Extreme Fabric Automation Release Notes

2.7.1

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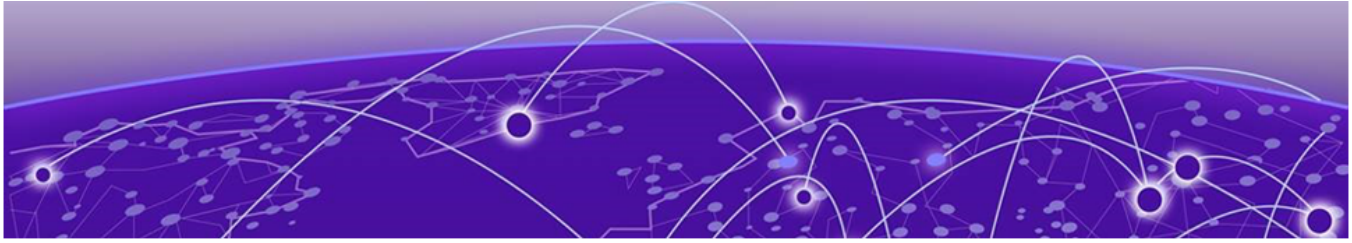

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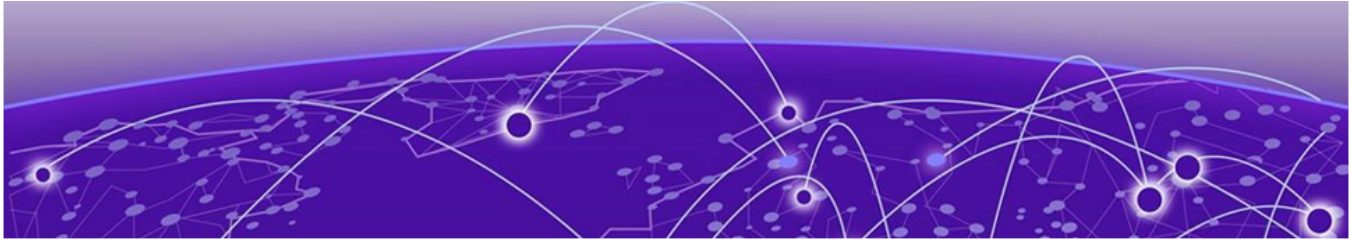

Release Notes

New In This Release

Extreme Fabric Automation 2.7.1 resolves several issues.

For more information, see Defects Closed with Code Changes on page 8.

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 1: Bare Metal Deployment Models

EFA Version	Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Server Requirements
2.4.x, 2.5.x, and 2.6.x, 2.7.x	External server (bare metal)	More than 24	Yes	16.04 and 18.04	• CPU: 4 cores • Storage: 50 GB • RAM: 8 GB

Table 2: OVA Deployment Models

EFA Version	Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Server Requirements
2.4.x, 2.5.x, 2.6.x (Secure mode), 2.7.x	External server (OVA)	More than 24	Yes	18.04	• CPU: 4 cores • Storage: 50 GB • RAM: 8 GB

Table 3: TPVM Deployment Models

EFA Version	TPVM Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Minimum SLX-OS Version
2.4.x	• SLX 9150 • SLX 9250 • SLX 9740	Up to 24	Yes	18.04	20.2.2b
2.5.x	• SLX 9150 • SLX 9250 • SLX 9740	Up to 24	Yes	18.04	20.2.3.f

Table 3: TPVM Deployment Models (continued)

EFA Version	TPVM Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Minimum SLX-OS Version
2.6.x	• SLX 9150 • SLX 9250 • SLX 9740 • Extreme 8520 • Extreme 8720	Up to 24	Yes	18.04	20.3.4
2.7.x	• SLX 9150 • SLX 9250 • SLX 9740 • Extreme 8520 • Extreme 8720	Up to 24	Yes	18.04	20.4.1

Table 4: TPVM Software Support

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

Table 4: TPVM Software Support (continued)

TPVM Version	SLX-OS 20.2.3 d/e/f	SLX-OS 20.3.2	SLX-OS 20.3.2a	SLX-OS 20.3.2 b	SLX-OS 20.3.2c	SLX-OS 20.3.2 d	SLX-OS 20.3.4/ 4a	SLX-OS 20.4.1	SLX-OS 20.4.1b	Ubuntu Version	EFA Version
4.5.0	No	No	No	No	No	No	No	Yes	No	18.04	2.7.0
4.5.1	No	No	No	No	No	No	No	No	Yes	18.04	2.7.1

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

Table 5: 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		✔	✔	✔	✔
Extreme 8720	20.3.x	✔	✔	✔	✔	✔
Extreme 8520	20.3.x	✔			✔	✔

Table 6: EFA, Neutron, and SLX-OS Compatibility

EFA Version	Neutron Version	SLX-OS Version
2.4.0, 2.4.1	3.0.0-23	20.2.3, 20.2.3a/b/c
2.4.2, 2.4.3, 2.4.4, 2.4.6	3.0.1-07	20.2.3d/e/f
2.5.0	3.1.0-15	20.3.2a
2.5.1, 2.5.2	3.1.1-04	20.3.2b
2.5.3	3.1.1-04	20.3.2c
2.5.4, 2.5.5	3.1.1-04	20.3.2d
2.6.0, 2.6.1	3.1.1-04	20.3.4, 20.3.4a
2.7.0	3.1.1-04	20.4.1
2.7.1	3.1.1-04	20.4.1b

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 2.7.1.

Parent Defect ID:	EFA-13158	Issue ID:	EFA-13158
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	"efa inventory drift-reconcile execute --ip <device-ip>" fails with the error "Error: Monitor session already configured"		

Parent Defect ID:	EFA-13158	Issue ID:	EFA-13158
Condition:	Below are the steps to reproduce the issue 1. Create a mirror session on an SLX device using EFA 2. Modify the mirror session configuration on SLX by changing any of the attributes e.g. source, destination, direction, etc. 3. Perform "efa inventory drift-reconcile execute --ip <device-ip> --reconcile"		
Recovery:	Delete existing monitor session from the device and then execute "efa inventory drift-reconcile execute --ip <device-ip>"		

Parent Defect ID:	EFA-13379	Issue ID:	EFA-13379
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	Some of the backup routing neighbors get stuck in cfg-refreshed state and the same can be seen in the DRC output		
Condition:	Below are the steps to reproduce the issue 1. Create and configure a fabric with backup routing enabled 2. Create a Tenant, a PO, 5 VRFs and 5 EPGs 3. Update the fabric setting (for the fabric created in step 1) with md5 password 4. Perform fabric configure		
Recovery:	1. Remove backup routing neighbor md5-password from the VRFs which are in cfg-refreshed state (as seen in the DRC output) 2. Execute DRC to reconcile the configs and to move the cfg-refreshed configurations to cfg-in-sync		

Parent Defect ID:	EFA-13535	Issue ID:	EFA-13535
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	SLX app-state stuck in cfg-error after toggling MCT cluster ports		
Condition:			
Workaround:	None		
Recovery:	Run device update when observed.		

Parent Defect ID:	EFA-13669	Issue ID:	EFA-13669
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	A "Tenable"scan detects the use of TL v 1.0 and 1.1.		
Condition:	A "Tenable" scan was done on EFA interfaces on TPVM showing the issue.		
Workaround:	None		
Recovery:	None		

Parent Defect ID:	EFA-13717	Issue ID:	EFA-13717
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	The command "efa inventory device interface list" for a particular interface will show oper state down when the SLX shows oper state up.		
Workaround:	None		
Recovery:	Run manual device update.		

Defects Closed without Code Changes

The following defects were closed in Extreme Fabric Automation 2.7.1.

Parent Defect ID:	EFA-12600	Issue ID:	EFA-12600
Reason Code:	Not a Software Defect	Severity:	S3 - Moderate
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.3.2
Symptom:	EFA certificates have expired or about to expire.		
Condition:	The issue will be observed if devices being added to fabric have IP addresses assigned on interfaces and these IP addresses are already reserved by EFA for other devices.		

Parent Defect ID:	EFA-12600	Issue ID:	EFA-12600
Workaround:	Delete the IP addresses on interfaces of devices having conflicting configuration so that new IP addresses can be reserved for these devices. One way to clear the device configuration is using below commands: 1. Register the device with inventory efa inventory device register --ip <ip1, ip2> --username admin --password password 2. Issue debug clear "efa fabric debug clear-config --device <ip1, ip2>"		

Recovery:	Perform the following steps to renew EFA certificates on 2.3.x and 2.4.x.
	1. cd /apps/efa/efacerts
	2. Generate a new certificate using the tls.key from <IP>-certs folder
	# openssl req -new -sha256 -key <IP>-certs/tls.key -subj "/
	CN=efa.extremenetworks.com" | openssl x509 -req -sha256 \
	-CA /apps/efa/efacerts/extreme-ca.cert.pem \
	-CAkey /apps/efa/efacerts/extreme-ca.key.pem \
	-CAcreateserial \
	-out newtls.crt -days 365 \
	-extensions v3_req -extfile /apps/efa/efacerts/extreme-openssl.cnf-san
	3. Install the new certificate into traefik using the following shell script
	# if ./install_efa_certs_st.sh --cert /apps/efa/efacerts/newtls.crt --key /apps/efa/
	efacerts/<IP>-certs/tls.key ; then
	cp newtls.crt <IP>-certs/tls.crt
	cp newtls.crt /apps/efadata/certs/own/tls.crt
	echo SUCCESS
	fi
	4. Wait for the traefik pod to restart (1-2min)
	5. Restart the running goraslog pod		

Parent Defect ID:	EFA-13367	Issue ID:	EFA-13367
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	DRC does not restore config after MCT PO member port shutdown manually in SLX		
Condition:	Execute in device command 'shutdown' of member port of MCT PO. EFA device update brings the device to 'cfg-refresh' Execute Drift-reconcile for device does not bring the member port back up ie 'no shutdown' is not issued on member port interface.		
Workaround:	Execute on device 'no shutdown' on the interface manually on the device.		
Recovery:	Execute 'efa fabric configure' for fabric to bring devices in efa to in-sync state.		

Parent Defect ID:	EFA-13588	Issue ID:	EFA-13588
Reason Code:	Working as Designed	Severity:	S3 - Moderate
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	efa tenant vrf update - Updation of the OOB Static Routes is not supported		

Parent Defect ID:	EFA-13588	Issue ID:	EFA-13588
Condition:	An enhancement was introduced in EFA 2.7.0 where the user is restricted to update/ delete out of band SR/SR-BFD through EFA so the mentioned behavior in the defect is expected. This enhancement is to let the user know which SR/SR-BFD is configured out of band. Out of band SR/SR-BFDs configuration can only be deleted/updated explicitly from switch it self and same will be reflected in EFA with inventory device update of that device.		
Recovery:	None: Working as designed		

Parent Defect ID:	EFA-13643	Issue ID:	EFA-13643
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.4
Symptom:	After recovery procedure for 2 EFA certificates show efa status as down on both nodes		
Condition:	There is an issue in the published article to stop the monitor service instead of efamonitor service. So, the certificate renewal script didn't finish to completion. It didn't redeploy RASlog daemonset. Since all the pods are not available, efa status was showing the node status as down. The article will be updated with the required changes.		
Recovery:	Documents updated: EFA from 2.3.2 up to 2.6.x https://extremeportal.force.com/ExtrArticleDetail?an=000104838 EFA from 2.7.x These can be used for certificate renewal in EFA. **Recovery:** Below documents have been updated with the correct procedure: https://extremeportal.force.com/ExtrArticleDetail?an=000102994		

Open Defects

The following defects are open in Extreme Fabric Automation 2.7.1.

Parent Defect ID:	EFA-9439	Issue ID:	EFA-9439
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.5.0
Symptom:	Dev-State and App-State of EPG Networks are not-provisioned and cfg-ready		

Parent Defect ID:	EFA-9439	Issue ID:	EFA-9439
Condition:	Below are the steps to reproduce the issue: 1) Create VRF with local-asn 2) Create EPG using the VRF created in step 1 3) Take one of the SLX devices to administratively down state 4) Perform VRF Update "local-asn-add" to different local-asn than the one configured during step 1 5) Perform VRF Update "local-asn-add" to the same local-asn that is configured during step 1 6) Admin up the SLX device which was made administratively down in step 3 and wait for DRC to complete		
Workaround:	No workaround as such.		
Recovery:	Following are the steps to recover: 1) Log in to SLX device which was made admin down and then up 2) Introduce local-asn configuration drift under "router bgp address-family ipv4 unicast" for the VRF 3) Execute DRC for the device		

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-9591	Issue ID:	EFA-9591
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.		

Parent Defect ID:	EFA-9591	Issue ID:	EFA-9591
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-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		
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-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:	Below are the steps to reproduce the issue: 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:	Recovery way 1: 1. Delete EPG1. 2. EPG2 update with port-group add D1P2 and then remove D1P2 from EPG. After the port removal D1P2 (last-port) vrf will be removed from the device. Recovery way 2: Manually remove the vrf from the device.. Inventory update.		

Parent Defect ID:	EFA-12237	Issue ID:	EFA-12237
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"		
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-12710	Issue ID:	EFA-12710
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	With rollback , Multi-node upgrade with node replacement is not supported. 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 "With rollback , replacement upgrade not supported Do you wish to restart the install? (yes/no)"		
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:	When the installer prompts, 1) Multi Node Build Upgrade and 2) Multi Node Build Upgrade With Node Replacement . if User presses option 2 , Installer promtps "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		
Recovery:	When the installer prompts, 1) Multi Node Build Upgrade and 2) Multi Node Build Upgrade With Node Replacement . if User presses option 2 , Installer promtps "With rollback , replacement upgrade not supported Do you wish to restart the install? (yes/no)" User can input no to halt the installation		

Parent Defect ID:	EFA-12777	Issue ID:	EFA-12777
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	"efa inventory drift-reconcile execute --ip <device-ip>" fails with the status "tenant-dr-timeout" as the time taken to reconcile the scale drifted tenant configuration is beyond the timeout		
Condition:	Below are the steps to reproduce the issue: 1. Introduce drift w.r.t the scaled tenant configuration e.g. 100 POs, 100 VRFs, 200 EPGs (with around 100 ctags), 300 BGP Peers, 100 BGP Peer-Groups 2. Execute "efa inventory drift-reconcile execute --ip <device-ip>"		
Workaround:	No workaround		
Recovery:	Below steps needs to be re-executed on the device for which the DRC had failed with the status "tenant-dr-timeout" 1. "efa inventory device update --ip <device-ip>" 2. "efa inventory drift-reconcile execute --ip <device-ip>"		

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 preforming DRC in maintenance mode on reboot state, the Prefix Independent Convergence fails to detect refreshed state.		

Parent Defect ID:	EFA-12823	Issue ID:	EFA-12823
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 allow drift detection to function.		

Parent Defect ID:	EFA-13036	Issue ID:	EFA-13036
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	EFA created Mirror Session with Global VLANs as the source is not deleted		
Condition:	Below are the steps to reproduce the issue: 1) Create Tenant and EndpointGroup with ctag-range 2) Create Mirror Session with Global VLANs (VLANs to be chosen from the ctag-range mentioned in step 1) as a mirror source 3) Delete EndpointGroup (created in Step1) with the force option		
Workaround:	No workaround		
Recovery:	Delete Mirror Session using "efa tenant service mirror session delete -- tenant <tenant-name> --name <mirror-session-name>"		

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

Parent Defect ID:	EFA-13083	Issue ID:	EFA-13083
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	"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		
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-13124	Issue ID:	EFA-13124
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0

Parent Defect ID:	EFA-13124	Issue ID:	EFA-13124
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 may 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 may 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-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 once the devices are completed going through DRC		
Recovery:	Recovery would be to run DRC operation on that device again once the backup is completed.		

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 may 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		

Parent Defect ID:	EFA-13187	Issue ID:	EFA-13187
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 / Readiness checks causing Init containers to stop and causing crashloopback		
Workaround:	None		

Parent Defect ID:	EFA-13281	Issue ID:	EFA-13281
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-13291	Issue ID:	EFA-13291
Severity:	S2 - Major		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	Trusted-Peer IP is configured as its own TPVM IP address during tpvm-upgrade		

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-13339	Issue ID:	EFA-13339
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
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-13362	Issue ID:	EFA-13362
Severity:	S3 - Moderate		
Product:	Extreme Fabric Automation	Reported in Release:	EFA 2.7.0
Symptom:	If the use manually removes "member-vlan-all" or " member-bd-all", from the SLX followed by DRC, then the entire cluster configuration will be deleted and recreated.		
Condition:	1. Create a single rack fabric 2. If the use manually removes "member-vlan-all" or " member-bd-all", from the SLX followed by DRC.		
Workaround:	Manually restore the member-vlan or member-bridge-all configuration in cluster.		

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.		

Parent Defect ID:	EFA-13370	Issue ID:	EFA-13370
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:	Once the failure condition is corrected there is no need for an alert message to be sent to configured syslog relp subscribers.		

Help and Support

If you require assistance, contact Extreme Networks using one of the following methods:

Extreme Portal

Search the GTAC (Global Technical Assistance Center) knowledge base; manage support cases and service contracts; download software; and obtain product licensing, training, and certifications.

The Hub

A forum for Extreme Networks customers to connect with one another, answer questions, and share ideas and feedback. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.

Call GTAC

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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