workaround:	Execute "efa tenant service bgp peer operational show --tenant <tenant-name> --vrf <tenant-vrf-name>" instead of "efa tenant service bgp peer operational show --tenant <tenant-name>" or "efa tenant service bgp peer operational show"		

Parent Defect ID:	EFA-12133	Issue ID:	EFA-12133
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.5
Symptom:	On the last port-group delete, VRF VRF1 is not cleaned up from the device, when the VRF is shared across the EPGs.		

Parent Defect ID:	EFA-12133	Issue ID:	EFA-12133
Condition:	<p>Below are the steps to reproduce the issue:</p> <ol style="list-style-type: none"> 1. Create L3 EPG EPG1 with Device1Port1 and VRF1. 2. Create L3 EPG EPG2 with Device1Port2, Device2Port1, and VRF1 3. Update EPG EPG2 with "port-group-delete" of Device1Port2 4. Update EPG EPG1 with "port-group-delete" of Device1Port1. This is the last port getting deleted from the device which should have resulted in the deletion of the VRF VRF1 from the Device1. 		
Recovery:	<p>Recovery way 1:</p> <ol style="list-style-type: none"> 1. Delete EPG1. 2. EPG2 update with port-group add D1P2 and then remove D1P2 from EPG. <p>After the port removal D1P2 (last-port) vrf will be removed from the device.</p> <p>Recovery way 2:</p> <p>Manually remove the vrf from the device.. Inventory update.</p>		

Parent Defect ID:	EFA-12710	Issue ID:	EFA-12710
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	<p>With rollback , Multi-node upgrade with node replacement is not supported.</p> <p>This happens when user gives command efa deploy with-rollback for multi-node replacement, user is given option 1) Multi Node Build Upgrade and 2) Multi Node Build Upgrade With Node Replacement . If user chooses the option 2 Multi Node Build Upgrade With Node Replacement . Installer prompts</p> <p>"With rollback , replacement upgrade not supported Do you wish to restart the install? (yes/no)"</p>		
Condition:	This happens when user gives command efa deploy with-rollback for Multi Node Build Upgrade With Node Replacement		

Parent Defect ID:	EFA-12710	Issue ID:	EFA-12710
Workaround:	<p>When the installer prompts, 1) Multi Node Build Upgrade and 2) Multi Node Build Upgrade With Node Replacement . if User presses option 2 , Installer prompts "With rollback , replacement upgrade not supported Do you wish to restart the install? (yes/no)" User can input no to halt the installation and press yes if he wants to go for option 1) Multi Node Build Upgrade</p>		
Recovery:	<p>When the installer prompts, 1) Multi Node Build Upgrade and 2) Multi Node Build Upgrade With Node Replacement . if User presses option 2 , Installer prompts "With rollback , replacement upgrade not supported Do you wish to restart the install? (yes/no)" User can input no to halt the installation</p>		

Parent Defect ID:	EFA-12823	Issue ID:	EFA-12823
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	Prefix Independent Convergence is not detected as drifted and it will not get reconciled.		
Condition:	Occasionally when performing DRC in maintenance mode on reboot state, the Prefix Independent Convergence fails to detect refreshed state.		
Workaround:	Working around the drift detection is done by validating Prefix Independent Convergence has not drifted before reloading into maintenance mode.		
Recovery:	When Prefix Independent Convergence is not being detected as refreshed, re-configuring the value will enable drift detection to function.		

Parent Defect ID:	EFA-13080	Issue ID:	EFA-13080
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	Some configurations when removed from the device will not cause the EFA to move the device to cfg-refresh state.		

Parent Defect ID:	EFA-13080	Issue ID:	EFA-13080
Condition:	<p>Case1: EFA doesn't move device to config-refresh on device update. Config does NOT Reconcile on drift-reconcile:</p> <p>Fabric devices app state should be cfg-refreshed, after peer-keepalive configuration removed manually in slx</p> <p>Fabric devices app state should be cfg-refreshed, after "ip address" configuration under a fabric interface removed manually in slx</p> <p>Fabric devices app state should be cfg-refreshed, after loopback interface configuration under a fabric is removed manually in slx</p> <p>Fabric devices app state should be cfg-refreshed, after "address-family l2vpn evpn" is removed</p> <p>Fabric devices app state should be cfg-refreshed, after "no neighbor <ip> next-hop-self" is removed</p> <p>Case2 : EFA doesn't move device to config-refresh on device update. Config does Reconcile on manual drift-reconcile:</p> <p>Fabric devices app state should be cfg-refreshed, after "maximum-paths" configuration under router bgp removed manually in slx</p> <p>Fabric devices app state should be cfg-refreshed, after "graceful-restart" configuration under router bgp removed manually in slx</p>		
Workaround:	<p>Manually configure the device back in case 1</p> <p>Run manual drift-reconcile OR manually configure device back will recover the config in case 2</p>		

Parent Defect ID:	EFA-13083	Issue ID:	EFA-13083
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	<p>"efa tenant po show", "efa tenant vrf show", "efa tenant epg show", "efa tenant service mirror session show" doesn't show the configuration in cfg-refreshed state even though the configurations (which should have been present but) are not present on the SLX</p>		

Parent Defect ID:	EFA-13083	Issue ID:	EFA-13083
Condition:	Below are the steps to reproduce the issue 1. Configure fabric, tenant, po, vrf, epg, mirror session 2. Execute "efa system backup" 3. Delete the devices from inventory 4. Execute "efa system restore" using the backup taken in step 2 5. Execute "efa tenant po show", "efa tenant vrf show", "efa tenant epg show", "efa tenant service mirror session show"		
Recovery:	Execute "efa inventory device update --ip <device-ip>" and then check the output of "efa tenant po show", "efa tenant vrf show", "efa tenant epg show", "efa tenant service mirror session show" to see the configurations in cfg-refreshed state		

Parent Defect ID:	EFA-13187	Issue ID:	EFA-13187
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	EFA REST CLI to fetch list of tenants can fail with error "Error : Cannot find Tenant <tenant-name>" when there are large number of tenants and epgs configured on them.		
Condition:	When there are large number of tenants with ports spanning across 30+ devices with multiple EPGs configured, database access can be under heavy load causing the above error		
Workaround:	This is a transient error. Re-execute the same REST command. If this error is observed, information about individual tenant objects can be fetched by 'efa tenant show --name <tenant-name>'		
Recovery:	There is no recovery required as the EFA and SLX configurations are not altered as part of this issue		

Parent Defect ID:	EFA-13254	Issue ID:	EFA-13254
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.6.1
Symptom:	3 of EFA Pods fails Liveliness or Readiness checks causing Init containers to stop and causing crashloopback		

Parent Defect ID:	EFA-13322	Issue ID:	EFA-13322
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0

Parent Defect ID:	EFA-13322	Issue ID:	EFA-13322
Symptom:	At the end of upgrade, the installer displays a message associated with a fresh install and not an upgraded install. The installer will show "Extreme Fabric Automation Stack is now deployed and ready" instead of "Extreme Fabric Automation Stack has been upgraded successfully" This is harmless and the upgrade procedure is unaffected.		
Condition:	When a single-node installation of EFA is upgraded using the SLX CLI with-rollback option		

Parent Defect ID:	EFA-13370	Issue ID:	EFA-13370
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	No alert messages are sent to configured syslog relp subscribers when there is a failure while configuring inventory device interface settings such as admin state, speed, mtu etc.		
Condition:	The lack of logging occurs when there is a failure while configuring inventory device interface settings, such as a failure to establish connection to a device.		
Workaround:	The failure is logged in the inventory log file and can be reviewed there.		
Recovery:	After the failure condition is corrected there is no need for an alert message to be sent to configured syslog relp subscribers.		

Parent Defect ID:	EFA-14427	Issue ID:	EFA-14427
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.5
Symptom:	.FlexiLab - How to migrate EFA from one machine to other		

Parent Defect ID:	EFA-14773	Issue ID:	EFA-14773
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.6.1
Symptom:	efa system backup fabric failing with error "tls: bad record mac"		

Defects Closed without Code Changes

The following defects were closed in Extreme Fabric Automation 3.0.0.

Parent Defect ID:	EFA-9591	Issue ID:	EFA-9591
Reason Code:	Working as Designed	Severity:	S2 - Major
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.0
Symptom:	"efa fabric configure" fails with error after previously changing the fabric password in the configured fabric		
Condition:	This condition was seen when "efa fabric configure --name <fabric name>" was issued after modifying the MD5 password. Issue is observed when certain BGP sessions are not in an ESTABLISHED state after clearing the BGP sessions as part of fabric configure.		
Workaround:	Wait for BGP sessions to be ready by checking the status of BGP sessions using "efa fabric topology show underlay --name <fabric name>"		
Recovery:	Wait for BGP sessions to be ready. Check the status of BGP sessions using "efa fabric topology show underlay --name <fabric name>"		

Parent Defect ID:	EFA-12237	Issue ID:	EFA-12237
Reason Code:	Already Implemented	Severity:	S2 - Major
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.4
Symptom:	EPG update port-group-delete operation results in the runtime error "Execution error: service is not available or internal server error has occurred, please try again later"		

Parent Defect ID:	EFA-12237	Issue ID:	EFA-12237
Condition:	Below are the steps to reproduce the issue: 1. Create a BD based tenant under a CLOS or Non-CLOS fabric. 2. Create a BD based EPG (under the ownership of the tenant created in step 1) with some ctags and some member port-channels. 3. For the reasons unknown, the BD (Bridge Domain) configuration pertaining to one of the member port-channel got deleted from the EFA DB, causing the DB to be in an inconsistent state. 4. Execute EPG update "port-group-delete" operation to remove the member port-channel whose BD configuration is inconsistent.		
Recovery:	No recovery through EFA CLI. The inconsistent DB needs to be corrected by creating dummy BD (Bridge Domain) entries in the database followed by EPG update "port-group-delete".		

Parent Defect ID:	EFA-13281	Issue ID:	EFA-13281
Reason Code:	Not Reproducible	Severity:	S2 - Major
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	When 'efa system backup' command is executed with copy to the remote system enabled and the error 'local error: tls: bad record MAC' is seen.		
Workaround:	The backup will be copied to the remote location and the error is harmless.		

Parent Defect ID:	EFA-13584	Issue ID:	EFA-13584
Reason Code:	Not Reproducible	Severity:	S2 - Major
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	EFA failure during/after TPVM upgrade from 4.4.0 to 4.5.0-7		
Workaround:	None: The customer is expecting a new version of TPVM 20.4.1b patch. with TPVM 4.5.1. Reopen case if the issue persists.		

Parent Defect ID:	EFA-13993	Issue ID:	EFA-13993
	Configuration/User Error	Severity:	S3 - Moderate

Parent Defect ID:	EFA-13993	Issue ID:	EFA-13993
Reason Code:			
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	L3-ENG-ESC SEV: Medium - C3 Case#(02614144) Ericsson United states EFA 2.7.0 Installation of EFA Mutimode on Bare Metal External servers,EFA on VM1 status is down. ERROR 1045 (28000).		

Parent Defect ID:	EFA-14055	Issue ID:	EFA-14055
Reason Code:	Insufficient Information	Severity:	S3 - Moderate
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.5
Symptom:	EFA: Resource temporarily unavailable		

Parent Defect ID:	EFA-14577	Issue ID:	EFA-14577
Reason Code:	Not a Software Defect	Severity:	S2 - Major
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.5
Symptom:	FlexiLab - initial EFA installation failed		

Parent Defect ID:	EFA-14615	Issue ID:	EFA-14615
Reason Code:	Question Answered	Severity:	S3 - Moderate
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	Incomplete route map config add to EFA after upgrade from CNIS 1.4 to 1.6		

Parent Defect ID:	EFA-14784	Issue ID:	EFA-14784
Reason Code:	Third Party Issue	Severity:	S2 - Major
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.6.1
Symptom:	HTTPS connection refused while registering device in EFA even after HTTP restart on SLX		
Recovery:	Its tracked from SLX defect		

Open Defects

The following defects are open in Extreme Fabric Automation 3.0.0.

Parent Defect ID:	EFA-9570	Issue ID:	EFA-9570
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.0
Symptom:	Add Device Failed because ASN used in border leaf showing conflict		
Condition:	If there are more than one pair of Leaf/border leaf devices then devices which are getting added first will get the first available ASN in ascending order and in subsequent addition of devices if one of device is trying to allocate the same ASN because of brownfield scenario then EFA will throw an error of conflicting ASN		
Workaround:	Add the devices to fabric in the following sequence 1)First add devices that have preconfigured configs 2)Add remaining devices that don't have any configs stored		
Recovery:	Removing the devices and adding the devices again to fabric in following sequence 1)First add devices that have preconfigured configs 2)Add remaining unconfigured devices.		

Parent Defect ID:	EFA-10062	Issue ID:	EFA-10062
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.0
Symptom:	Removing a device from Inventory does not clean up breakout configuration on interfaces that are part of port channels.		
Condition:	This condition occurs when there is breakout configuration present on device that is being deleted from Inventory, such that those breakout configurations are on interfaces that are part of port-channels		
Workaround:	Manually remove the breakout configuration, if required.		
Recovery:	Manually remove the breakout configuration, if required.		

Parent Defect ID:	EFA-10063	Issue ID:	EFA-10063
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.0
Symptom:	Deleting device from EFA Inventory does not bring up the interface to admin state 'up' after unconfiguring breakout configuration		

Parent Defect ID:	EFA-10063	Issue ID:	EFA-10063
Condition:	This condition occurs when there is a breakout configuration present on the device that is being deleted from EFA Inventory		
Workaround:	Manually bring the admin-state up on the interface, if required		
Recovery:	Manually bring the admin-state up on the interface, if required		

Parent Defect ID:	EFA-12784	Issue ID:	EFA-12784
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	<p>After fabric configure if lldp links on slx devices are manually made no shut, "efa fabric debug config-gen-reason --name <fabric-name> --device <device-ip>" will display added entries for device. After sometime even if devices are shown as cfg-in-sync in "efa fabric show", "efa fabric debug config-gen-reason --name <fabric-name> --device <device-ip>" will display the added lldp entries.</p> <p>Again if other lldp links of the same device are added, "efa fabric debug config-gen-reason <>" command will display the previously added entries along with the newly added lldp entries.</p>		
Condition:	<ol style="list-style-type: none"> 1) Create and configure clos/non-clos fabric 2) Add new lldp links between any two devices of the fabric 3) Execute "efa inventory device update", followed by "efa fabric show" and "efa fabric debug config-gen-reason" 4) Again add new lldp links between the same devices of the fabric 5) Execute "efa inventory device update", followed by "efa fabric show" and "efa fabric debug config-gen-reason" 6) LLDP entries added in both step (2) and step (4) are displayed in "efa fabric debug config-gen-reason" 		
Recovery:	The inconsistency between the output of "efa fabric show" and "efa fabric debug config-gen-reason" has no functional impact. Subsequent execution of "efa fabric configure" command will bring the consistency in the outputs.		

Parent Defect ID:	EFA-12792	Issue ID:	EFA-12792
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	Considering D1 and D2 are the connected fabric devices when the "ip address" configuration is removed from a fabric interface of D1, the device D2 will be marked as cfg-refreshed		

Parent Defect ID:	EFA-12792	Issue ID:	EFA-12792
Condition:	Below are the steps to reproduce the issue: 1) D1 and D2 are the connected fabric devices. "ip address" configuration from a fabric interface is removed manually from the fabric device D1 2) Trigger DRC on the device D1 or re-configure the ip address (removed in step 1) on the fabric device D1 3) Fabric device D2 connected to the device D1 will move to cfg-refreshed state		
Workaround:			
Recovery:	Either wait for auto-update or manually perform inventory update. CLI to perform manual recovery "efa inventory device update --ip <remoted-device-ip>" Note: The app state of the device D2 will be marked as cfg-in-sync in the subsequent cycle of inventory device update which is auto-triggered every 30 minutes.		

Parent Defect ID:	EFA-13124	Issue ID:	EFA-13124
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	When endpoint group create or update operation REST requests of multiple endpoint groups each with 50+ ctags are issued concurrently, one or two of the requests can fail with "Error 1452: Cannot add or update a child row: a foreign key constraint fails" or with an error indicating database timeout or an error indicating failure of network property delete.		
Condition:	When multiple endpoint group requests are processed concurrently, some of the database requests initiated by EFA can cause database to abort one of the request with the above mentioned error		
Workaround:	Execute the commands sequentially		
Recovery:	EFA database and SLX device configurations are always not affected by this error and hence no recovery is required. The failed commands shall be rerun sequentially to successful completion of the expected operations		

Parent Defect ID:	EFA-13171	Issue ID:	EFA-13171
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0

Parent Defect ID:	EFA-13171	Issue ID:	EFA-13171
Symptom:	<p>After fabric configure, when neighbor device goes down or comes up, based on how other devices are connected to it, events are triggered on the affected (connected) devices where few validations are done and errors if found are stored for each device. These errors can be seen in "efa fabric error show --name <fabric-name>" output. If DRC is performed on any of these devices having errors and if drift and reconcile are success, then the device will be shown as cfg in-sync state in "efa fabric show" output but errors will continue to exist for the device in "efa fabric error show" output</p> <p>Note: The inconsistency between the output of "efa fabric show" and "efa fabric error show" has no functional impact.</p>		
Condition:	<ol style="list-style-type: none"> 1) Create and configure clos 2) Bring one of the leaf node down (i.e. reload the device) 3) The affected (connected) devices will move to 'cfg refresh error' that can be seen in "efa fabric show" output and the actual errors can be seen in "efa fabric error show --name <fabric-name>" output 4) Perform DRC with reconcile option on one of the device in 'cfg refresh error' by executing "efa inventory drift-reconcile execute --ip <deviceIP> --reconcile" 5) If DRC is succeeds, then the "efa fabric show" output displays the above device (which was in 'cfg refresh error' state) in "cfg in-sync" state and "efa fabric error show" output will continue to display the errors that were seen for the same device in step (3) 		
Recovery:	Subsequent execution of "efa fabric configure" command will bring consistency in the outputs.		

Parent Defect ID:	EFA-13178	Issue ID:	EFA-13178
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	Fabric configuration failed to reconcile when DRC was on-going and user initiated a EFA backup		
Condition:	EFA's backup needs to stop services to ensure that the database is in quiet state, so that the backup is consistent.		
Workaround:	Users should run a backup after the devices are completed going through DRC		
Recovery:	Recovery would be to run DRC operation on that device again after the backup is completed.		

Parent Defect ID:	EFA-13339	Issue ID:	EFA-13339
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0

Parent Defect ID:	EFA-13339	Issue ID:	EFA-13339
Symptom:	The EFA notification service does not send a syslog alert message when an EFA inventory device firmware-download operation fails.		
Condition:	The user attempts to prepare a device for a firmware download using "efa inventory device firmware-download prepare add --ip <device IP>" when the device's management connectivity is unreachable.		
Workaround:	Although the syslog alert message is not available, both the CLI and REST response contain an appropriate error message about the reason for the firmware-download prepare error and the device's connectivity issue.		
Recovery:	None		

Parent Defect ID:	EFA-14289	Issue ID:	EFA-14289
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 3.0.0
Symptom:	When BGP or Static Prefix Independent Convergence is configured as disabled, Drift and Reconcile will not address a drifted state.		
Condition:	The condition is that Prefix Independent Convergence is configured as the default value of disabled on EFA, but the SLX has drifted off of the default value into enabled.		
Workaround:	Prefix Independent Convergence reconcile failure can be worked around by configuring as enabled or by avoiding configuring SLX manually off of the default disabled state.		
Recovery:	Prefix Independent Convergence drift must be reconciled on the SLX device.		

Parent Defect ID:	EFA-14407	Issue ID:	EFA-14407
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 3.0.0
Symptom:	Super spine devices continue to remain in cfg-refreshed state even after the invalid topology connections (i.e. superspine to superspine connections) are removed by disabling the LLDP links between the super spine devices followed by a DRC (Drift and Reconcile)		

Parent Defect ID:	EFA-14407	Issue ID:	EFA-14407
Condition:	Below are the steps to reproduce the issue 1. Configure a 5-stage CLOS fabric 2. Enable the LLDP link(s) between the superspine devices 3. App state of superspine devices moves to cfg-refresh-error 4. Disable the LLDP link(s) (which were enabled in step 2) between the superspine devices 5. App state of superspine devices moves to cfg-refreshed 6. Execute "efa inventory drift-reconcile execute --ip <device-ip> --reconcile" for the super-spine devices		
Recovery:	Execute "efa fabric configure --name <fabric-name>" so that the superspine devices move to cfg-in-sync state		

Parent Defect ID:	EFA-14474	Issue ID:	EFA-14474
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 3.0.0
Symptom:	During the device removal from fabric, the ip and ipv6 access-list configurations are not removed from the device		
Condition:	Below are the steps to reproduce the issue: 1) Configure 5-stage CLOS fabric 2) Create EPG of type port-profile on the spine/super spine devices along with port-profile ACLs 3) Remove spine/super spine device from fabric		
Recovery:	Manually remove the stale ip/ipv6 ACLs from the device		

Parent Defect ID:	EFA-14667	Issue ID:	EFA-14667
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 3.0.0
Symptom:	In a 5-stage clos, if border-leaf is not connected to super-spine and it is connected to one/more spine devices, validation succeeds without any error and fabric comes up		

Parent Defect ID:	EFA-14667	Issue ID:	EFA-14667
Condition:	1) Create a 5-stage clos fabric with border-leaf node connected to one/more spine devices and not connected to super-spine node 2) Configure fabric		
Recovery:	Separate the bordel-leaf from spine pod and connect directly to the super-spine pod		

Parent Defect ID:	EFA-14687	Issue ID:	EFA-14687
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 3.0.0
Symptom:	DRC will not identify the drift and hence will not reconcile the drifted configuration		
Condition:	Below are the steps to reproduce the issue: 1. Configure multi rack Non-CLOS fabric. 2. Manually remove the below set of configurations on device under router-bgp no neighbor 172.x.x.x password xxxx no neighbor 172.x.x.x update-source loopback 1 no neighbor 172.x.x.x peer-group overlay-ebgp-group address-family l2vpn evpn no retain route-target all 3. Execute "efa inventory drift-reconcile execute --ip <device-ip>"		
Recovery:	Manually reconfigure the removed configurations from the device		

Parent Defect ID:	EFA-14283	Issue ID:	EFA-14283
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 3.0.0
Symptom:	When the BGP peers are created with update source IPv6 values that are not in a compressed format or which have capitals in them (Example: fd00:1:950::A and fd00:1:950::0) followed by the execution of the DRC, then the bgp peers transition to cfg-refreshed state		
Condition:	Steps to reproduce: 1. Create a bgp peer with update source ip in non compressed format or with capitals 2. Do an inventory DRC with drift only 3. The bgp peers get into a refreshed state because of the update source ip mismatch		

Parent Defect ID:	EFA-14283	Issue ID:	EFA-14283
Workaround:	Create the bgp peers with compressed update source ips and without capitals		
Recovery:	Delete the bgp peer through EFA and recreate it through EFA using compressed update source ips and without capitals		

Help and Support

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For immediate support: (800) 998 2408 (toll-free in U.S. and Canada) or 1 (408) 579 2826. For the support phone number in your country, visit: www.extremenetworks.com/support/contact

Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number, or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any actions already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

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