

ExtremeCloud[™] Orchestrator Release Notes

Version 3.3.1



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Release Notes

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New In This Release

ExtremeCloud Orchestrator 3.3.1 introduces the following feature and resolves a few issues through defect fixes. For information about XCO deployment, refer to the *ExtremeCloud Orchestrator Deployment Guide, 3.3.0.*



Note

In release 3.2.0 and later, Extreme Fabric Automation (EFA) is referred to as ExtremeCloud Orchestrator (XCO). The terms EFA and XCO refer to the same product and are used interchangeably.

Table 1: Features and Improvements

Feature	Description
Multi protocol BGP configuration	Enable or disable IPv6 prefix over IPv4 peer for all BGP peer groups in the system. For more information, refer to the <i>ExtremeCloud</i> <i>Orchestrator CLI Administration Guide, 3.3.1</i> .

For other additional information, see Defects Closed with Code Changes on page 13.

Supported Platforms and Deployment Models for Fabric Skill

Support includes Server, Open Virtual Appliance (OVA), and TPVM deployment models, supported TPVM versions, supported SLX-OS software versions, and supported SLX devices.



Note

- OVA deployment model does not support HA.
- As a best practice, refer to the following Extreme validated support matrices for support platforms and deployment models information.

Table 2: Server Deployment Models

XCO Version	Managed SLX Devices	Multi-Fabric Support	Ubuntu Server Version	Virtual Machine
3.1.x	More than 24	Yes	16.04, 18.04, and 20.04	 CPU: 4 cores Storage: 64 GB RAM: 8 GB
3.2.x	More than 24	Yes	18.04 and 20.04	 CPU: 4 cores Storage: 64 GB RAM: 8 GB
3.3.x	More than 24	Yes	18.04 and 20.04	 CPU: 4 cores Storage: 64 GB RAM: 8 GB

Table 3: OVA Deployment Models

XCO Version	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Virtual Machine
3.1.x	More than 24	Yes	18.04	 CPU: 4 cores Storage: 64 GB RAM: 8 GB
3.2.x	More than 24	Yes	18.04	 CPU: 4 cores Storage: 64 GB RAM: 8 GB
3.3.x	More than 24	Yes	20.04 LTS	CPU: 4 coresStorage: 64 GB

Table 3: OVA Deployment Models (continued)

XCO Version	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Virtual Machine
				• RAM: 8 GB

Table 4: TPVM Deployment Models

XCO Version	TPVM Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Minimum SLX-OS Version
3.2.x	 SLX 9150 SLX 9250 SLX 9740 Extreme 8520 Extreme 8720 Extreme 8820 (20.4.3 and later) 	Up to 24	Yes	18.04	20.4.3
3.3.0	 SLX 9150 SLX 9250 SLX 9740 Extreme 8520 Extreme 8720 Extreme 8720 Extreme 8820 (20.4.3 and later) 	Up to 24	Yes	20.04 LTS	20.5.2
3.3.1	 SLX 9150 SLX 9250 SLX 9740 Extreme 8520 Extreme 8720 Extreme 8820 (20.4.3 and later) 	Up to 24	Yes	20.04 LTS	20.5.2a

Table 5: TPVM Software Support

XCO Version	TPVM Version	SLX-OS Version
3.1.0	4.5.6	20.4.2a
3.1.1	4.5.8	20.4.3
3.2.0	4.5.10	20.4.За
3.2.1	4.5.12	20.5.1

Table 5: TPVM Software Support (continued)

XCO Version	TPVM Version	SLX-OS Version
3.3.0	4.6.2	20.5.2
3.3.1	4.6.4	20.5.2a

Table 6: IP Fabric Topology Matrix

Device	SLX-OS Release	Leaf	Spine	Super Spine	Border Leaf	Small DC Fabric
SLX 9150	20.2.x, 20.3.x, 20.4.x	v				~
SLX 9250	20.2.x, 20.3.x, 20.4.x	V	¥	¥		~
SLX 9540	20.2.x, 20.3.x, 20.4.x	~			~	
SLX 9640	20.2.x, 20.3.x, 20.4.x				~	
SLX 9740	20.2.x, 20.3.x, 20.4.x		~	~	~	~
Extreme 8720	20.3.x, 20.4.x	V	v	v	~	~
Extreme 8520	20.3.x, 20.4.x	~			~	~
Extreme 8820	20.4.3		¥	¥	¥	¥

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

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

Supported Platforms and Deployment Models for Visibility Skill

Support includes Server, OVA, and supported devices and software.



- Upgrade from XVM (Extreme Visibility Manager) to XCO is not supported.
- XCO supports only a fixed set of special characters for hostnames. Any additional characters configured in MLX or SLX are reconciled in XCO and can be edited or deleted. Any configuration name must start with an alphanumeric character and can contain a-z A-Z 0-9 _ -.

Table 8: Ubuntu Server Version

XCO Version	Ubuntu Version	Virtual Machine
3.1.x	18.04 and 20.04	Minimum: • CPU: 4 cores • Storage: 128 GB • RAM: 8 GB
		Recommended: • CPU: 16 cores • Storage: 200 GB • RAM: 32 GB
3.2.x	18.04 and 20.04	Minimum:CPU: 4 coresStorage: 128 GBRAM: 8 GB
		Recommended: • CPU: 16 cores • Storage: 200 GB • RAM: 32 GB

XCO Version	Ubuntu Version	Virtual Machine
3.3.x	18.04 and 20.04	Minimum: • CPU: 4 cores • Storage: 128 GB • RAM: 8 GB
		Recommended: • CPU: 16 cores • Storage: 200 GB • RAM: 32 GB
3.4.0	18.04 and 20.04	Minimum: • CPU: 4 cores • Storage: 128 GB • RAM: 8 GB
		Recommended: • CPU: 16 cores • Storage: 200 GB • RAM: 32 GB

Table 8: Ubuntu Server Version (continued)

Table 9: OVA Deployment Models

XCO Version	Ubuntu Version	Virtual Machine
3.1.x	18.04	Minimum: • CPU: 4 cores • Storage: 64 GB • RAM: 8 GB
3.2.x	18.04	 Minimum: CPU: 4 cores Storage: 64 GB RAM: 8 GB

XCO Version	Ubuntu Version	Virtual Machine
3.3.x	20.04 LTS	Minimum: • CPU: 4 cores • Storage: 64 GB • RAM: 8 GB
3.4.0	20.04 LTS	Minimum: • CPU: 4 cores • Storage: 64 GB • RAM: 8 GB

Table 9: OVA Deployment Models (continued)

Table 10: Supported Devices and Software

Device	Supported Software
Extreme 9920	Extreme 9920 software with the NPB application 21.1.2.x
Extreme Routing MLX Series	NetIron 6.3.00 patches
Extreme Switching SLX 9140	SLX-OS 18s.1.03 patches
Extreme Switching SLX 9240	SLX-OS 18s.1.03 patches

XCO Upgrade Prerequisites

Prerequisites for XCO upgrade process with the default gateway changed:

- 1. Ensure that no DNS configuration exists under TPVM config and resolv.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, extr-granite.py bundled with EFA 2.6.1 will not automatically modify the above mentioned parameters.

Known Limitations

Note the following caveat for this release of ExtremeCloud Orchestrator.

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

Known Limitations in Fabric Skill

Follow these caveats and limitations when using Fabric Skill.

VRF delete from EPG and re-adding VRF to EPG fails intermittently

Symptom	Condition Workaround	
Endpoint group (EPG) update vrf-add operation fails with the reason as VRF to be added has conflicting VRF on the switch.	Run EPG update vrf-add , vrf-delete , and vrf-add operation CLI in quick succession:	Wait of 30 seconds between the EPG update vrf-add and vrf-delete operations on the same EPG.
VRF on the switch.	 Update EPG for operation vrf-add. 	EPO.
	 Update EPG for operation vrf-delete. 	
	 Update the same EPG again with operation vrf-add for the same VRF which was deleted in step 2. 	

REST operations are not retried (as applicable) during the service boot

Symptom	Condition	Workaround
REST operations are not retried (as applicable) during the service boot up.	After publishing the necessary events on the message bus, the status for the REST operations are nit set automatically.	Manually set the status for all REST operations.

RBAC: XCO shows "export EFA_TOKEN" command suggestion when a tenant user logs in

Symptom	Condition	Workaround
XCO shows a export EFA_TOKEN message after a tenant user with RBAC logs in to the system.	When a user is created with the default login shell as sh.	

EFA Token command message

Please type this in your shell:

export

EFA_TOKEN=eyJhbGciOiJSUzI1NiIsImtpZCI6IjEuMCIsInR5cCI6IkpXVCJ9.eyJjb21tb 25fbmFtZSI6IkVGQSBUb2tlbiBTZXJ2aWNlIiwidWFzIjpbeyJ0YXJnZXQiOiJFRkEiLCJyb 2xlIjoiVlIyLVRudEFkbWluIn1dLCJvcmciOiJFeHRyZW11IE5ldHdvcmtzIiwidmVyIjoiM S4wIiwiaWQiOiIiLCJleHAiOjE2NDUyNDcxNDIsImp0aSI6IjZjMjA4ZDUxLTkwNzgtMTFlY y1iZjk5LWNhNzk1MDY1YzIwNyIsImlhdCI6MTY0NTE2MDc0MiwiaXNzIjoiRUZBIFRva2VuI FN1cnZpY2UiLCJuYmYiOjE2NDUxNjA3NDIsInN1YiI6InVzZXIyIn0.b7m5PINijeEdNSqnT eE2ZhUrqKLKQAu079vXyBIdgHbXKt9ULfa03vMU1jfB01qFb1x0oHmsAQ0pSsF5JLeMaMzMf1Lf78ktZ08U5IePq72vM5en35IR-

DNLyoGIZBeFeG6ZbBMoETzz5vf9OuefgQID3YdjcALr7yllCgDmLVFlgson77yCBpkTK15xm 1GRbtL7JKXZzShBE7E3kdW7N71MdM85Gc3r4l-c8sfz7eo06gKrfTq9wXCv4_LVzR6-KRSg6NyLq363WEpcK1A2Hs0Wo3T9TpquYHNaCWA5I1QTsG-

RHFdg4kxZP2fQpUp6Bgy1s6k59PVPn4-M-a8lA- Time Elapsed: 4.619465187s-

XCO CLI or REST request with scale config takes longer than 15 minutes fails

Symptom	Condition	Workaround
Tenant2 delete is successful whereas deleting Tenant1 took more than 15 minutes and failed with the following message:	When you try to delete tenants in a single rack small data center deployment configured with scale tenant config	Any CLI or REST tenant operations, and any fabric operations taking more than 15 minutes, will timeout at the client side.
Error : service is not available or internal server error has occurred, please try again later		The operation completes in the background. Run the efa tenant show command to view the
Tenant service was running.		actual state of the
Tenant1 was not available after the error.		operation.

Known Limitations in Visibility Skill

Follow these caveats and limitations when using the Visibility Skill.

LAG created when port channel deployment fails

Any changes to ExtremeCloud Orchestrator configuration are reverted when a port channel deployment fails. However, a link aggregation group (LAG) is created on the device. The LAG is immediately deleted, but you can see the creation and deletion of a LAG in the device logs.

MLX UDA profile must be associated with an ingress group if the policy contains a UDA match

(MLX only) When you create an ingress group and associate it with an ingress policy, you must also associate the group with a UDA profile if the ingress policy contains a UDA match. For more information, see ExtremeCloud Orchestrator GUI Admin Guide.

Firmware upgrade requires an absolute path to image locations

In the **Absolute Path** field, enter the complete file path to the location of the firmware image. The following are sample file paths for the various supported devices.

- Extreme 9920 (absolute path to the binary file): /root/TierraOS--NPB.bin
- SLX (absolute directory path where supported image files are located): /root/ slxos18s.1.03/slxos18s.1.03a
- MLX (path to the manifest file): XMR-MLX/MLX_npb_06200_mnf.txt

For more information, see ExtremeCloud Orchestrator GUI Admin Guide.

Device discovery

XCO deployed in packet broker mode supports device discovery notifications only for packet broker devices.

Listener policy byte count is incorrect when truncation is enabled

On the Extreme 9920 device, the byte count for truncated packets is the actual byte count seen by the egress ACL before truncation.

Defects Closed with Code Changes

The following defects were resolved in ExtremeCloud Orchestrator 3.3.1.

Parent Defect ID:	XCO-8481	Issue ID:	XCO-8481
Product:	хсо	Reported in Release:	XCO 3.2.1
Symptom:	'Failed.' message is seen during upgrade from XCO-3.2.1 to 3.3.0.		
Condition:	Upgrade from XCO-3.2.1 to 3.3.0 fails when static IPs for sub interfaces were configured in 3.2.1.		
Workaround:	Upgrade from 3.2.1 to 3.3.1.		

Parent Defect ID:	XCO-8598	Issue ID:	XCO-8598
Product:	хсо	Reported in Release:	XCO 3.3.0
Symptom and Condition:	LDAP over TLS port 389 - TLS handshake failed		

Parent Defect ID:	XCO-8722	Issue ID:	XCO-8722
Product:	ХСО	Reported in Release:	XCO 3.2.0
Symptom:	After upgrading to XCO 3.2.0 or later, RabbitMQ logs are not rotating. There is only a single log file that continues to grow.		
Condition:	Upgrade to XCO 3.2.0 or 3.2.1 from any older releases.		

Parent Defect ID:	XCO-8722	Issue ID:	XCO-8722
Workaround	Need to manually add the RabbitMQ log rotation into Linux logrotate. Workaround steps are available at https://extreme- networks.my.site.com/ExtrArticleDetail?an=000114372		
Recovery	Apply the workaround to recover the setup or upgrade to latest XCO image (where the fix is available).		

Defects Closed without Code Changes

No defects were closed without code changes in this release of the software.

Open Defects

The following defects are open in ExtremeCloud Orchestrator 3.3.1.

Parent Defect ID:	XCO-3445	Issue ID:	XCO-3445
Product:	ХСО	Reported in Release:	EFA 3.0.0
Symptom:	DRC will not identify the drift and hence will not reconcile the drifted configuration		
Condition:	router-bgp no neighbor 172.x.x.x pas no neighbor 172.x.x.x up no neighbor 172.x.x.x per address-family 12vpn ev no retain route-target a	Non-CLOS fabric. below set of configuration ssword xxxx date-source loopback 1 er-group overlay-ebgp-gro pn	oup
Recovery:	Manually reconfigure the removed configurations from the device		

Parent Defect ID:	XCO-3471	Issue ID:	XCO-3471
Product:	ХСО	Reported in Release:	EFA 3.1.0
Symptom:	Stale BGP Peer-group entry configured under router BGP on SLX Border leaf and Spine devices with none of the BGP neighbors linked with the Peer group.		

Parent Defect ID:	XCO-3471	Issue ID:	XCO-3471
Condition:	border-leaf and configur 2. Convert the 3-stage Cl fabric migrate command "efa fabric migratetype destination-3-stage-lea border-leaf-pod <pod-na 3. Add super-spine POD</pod-na 	LOS fabric to a 5-stage CL d = "3-to-5-stage"source-f af-spine-pod <pod-name> ame>" devices to the migrated 5 rLeaf to Spine links and re</pod-name>	OS fabric using the abric <source-fabric> destination-3-stage- 5-stage CLOS fabric</source-fabric>
Recovery:	Manually delete the stale BGP peer-groups from both the Border Leaf and Spine devices		ooth the Border Leaf

Parent Defect ID:	XCO-4127	Issue ID:	XCO-4127		
Product:	ХСО	Reported in Release:	EFA 3.0.0		
Symptom:	Ports are not listed in t	Ports are not listed in the port-channel creation for SLX NPB devices			
Condition:	Even though the ports are not used in any other configurations, the ports are not listed in the port-channel creation. For these ports, speed is set to auto-negotiation, and ports are not connected with cable.				
Workaround:	For breakout ports, make sure that cables are connected so that port speed will be updated.				
Recovery:	N/A				

Parent Defect ID:	XCO-4128	Issue ID:	XCO-4128
Product:	хсо	Reported in Release:	EFA 3.0.0
Symptom:	Port-channel partial configuration are present on device for SLX NPB devices		
Condition:	Port-channel configuration failed from UI, on device still the partial configuration is present.		
Workaround:	Make sure that all the configuration information are correctly populated from UI so that configuration will not fail on device.		
Recovery:	Login to SLX CLI and delete the given port channel and select refresh configuration on XCO UI from the device action list.		

Parent Defect ID:	XCO-4129	Issue ID:	XCO-4129
	ХСО	Reported in Release:	EFA 3.0.0

Parent Defect ID:	XCO-4129	Issue ID:	XCO-4129	
Product:				
Symptom:	Disable of vn-tag header strip and enabling of 802.1BR header strip fails from XCO GUI for SLX NPB			
Condition:	When vn-tag header strip is enabled on an interface, disabling the vn-tag header strip and enabling the 802.1BR header strip in a single operation fails from XCO GUI.			
Workaround:	Disable the vn-tag header strip in first operation (save the port update) and then edit port again for enabling 802.1BR header strip option.			
Recovery:	NA			

Parent Defect ID:	XCO-4146	Issue ID:	XCO-4146
Product:	хсо	Reported in Release:	EFA 2.7.2
Symptom:	The fabric devices continue to remain in cfg-refresh-err state after the tpvm fail over.		

Parent Defect ID:	XCO-4146	Issue ID:	XCO-4146		
Condition:	1.Fabric devices are already in cfg-refresh-err state due to LLDP Link down(LD) event.				
	2. Bring up the LLDP link refresh-err state.	s responsible for the fabr	ic devices to be in cfg-		
		over by 'tpvm stop' and 'tr (LA) event handling caus			
Recovery:	1The user triggers LD/LA event by flapping the interface links which are the devices are in the cfg-refreshed state even though DRC wouldn't help out to recover the device to the cfg-sync state and the pending reason is "LA/LD".				
	1.1. "shutdown" the interface link on the physical link on Devices follow by "efa inventory device updateip <device-ip>", which generates LD events</device-ip>				
	21 "no shutdown" the interface link on the physical link on Devices follow by "efa inventory device updateip <device-ip>", which generates LA events</device-ip>				
	1.3. If the pending config contains "LA" : Execute "efa inventory drift- reconcile executeip <device-ip>reconcile" on the devices which are in cfg-refresh-err /cfg-refreshed state [or] IF the pending config contains "LD,LA" : Execute "efa fabric configurename <fabric-name>" to clean up the configuration on devices which are in cfg-refresh-err /cfg-refreshed state.</fabric-name></device-ip>				
	[OR]				
	2. The user reboots the devices without maintenance mode which are the devices are in cfg-refreshed state even though DRC wouldn't help out to recover the device to the cfg-sync state.				
		without out maintenance			
		ry drift-reconcile execute s which are in cfg-refresh			

Parent Defect ID:	XCO-5263	Issue ID:	XCO-5263
Product:	ХСО	Reported in Release:	EFA 3.1.0
Symptom:	Failed to report telemetry not streamed from device		
Condition:	When SLX device is discovered from XCO and statistics are getting streamed using telemetry service. Device is not sending statistics using telemetry service.		
Workaround:	Select the individual device and verify the statistics are streaming from device.		

Parent Defect ID:	XCO-6172	Issue ID:	XCO-6172
	ХСО	Reported in Release:	XCO 3.2.0

Parent Defect ID:	XCO-6172	Issue ID:	XCO-6172	
Product:				
Symptom:	SLX currently doesn't support configuring both IPv4 and IPv6 DNS together. When both IPv4 and IPv6 DNS are configured during tpvm deployment, only one trusted peer config takes effect.			
Workaround:	It is recommended to u	use IPV4 DNS for XCO de	eployment.	

Parent Defect ID:	XCO-6189	Issue ID:	XCO-6189
Product:	ХСО	Reported in Release:	XCO 3.2.0
Symptom:	SLX currently doesn't support configuring both IPv4 and IPv6 trusted peers together. When both IPv4 and IPv6 trusted-peers are configured after tpvm deploy, only one trusted peer config takes effect.		v6 trusted-peers are
Workaround:	It is recommended to u	use IPV4 trusted peer for	XCO deployment.

Parent Defect ID:	XCO-6360	Issue ID:	XCO-6360	
Product:	хсо	Reported in Release:	XCO 3.1.1	
Symptom:	Few important system logs are not seen in the XCO UI.			
Condition:	Device is discovered from XCO and some of the cards are removed or inserted in the device.			

Parent Defect ID:	XCO-7100	Issue ID:	XCO-7100
Product:	ХСО	Reported in Release:	XCO 3.2.0
Symptom:	"Target TPVM Version" Does not display until new TPVM is already installed.		
Condition:	During the TPVM upgrade, "Target TPVM Version" gets updated late in the workflow.		
Recovery:	The correct Target TPVM version gets updated after the new version is installed.		

Parent Defect ID:	XCO-7183	Issue ID:	XCO-7183
Product:	ХСО	Reported in Release:	EFA 3.0.0
Symptom:	update-dns.shdns-act	•	error is seen:

Parent Defect ID:	XCO-7183	Issue ID:	XCO-7183	
	dns-action <'allow' 'disallow'> - Allow host DNS entries to be forwarded to the pods			
	(efa:ubuntu)ubuntu@efa:/opt/efa\$ sudo /opt/efa/update-dns.shdns- action allow			
	Unexpected nameserver entry of 127.0.0.53 found in /etc/resolve.conf (efa:ubuntu)ubuntu@efa:/opt/efa\$			

Parent Defect ID:	XCO-7183	Issue ID:	XCO-7183		
Condition:	In 18.04.6 and 20.04, Ubuntu uses a stub-resolv.conf located in /run/ systemd/resolve/stub-resolv.conf . This file is symlink to /etc/resolv.conf in /run/systemd/resolve/. There is another file, resolv.conf which contains the information for DNS from netplan.				
	Additionally, systemd-resolved provides a local DNS stub listener on IP address 127.0.0.53 on the local loopback interface. Programs issuing DNS requests directly,bypassing any local API may be directed to this stub, in order to connect them to systemd-resolved.				
	bus APIs instead (as des concepts (such as link-le	is for local programs to u scribed above), as various ocal addressing, or LLMN he unicast DNS protocol.	s network resolution IR Unicode domains)		
	We do not recognize th	e 127.0.0.53 address as va	lid.		
Workaround:	If updating DNS to allow host entries to be forwarded to the pods using the update-dns.sh script in XCO-3.3.0 on Ubuntu 20.0.4 or 18.0.4-6 or above, follow these steps. After netplan is applied and before running update_dns.sh				
	 Check if symlink exists, if not directly edit /etc/resolv.conf to netplan ip: \$ Is -I /etc/resolv.conf Irwxrwxrwx 1 root root 39 Feb 20 2021 /etc/resolv.conf ->/run/ systemd/resolve/stub-resolv.conf <<<symlink exists<="" li=""> Check if it has 127.0.0.53 ip in the following files: \$ cat /etc/resolv.conf grep nameserver </symlink>				
	nameserver 127.0.0.5	3			
	\$ cat /run/systemd/re	esolve/stub-resolv.conf g	grep nameserver		
	 nameserver 127.0.0.53 Edit the following file to add netplan DNS ip for the nameserver and remove 127.0.0.53 sudo vi /run/systemd/resolve/stub-resolv.conf Check if both files are updated 				
	\$ cat /run/systemd/re	\$ cat /run/systemd/resolve/stub-resolv.conf grep nameserver			
	nameserver 10.10.10.0)			
	\$ cat /etc/resolv.conf	grep nameserver			
	nameserver 10.10.10.0)			

Parent Defect ID:	XCO-7183	Issue ID:	XCO-7183
	6. Run sudo netplan ap	_dns.shdns-action allow oply to restore /etc/resolv. onf to its default value of	conf and /run/systemd/

Parent Defect ID:	XCO-7426	Issue ID:	XCO-7426
Product:	хсо	Reported in Release:	EFA 2.7.0
Symptom:	While performing `efa show-running-config` , application was not able to process inventory data from Device table.		
Condition:	Old entry present in DB, with invalid IP_address. Causing the issue.		
Workaround:	The only workaround here would be to remove this entry from dcapp_asset.device table.		
Recovery:	Ensure that old devices are properly removed from inventory. No old devices entry exists in Inventory. No invalid device entry exists in device DB.		

Parent Defect ID:	XCO-7899	Issue ID:	XCO-7899
Product:	ХСО	Reported in Release:	XCO 3.3.0
Symptom:	BGP peer delete with MP-BGP support enabled for additional path advertise fails with netconf error - '%Error: 'additional-paths advertise' is configured, cannot remove 'additional-paths select' command'.		
Condition:	If the MP-BGP neighbor is associated to additional path select, then the deletion of the bgp neighbor fails with the following netconf error - '%Error: 'additional-paths advertise' is configured, cannot remove 'additional-paths select' command'		
Workaround:	There is no workaround for this issue		
Recovery:	Execute the peer delete command again and it gets deleted on the second attempt.		

Parent Defect ID:	XCO-7955	Issue ID:	XCO-7955
Product:	ХСО	Reported in Release:	XCO 3.3.0
Symptom:	parallel or serial execution devices for traffic loss. In activation can result in a	irmware Activate" proces on, irrespective of the be n cases where auto-com a "Firmware Commit Fai he firmware commit has se end.	havior of grouping mit is enabled, the led" status on the

Parent Defect ID:	XCO-7955	Issue ID:	XCO-7955	
Condition:	The "Firmware Activate" process is initiated from the user interface, either through the Inventory Page or the Fabric-wide Page, even in the midst of an incomplete operation on a subset of devices. For instance:			
	Device 1 and Device 2 tr from either the Inventor	Device 1 and Device 2 trigger a download with auto-commit enabled from either the Inventory or Fabric-wide Page.		
	Device 3 triggers a download from the Fabric or Inventory Page.			
	"Activate Download" op	equently, Device 1 and Device 2 attempt to continue with the vate Download" operation from the inventory or fabric page, ting in a "Firmware Commit Failed" failure.		
Workaround:	Do not initiate firmware upgrades on other devices until the device completes both the Activate operation and the commit operation.			
Recovery:	commands: "efa invento	error in the flow sequences, use the following set of fa inventory debug unblock-from-fwdl" , "efa inventory re-download" to continue with download operation		

Parent Defect ID:	XCO-8072	Issue ID:	XCO-8072
Product:	хсо	Reported in Release:	XCO 3.3.0
Symptom:	When configuring an OOB QoS map of traffic-class-cos type without DP value provided on SLX, after device update, the entry showed up on EFA with DP value of 4.		
Condition:	When configuring an OOB QoS map of traffic-class-cos type without DP value provided on SLX, after device update, the entry showed up on EFA with DP value of 4.		
Workaround:	No workaround for this OOB entry.		
Recovery:	Delete this OOB entry from SLX device side.		

Parent Defect ID:	XCO-8170	Issue ID:	XCO-8170
Product:	ХСО	Reported in Release:	XCO 3.2.1
Symptom:	User is unable to login to XCO using LDAP authentication.		

Parent Defect ID:	XCO-8170	Issue ID:	XCO-8170
Condition:	The XCO login fails after configuring LDAP on TPVM and XCO.		
Workaround:	value. For example: Set Below commands can efa auth authenticatior	be used	

Parent Defect ID:	XCO-8191	Issue ID:	XCO-8191
Product:	ХСО	Reported in Release:	XCO 3.3.0
Symptom:	If you run concurrent epg update commands operation as port-group- add or vrf-add on bridge-domain EPGs that are associated with more than one ctag, one or some of the commands can fail with error "Save for device failed".		
Condition:	This is observed more often when more than 3 concurrent EPG port- group-add commands with non-conflicting ports and non-overlapping ctag-range are executed. Occasionally, configuration information that is pushed by one command is not used properly to prepare command recipe for another, causing the failure of one command.		
Workaround:	Rerunning the failing command will succeed. The error is intermittent and does not cause permanent changes. XCO state information is not affected at any point.		
Recovery:	No recovery is required as no state change is done as part of this failure.		

Parent Defect ID:	XCO-8200	Issue ID:	XCO-8200
Product:	ХСО	Reported in Release:	XCO 3.3.0
Symptom:	SLX Devices are not allowed to execute the same firmware download execution flow, which could result in traffic loss. For example, it is not allowed to choose two Leaf devices from the same MCT pair.		
Condition:	From User Interface, Go to the fabric page & select a few devices Go to table action & select Firmware Upgrade Option		
Workaround:	The user selects the left-side leaf of the MCT pair and triggers firmware download and activation. Similarly, the user selects the right-side leaf of the MCT pair and triggers firmware download and activation.		
Recovery:	Choose another set of devices that will not result in traffic loss and proceed with the firmware download operation.		

Parent Defect ID:	XCO-8230	Issue ID:	XCO-8230
	ХСО	Reported in Release:	EFA 3.0.1

Parent Defect ID:	XCO-8230	Issue ID:	XCO-8230	
Product:				
Symptom:	When the user tries to ir image import fails.	When the user tries to import docker images after disk cleanup, the image import fails.		
Condition:	The k3s image import fa	The k3s image import fails after disk cleanup.		
Recovery:	1. Clean up the disk spac instances. Free up the disk space # efactl clean Reimport the images us	o recover from the above and restart all the servi	ces to run only with new	

Parent Defect ID:	XCO-8232	Issue ID:	XCO-8232
Product:	хсо	Reported in Release:	XCO 3.3.0
Symptom:	Error is observed while updating EFA system CLI setting Error : error creating directory on remote: Could not chdir to home directory /users/home21/ <username>: No such file or directory</username>		
Condition:	While using CLI "efa system settings updateremote-server- ip <ip>remote-transfer-protocol scpremote-server-username <username>remote-server-password <password>remote-server- directory <remote-server-directory>"</remote-server-directory></password></username></ip>		
Workaround:	Use Remote Server which has bash support installed.		
Recovery:	Add bash support and retry the CLI command.		

Parent Defect ID:	XCO-8234	Issue ID:	XCO-8234
Product:	ХСО	Reported in Release:	XCO 3.3.0
Symptom:	The fabric alarm and the alarm status update notifications can briefly reflect a small time window where the fabric alarm is cleared when it is actually unhealthy.		
Condition:	This can occur during fabric formation or during any operation where fabric health is degraded due to multiple reasons (example:- spine to leaf link going down, BGP neighborship going down between spine and leaf, etc). When a specific device and links are repaired and deemed healthy, the overall fabric alarm can temporarily be cleared although other devices remain unhealthy. Then subsequently the fabric alarm will be corrected and put into an unhealthy state due to the remaining unhealthy devices.		

Parent Defect ID:	XCO-8234	Issue ID:	XCO-8234
Workaround:	N/A		
Recovery:	The fabric alarm automatically recovers to the proper state. The fabric alarm can temporarily be cleared when it is actually not cleared yet.		

Parent Defect ID:	XCO-8366	Issue ID:	XCO-8366
Product:	хсо	Reported in Release:	XCO 3.3.1
Symptom:	IPv6-Prefix over IPv4-Peer device setting under Inventory service gets refreshed and removed from the device when device is removed from fabric or when an entire fabric is deleted. This setting does not get applied automatically to the device when it is added back to the fabric or when the fabric is reconfigured.		
Condition:	 Configure fabric. Enable IPv6-Prefix over IPv4-Peer device setting from inventory CLI. Remove the device from the fabric or delete an entire fabric. Add the device back in the fabric or re-configure the fabric. 		
	Step #4 does not configure IPv6-Prefix over IPv4-Peer setting on a device. Inventory service keeps identifying drift for the same.		
Recovery:	Run DRC from Inventory service before or after adding device to fabric and reconfiguring fabric.		

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 2800. 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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