ExtremeCloud™ Orchestrator Release Notes

3.2.1

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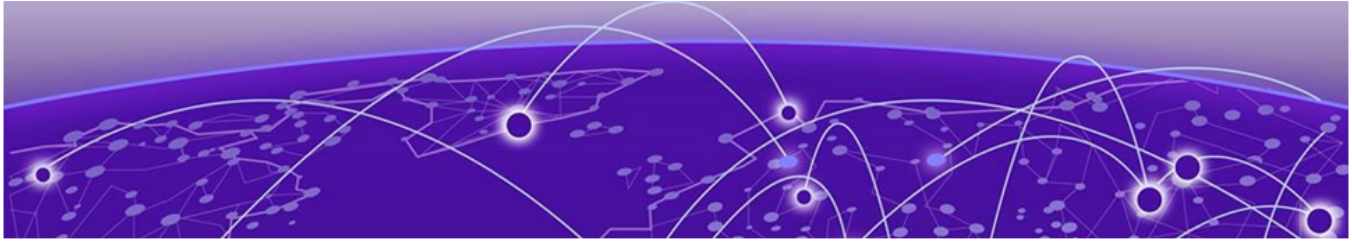

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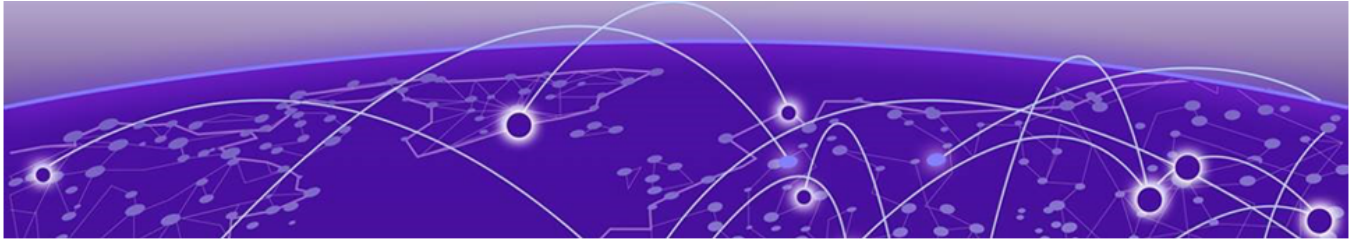

Release Notes

New In This Release

ExtremeCloud Orchestrator 3.2.1 resolves several issues. For information about XCO deployment, refer to the *ExtremeCloud Orchestrator Deployment Guide, 3.2.1*.

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.

XCO integrates Extreme Fabric Automation (EFA) and Extreme Visibility Manager (XVM) solutions:

- EFA: Automates life-cycle management that includes design, deployment, operation, and refresh of IP fabric networks.
- XVM: Manages network packet broker (NPB) and visibility solution.

Table 1: Enhancements

Description	Details
Next Hop Recursion	Describes procedure to enable next hop recursion on tenant VRF. For more information, refer to the *ExtremeCloud Orchestrator CLI Administration Guide, 3.2.1*.
BGP Peer Group Activate	Describes procedure to activate BGP peer group. For more information, refer to the *ExtremeCloud Orchestrator CLI Administration Guide, 3.2.1*.
System hardening improvements	Improvement to system hardening for CIS-CAT assessments. For more information, refer to the *ExtremeCloud Orchestrator Security Guide, 3.2.1*.

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
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
2.7.x, 3.0.0	More than 24	Yes	16.04, 18.04	• CPU: 4 cores • Storage: 64 GB • RAM: 8 GB
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

Table 3: OVA Deployment Models

XCO Version	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Virtual Machine
2.7.x, 3.0.0, and 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

Table 4: TPVM Deployment Models

XCO Version	TPVM Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Minimum SLX-OS Version
2.7.x	• SLX 9150 • SLX 9250 • SLX 9740	Up to 24	Yes	18.04	20.4.1

Table 4: TPVM Deployment Models (continued)

XCO Version	TPVM Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Minimum SLX-OS Version
	• Extreme 8520 • Extreme 8720				
3.0.x	• SLX 9150 • SLX 9250 • SLX 9740 • Extreme 8520 • Extreme 8720	Up to 24	Yes	18.04	20.4.2
3.1.x	• SLX 9150 • SLX 9250 • SLX 9740 • Extreme 8520 • Extreme 8720 • Extreme 8820 (20.4.3 onwards only)	Up to 24	Yes	18.04	20.4.2
3.2.x	• SLX 9150 • SLX 9250 • SLX 9740 • Extreme 8520 • Extreme 8720 • Extreme 8820 (20.4.3 onwards only)	Up to 24	Yes	18.04	20.4.3

Table 5: TPVM Software Support

XCO Version	TPVM Version	SLX-OS Version
2.5.4	4.3.0	20.3.2d
2.5.5		
2.6.0	4.4.0	20.3.4/4a
2.6.1		
2.7.0	4.5.0	20.4.1
2.7.2	4.5.1	20.4.1b
3.0.0	4.5.3	20.4.2
3.1.0	4.5.6	20.4.2a
3.1.1	4.5.8	20.4.3

Table 5: TPVM Software Support (continued)

XCO Version	TPVM Version	SLX-OS Version
3.2.0	4.5.10	20.4.3a
3.2.1	4.5.12	20.5.1

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	✔				✔
SLX 9250	20.2.x, 20.3.x, 20.4.x	✔	✔	✔		✔
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	✔	✔	✔	✔	✔
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.

Note

- Upgrade from XVM (Extreme Visibility Manager) to XCO is not supported.
- XCO supports only a fixed set of special characters for names. 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 cores • Storage: 128 GB • RAM: 8 GB Recommended: • CPU: 16 cores • Storage: 200 GB • RAM: 32 GB

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

Table 9: OVA Deployment Models (continued)

XCO Version	Ubuntu Version	Virtual Machine
		• RAM: 8 GB

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: 1. Update EPG for operation **vrf-add**. 2. Update EPG for operation **vrf-delete**. 3. Update the same EPG again with operation **vrf-add** for the same VRF which was deleted in step 2.	Wait of 30 seconds between the EPG update **vrf-add** and vrf-delete operations on the same EPG.

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.	XCO supports only bash shell for login or any other CLI commands. Ensure that bash is specified as the default login shell for all XCO user accounts.

EFA Token command message

Please type this in your shell:

export EFA_TOKEN=eyJhbGciOiJSUzI1NiIsImtpZCI6IjEuMCIsInR5cCI6IkpXVCJ9.eyJjb21tb25fbmFtZSI6IkVGQSBUb2tlbiBTZXJ2aWNlIiwidWFzIjpbeyJ0YXJnZXQiOiJFRkEiLCJyb2xlIjoiVlIyLVRudEFkbWluIn1dLCJvcmciOiJFeHRyZW1lIE5ldHdvcmtzIiwidmVyIjoiMS4wIiwiaWQiOiIiLCJleHAiOjE2NDUyNDcxNDIsImp0aSI6IjZjMjA4ZDUxLTkwNzgtMTFlYy1iZjk5LWNhNzk1MDY1YzIwNyIsImlhdCI6MTY0NTE2MDc0MiwiaXNzIjoiRUZBIFRva2VuIFNlcnZpY2UiLCJuYmYiOjE2NDUxNjA3NDIsInN1YiI6InVzZXIyIn0.b7m5PINijeEdNSqnTeE2ZhUrqKLKQAu079vXyBIdgHbXKt9ULfa03vMU1jfBO1qFb1-

```
x0oHmsAQ0pSsF5JLeMaMzMflLf78ktZO8U5IePq72vM5en35IR-
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: Error : service is not available or internal server error has occurred, please try again later Tenant service was running. Tenant1 was not available after the error.	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. The operation completes in the background. Run the **`efa tenant show`** command to view the actual state of the 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 3.3.0.

Parent Defect ID:	XCO-3458	Issue ID:	XCO-3458
Product:	XCO	Reported in Release:	EFA 3.1.0
Symptom:	Port breakout fails for SLX devices with "generic message error". On device new split ports are created.		
Recovery:	Login to SLX CLI and remove the breakout of port using the following steps: Run following commands: configuration terminal hardware connector <slot/interface> breakout mode <4x10g/4x25g> no breakout e.g. if the port 0/50 got this issue, following are the commands to run after login to CLI Freedom7-Bng# configure t Entering configuration mode terminal Freedom7-Bng(config)# hardware Freedom7-Bng(config-hardware)# connector 0/50 Freedom7-Bng(config-connector-0/50)# breakout mode 4x10 Freedom7-Bng(config-connector-0/50)# no breakout		

Parent Defect ID:	XCO-3472	Issue ID:	XCO-3472
Product:	XCO	Reported in Release:	EFA 3.1.0
Symptom:	XCO IP/VIP change is not updated on device for telemetry/streaming and syslog		
Condition:	Once XCO is installed and devices are discovered in Visibility installation, if the XCO node IP/VIP changes, those are not updated on device for receiving the statistics and syslog.		

Parent Defect ID:	XCO-3472	Issue ID:	XCO-3472
Workaround:	Change XCO's IP/VIP before discovering the devices.		
Recovery:	Required to delete and add all devices again after the IP/VIP of XCO is changed.		

Parent Defect ID:	XCO-4180	Issue ID:	XCO-4180
Product:	XCO	Reported in Release:	EFA 3.0.0
Symptom:	Http Login/Logout Raslogs repeatedly observed on device side, after CLI execution.		
Condition:	During Ntp create/delete operation, few repeated logs are observed on device.		
Workaround:	On device side we can configure Raslog to suppress/Ignore logs. logging raslog message SEC-1206 suppress //to supress logging raslog console CRITICAL //to discard other types and show only critical		
Recovery:	It is a non-functional issue and has no impact on the overall system operations.		

Parent Defect ID:	XCO-5931	Issue ID:	XCO-5931
Product:	XCO	Reported in Release:	EFA 3.0.1
Symptom:	Firmware Not Committed" but "Firmware Download Show Overall Status" shows "Device Update In Progress		
Condition:	For the firmware download workflow, it will perform the FWDL on each device as prescribed by the grouping and then finally do a "quick" device update (device links only) for all devices that have participated in the FWDL. The purpose of the device links only update is to ensure the fabric configurations are in-sync after the FWDL workflow has completed since devices were rebooted to activate the new firmware. In this customer case they only did a FWDL of a single device, but the workflow is the same... a device links only update will be performed at the end. The firmware download show command contains the individual device's status in the table and the "Overall Status" at the bottom reflects EFA's overall status of the FWDL workflow which includes the Device links only update.		

Parent Defect ID:	XCO-5931	Issue ID:	XCO-5931
Workaround:	The user must poll for the Overall Status Completion to proceed for another FWDL workflow prepare/execute.		
Recovery:	Not applicable.		

Parent Defect ID:	XCO-6192	Issue ID:	XCO-6192
Product:	XCO	Reported in Release:	EFA 3.0.0
Symptom:	Unable to login to XCO.		

Parent Defect ID:	XCO-6429	Issue ID:	XCO-6429
Product:	XCO	Reported in Release:	EFA 3.1.1
Symptom:	ACL hits displayed on stats table while it should maintain its position during stats update		
Condition:	ACL hits dynamically keep moving around and it can't track of hits.		
Workaround:	Sequence number is implemented and rest of the things will be fixed in next release.		

Parent Defect ID:	XCO-6466	Issue ID:	XCO-6466
Product:	XCO	Reported in Release:	EFA 3.1.1
Symptom:	Full IPv4/IPv6 address are not seen for policy rules.		
Condition:	When user launch troubleshoot and monitor page to select the rules.		
Workaround:	Mouse over tip is provided so that user can get the complete address.		
Recovery:	NA		

Parent Defect ID:	XCO-6510	Issue ID:	XCO-6510
Product:	XCO	Reported in Release:	XCO 3.2.0
Symptom:	The "Network Essentials" option is listed as a device action for the NPB device and a blank page is opened when the user clicks on that.		

Parent Defect ID:	XCO-6510	Issue ID:	XCO-6510
Condition:	NPB device is discovered in XCO and user clicks on the device action (for the NPB device) from the inventory page.		
Workaround:	Do not select the networks essentials for NPB devices from device inventory page.		

Parent Defect ID:	XCO-6629	Issue ID:	XCO-6629
Product:	XCO	Reported in Release:	XCO 3.2.0
Symptom:	Cannot scroll to see more than 37 rows while in troubleshooting/ monitor in XCO Packet skill version 3.2.0.		

Parent Defect ID:	XCO-6792	Issue ID:	XCO-6792
Product:	XCO	Reported in Release:	XCO 3.2.0
Symptom:	XCO doesn't recover after OOB management network failure simulation - double fault testing		

Parent Defect ID:	XCO-6937	Issue ID:	XCO-6937
Product:	XCO	Reported in Release:	XCO 3.2.0
Symptom:	Monitor/Troubleshooting page, could not scroll through tables to view an entire table		

Parent Defect ID:	XCO-6950	Issue ID:	XCO-6950
Product:	XCO	Reported in Release:	EFA 3.1.0
Symptom:	[Packet Broker] 9920 - The 'Interface Name' field on the Ingress Policy Stats Table does not appear to be working. No information available!		

Parent Defect ID:	XCO-7097	Issue ID:	XCO-7097
Product:	XCO	Reported in Release:	XCO 3.2.0
Symptom:	XCO 3.2.0 inventory-service crashing during ‘efa fabric device add-bulk’		

Parent Defect ID:	XCO-7223	Issue ID:	XCO-7223
	XCO	Reported in Release:	EFA 3.0.1

Parent Defect ID:	XCO-7223	Issue ID:	XCO-7223
Product:			
Symptom:	After upgrade, SLX 9250 Spine2 stuck in failed state when executed "efa inventory drift-reconcile".		

Parent Defect ID:	XCO-7345	Issue ID:	XCO-7345
Product:	XCO	Reported in Release:	EFA 3.1.0
Symptom:	insecuretls flags in XCO-3.1.0, it sets the value to true by default and by setting “–insecuretls false”.		

Parent Defect ID:	XCO-7718	Issue ID:	XCO-7718
Product:	XCO	Reported in Release:	EFA 2.7.2
Symptom:	drifted configuration on EFA is still showing as drifted after tenant drift reconcile		

Parent Defect ID:	XCO-7797	Issue ID:	XCO-7797
Product:	XCO	Reported in Release:	XCO 3.2.1
Symptom:	Certificate expiry notification persists after renewal.		

Defects Closed without Code Changes

The following defects were closed without code changes in ExtremeCloud Orchestrator 3.2.1.

Parent Defect ID:	XCO-4183	Issue ID:	XCO-4183
Reason Code:	Not Reproducible		
Product:	XCO	Reported in Release:	EFA 2.7.0
Symptom:	EFA inventory device **`execute-cli`** command fails randomly for devices with "HTTP adapter login error : : connection refused".		
Condition:	Concurrent running of multiple **`execute-cli`** commands at the same time causes this failure.		

Parent Defect ID:	XCO-4183	Issue ID:	XCO-4183
Workaround:	Run the commands sequentially.		
Recovery:	Since it is an operational command failure, there are no impacts to EFA database and SLX device configurations. Hence, no recovery is required. The failed command can be re-run sequentially for successful completion of the expected operations.		

Parent Defect ID:	XCO-5259	Issue ID:	XCO-5259
Reason Code:	Not Reproducible		
Product:	XCO	Reported in Release:	EFA 3.0.0
Symptom:	EFA drift reconcile (DRC) fails on sequential reboot of the non-clos pair.		
Condition:	During a series of SLX reboots, the DRC failed and did not re-initiate upon EFA failover.		
Workaround:	Not applicable.		
Recovery:	Reinitiate DRC manually.		

Parent Defect ID:	XCO-5926	Issue ID:	XCO-5926
Reason Code:	Insufficient Information		
Product:	XCO	Reported in Release:	EFA 2.7.0
Symptom:	EFA **`execute-cli`** reports SLX switches as unreachable.		
Condition:	This condition is caused when a password is changed, and an old password is used even after a password is changed.		
Workaround:	Use updated new password.		
Recovery:	Use updated new password.		

Parent Defect ID:	XCO-6467	Issue ID:	XCO-6467
Reason Code:	Already Implemented		
Product:	XCO	Reported in Release:	EFA 3.0.0
Symptom:	XCO pods are in Pending state and login is not successful.		
Condition:	As rabbitmq logs continues to grow, disk utilization goes beyond the threshold of 87% and XCO pods restarts. If 'docker_k3s_images.tar' is not present in /apps/efa/docker_images/ folder, XCO pods stuck in Pending state.		

Parent Defect ID:	XCO-6467	Issue ID:	XCO-6467
Workaround:	Run the following commands to resolve this issue: On TPVM: **sudo cp /apps/efa/docker_images/docker_k3s_images.tar / apps/rancher/k3s/agent/images/** **sudo k3s ctr image import /apps/efa/docker_images/ docker_k3s_images.tar** On Server: **cp /opt/efa/docker_images//opt/efa/docker_images /var/lib/ rancher/k3s/agent/images/** **k3s ctr image import docker_k3s_images.tar**		
Recovery:	Re-import the docker_k3s_images.tar file.		

Open Defects

The following defects are open in ExtremeCloud Orchestrator 3.2.1.

Parent Defect ID:	XCO-3445	Issue ID:	XCO-3445
Product:	XCO	Reported in Release:	EFA 3.0.0
Symptom:	DRC will not identify the drift and hence will not reconcile the drifted configuration		
Condition:	Follow 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:	XCO-3448	Issue ID:	XCO-3448
Product:	XCO	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:	XCO-3448	Issue ID:	XCO-3448
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 <fabirc-name>" so that the superspine devices move to cfg-in-sync state		

Parent Defect ID:	XCO-3458	Issue ID:	XCO-3458
Product:	XCO	Reported in Release:	EFA 3.1.0
Symptom:	Port breakout fails for SLX devices with "generic message error". On device new split ports are created.		
Recovery:	login to SLX CLI and remove the breakout of port using these steps: Run following commands configuration terminal hardware connector <slot/interface> breakout mode <4x10g/4x25g> no breakout e.g. if the port 0/50 got this issue, following are the commands to run after login to CLI Freedom7-Bng# configure t Entering configuration mode terminal Freedom7-Bng(config)# hardware Freedom7-Bng(config-hardware)# connector 0/50 Freedom7-Bng(config-connector-0/50)# breakout mode 4x10g Freedom7-Bng(config-connector-0/50)# no breakout		

Parent Defect ID:	XCO-3471	Issue ID:	XCO-3471
Product:	XCO	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:	1. Create a 3-stage CLOS fabric, add devices with MCT leaf, spine, and border-leaf and configure the fabric 2. Convert the 3-stage CLOS fabric to a 5-stage CLOS fabric using the fabric migrate command "efa fabric migrate --type "3-to-5-stage" --source-fabric <source-fabric> --destination-3-stage-leaf-spine-pod <pod-name> --destination-3-stage-border-leaf-pod <pod-name>" 3. Add super-spine POD devices to the migrated 5-stage CLOS fabric 4. Disconnect the BorderLeaf to Spine links and reconnect the BorderLeaf to Super-Spine links 5. Configure the migrated 5-stage CLOS fabric		
Recovery:	Manually delete the stale BGP peer-groups from both the Border Leaf and Spine devices		

Parent Defect ID:	XCO-3472	Issue ID:	XCO-3472
Product:	XCO	Reported in Release:	EFA 3.1.0
Symptom:	XCO IP/VIP change is not updated on device for telemetry/streaming and syslog		
Condition:	After XCO is installed and devices are discovered in Visibility installation, if the XCO node IP/VIP changes, those are not updated on device for receiving the statistics and syslog.		
Workaround:	Change the XCO IP/VIP before discovering the devices.		
Recovery:	Required to delete and add all devices again after the IP/VIP of XCO is changed.		

Parent Defect ID:	XCO-4127	Issue ID:	XCO-4127
Product:	XCO	Reported in Release:	EFA 3.0.0
Symptom:	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, ensure that cables are connected so that port speed will be updated.		
Recovery:	N/A		

Parent Defect ID:	XCO-4128	Issue ID:	XCO-4128
	XCO	Reported in Release:	EFA 3.0.0

Parent Defect ID:	XCO-4128	Issue ID:	XCO-4128
Product:			
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 device action list.		

Parent Defect ID:	XCO-4129	Issue ID:	XCO-4129
Product:	XCO	Reported in Release:	EFA 3.0.0
Symptom:	Disabling vn-tag header strip and enabling of 802.1BR header strip fails from XCO GUI for SLX NPB		
Condition:	When the 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:	N/A		

Parent Defect ID:	XCO-4146	Issue ID:	XCO-4146
Product:	XCO	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 links responsible for the fabric devices to be in cfg-refresh-err state. 3. Execute the TPVM failover by 'tpvm stop' and 'tpvm start' commands during the LLDP Link up (LA) event handling caused by 2.		
Recovery:	1.0 The 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 udpate --ip <device-ip>", which generates LD events 1.2. "no shutdown" the interface link on the physical link on Devices follow by "efa inventory device udpate --ip <device-ip>", which generates LA events 1.3. If the pending config contains "LA" : Execute "efa inventory drift-reconcile execute --ip <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 configure --name <fabric-name>" to clean up the configuration on devices which are in cfg-refresh-err /cfg-refreshed state. [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. 2.1. "reload" the switches without out maintenance mode to enable 2.2. Run "efa inventory drift-reconcile execute --ip <device-ip> --reconcile" on the devices which are in cfg-refresh-err /cfg-refreshed state.		

Parent Defect ID:	XCO-4180	Issue ID:	XCO-4180
Product:	XCO	Reported in Release:	EFA 3.0.0
Symptom:	HTTP Login/Logout RASlogs repeatedly observed on device side, after CLI execution.		
Condition:	During Ntp create/delete operation, few repeated logs are observed on device.		

Parent Defect ID:	XCO-4180	Issue ID:	XCO-4180
Workaround:	On device side, you can configure RASlogs to suppress or ignore logs. logging raslog message SEC-1206 suppress //to supress logging raslog console CRITICAL //to discard other types and show only critical		
Recovery:	It is a non-functional issue and has no impact on the overall system operations.		

Parent Defect ID:	XCO-5263	Issue ID:	XCO-5263
Product:	XCO	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 the device.		

Parent Defect ID:	XCO-5931	Issue ID:	XCO-5931
Product:	XCO	Reported in Release:	EFA 3.0.1
Symptom:	Firmware Not Committed" but "Firmware Download Show Overall Status" shows "Device Update In Progress		
Condition:	For the firmware download workflow, it will perform the FWDL on each device as prescribed by the grouping and then finally do a "quick" device update (device links only) for all devices that have participated in the FWDL. The purpose of the device links only update is to ensure that the fabric configurations are in-sync after the FWDL workflow has completed since devices are rebooted to activate the new firmware. In this customer case, they only did a FWDL of a single device, but the workflow is the same, a device links only update will be performed at the end. The firmware download show command contains the individual device's status in the table and the "Overall Status" at the bottom reflects EFA's overall status of the FWDL workflow which includes the Device links only update.		
Workaround:	The user must poll for the Overall Status Completion to proceed for another FWDL workflow prepare/execute.		
Recovery:	N/A		

Parent Defect ID:	XCO-6172	Issue ID:	XCO-6172
	XCO	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 use IPV4 DNS for XCO deployment.		

Parent Defect ID:	XCO-6189	Issue ID:	XCO-6189
Product:	XCO	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.		
Workaround:	It is recommended to use IPV4 trusted peer for XCO deployment.		

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

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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