

Customer Release Notes

Fabric Engine

Software Release 8.8.2.0

April 2023

INTRODUCTION:

This document describes important information about this release for platforms that support Extreme Networks Fabric Engine™.

The purpose of this version is to address customer and internally found software issues.

Newly Purchased Switches Require Software Upgrade. You should promptly upgrade the Fabric Engine software to the latest version available by visiting the Extreme Portal.

Extreme Networks recommends that you thoroughly review this document prior to installing or upgrading this product.

For the latest firmware versions, visit the download site at:
www.extremenetworks.com/support/

NEW IN THIS RELEASE:

Please see “New Features in this release” section below for more information.

IMPORTANT NOTES BEFORE UPGRADING TO THIS RELEASE:

Please see “Fabric Engine Release Notes for version 8.8.0” available at <https://www.extremenetworks.com/support/release-notes> for details about upgrading.

UPGRADE CONSIDERATIONS WHEN UPGRADING TO 8.8.2.0 FROM PREVIOUS RELEASES:

Please see “Fabric Engine Release Notes for version 8.8.0” available at <https://www.extremenetworks.com/support/release-notes> for details about upgrading.

PLATFORMS SUPPORTED:

Please see “Fabric Engine Release Notes for version 8.8.0” available at <https://www.extremenetworks.com/support/release-notes> for details regarding supported platforms.

FILE NAMES FOR THIS RELEASE:

Extreme Switching 5320 Series

File Name	Module or File Type	File Size (bytes)
5320.8.8.2.0_edoc.tar	Logs Reference	64163840
5320.8.8.2.0.md5	MD5 Checksums	461
5320.8.8.2.0_mib_sup.txt	MIB - supported object names	1534448
5320.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
5320.8.8.2.0_mib.zip	Archive of all MIB files	1224734
5320.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
5320.8.8.2.0.sha512	SHA512 Checksums	1376
5320.8.8.2.0.voss	Software image	108859600
FabricEnginev880_HELP_EDM_gzip.zip	EDM Help file	4872456
restconf_yang.tgz	YANG model	506020

Extreme Switching 5420 Series

File Name	Module or File Type	File Size (bytes)
5420.8.8.2.0_edoc.tar	Logs Reference	64163840
5420.8.8.2.0.md5	MD5 Checksums	461
5420.8.8.2.0_mib_sup.txt	MIB - supported object names	1533524
5420.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
5420.8.8.2.0_mib.zip	Archive of all MIB files	1224734
5420.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
5420.8.8.2.0.sha512	SHA512 Checksums	1376
5420.8.8.2.0.voss	Software image	108508815
FabricEnginev880_HELP_EDM_gzip.zip	EDM Help file	4872456
restconf_yang.tgz	YANG model	506020

Extreme Switching 5520 Series

File Name	Module or File Type	File Size (bytes)
5520.8.8.2.0_edoc.tar	Logs Reference	64163840
5520.8.8.2.0.md5	MD5 Checksums	461
5520.8.8.2.0_mib_sup.txt	MIB - supported object names	1534081
5520.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
5520.8.8.2.0_mib.zip	Archive of all MIB files	1224734
5520.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
5520.8.8.2.0.sha512	SHA512 Checksums	1376
5520.8.8.2.0.voss	Software image	113039569

File Name	Module or File Type	File Size (bytes)
FabricEnginev880_HELP_EDM_gzip.zip	EDM Help file	4872456
restconf_yang.tgz	YANG model	506020

Extreme Switching 5720 Series

File Name	Module or File Type	File Size (bytes)
5720.8.8.2.0_edoc.tar	Logs Reference	64163840
5720.8.8.2.0.md5	MD5 Checksums	594
5720.8.8.2.0_mib_sup.txt	MIB - supported object names	1539085
5720.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
5720.8.8.2.0_mib.zip	Archive of all MIB files	1224734
5720.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
5720.8.8.2.0.sha512	SHA512 Checksums	1701
5720.8.8.2.0.voss	Software image	312847229
FabricEnginev880_HELP_EDM_gzip.zip	EDM Help file	4872456
FabricIPSecGW_VM_5.2.0.0.ova	Fabric Ipsec Gateway Virtual Machine	4034211840
restconf_yang.tgz	YANG model	506020
TPVM_Ubuntu20.04_04_14Apr2022.qcow2	Third Party Virtual Machine (TPVM)	4641982464

Note about image download:

Ensure images are downloaded using the binary file transfer. Perform MD5 checksum check on downloaded files to ensure file integrity.

Check that the file type suffix is “.tgz” and the image names after download to device match those shown in the above table. Some download utilities have been observed to append “.tar” to the file name or change the filename extension from “.tgz” to “.tar”. If file type suffix is “.tar” or file name does not exactly match the names shown in above table, rename the downloaded file to the name shown in the table above so that the activation procedures will operate properly.

Load activation procedures:

```
software add 5720.8.8.2.0.voss
software activate 8.8.2.0.GA
```

or

```
software add 5520.8.8.2.0.voss
software activate 8.8.2.0.GA
```

or

```
software add 5420.8.8.2.0.voss
software activate 8.8.2.0.GA
```

or

```
software add 5320.8.8.2.0.voss
software activate 8.8.2.0.GA
```

COMPATIBILITY:

This software release is managed with Enterprise Device Manager (EDM), which is integrated into the agent software.

CHANGES IN THIS RELEASE:

New Features in This Release

None

Old Features Removed From This Release

None

Problems Resolved in This Release

VOSS-26832	iBGP is skipping the lowest IGP cost for best path selection when ISIS SPBM is used
VOSS-27125	EDM – Multiple VLANs missing from MLT-2 config after adding a VLAN to MLT-2 in EDM
VOSS-27403	Universal platforms: ARP requests are not being bridged through NNI to UNI Port
VOSS-27523	5420 is still running after unplugging power cord
VOSS-27622	A switch might randomly lose traffic on reboot when a dynamically learned nickname is used
VOSS-27647	A switch might unexpectedly reboot when multiple tasks incorrectly access SNMP/traps data structures
VOSS-27664	" <i>show interface gigabit statistics rate-limiting</i> " command does not display any output – this command is not supported and it was removed
VOSS-27666	An unexpected reboot occurred after an attempt to run debug command " <i>sh-exec cppp</i> "
VOSS-27681	An unexpected reboot of the switch was caused by the shutdown operation for all ports incorrectly called twice in case of an exception
VOSS-27683	In highly scaled networks where the PSNP might be processed with delay, because the PSNPs were not processed yet for the LSPs sent on the already up adjacencies when an additional adjacency comes up, the LSPs, local or forwarded from other nodes, will be resent on all the NNIs, which creates an overhead
VOSS-27704	CLI command " <i>show ip bgp neighbors <peer_ip> advertised-routes vrf <vrf_name></i> " displays routes that should not be advertised because of route-map
VOSS-27707	FEC Auto doesn't work as expected
VOSS-27713	Switch reboots with core dump in a case of an overflowing array
VOSS-27737	Traffic in a pure L2VSN VLAN is dropped if IP overlap with IST subnet
VOSS-27739	advanced-feature-bandwidth-reservation mode cannot be disabled even if SPBM mode is disabled
VOSS-27760	BGP routes are not updated between VRFs until the 'apply' command is given
VOSS-27769	The IP tab from EDM - VLAN - VLAN - IP button doesn't open in a VRF context
VOSS-27778	A withdrawn BGP route continues looping in the network with cluster IDs being repeated via route reflectors leading to VSP crash
VOSS-27779	BGP Router with a default route learned through BGP and default-info originate enabled, erroneously sends the default route further to its iBGP peers

Problems Resolved in This Release	
VOSS-27789	When saving io tables to a file, it displays the command execution date/time on the screen instead of saving it into the file
VOSS-27795	An unexpected reboot occurred right after the customer established a new SSH connection after the "ssh reset", due to stalled SSH sessions from the XIQ-SE.
VOSS-27828	While RADIUS NEAP/EAP client is authenticated through MAC Based S-UNI configuration, the LLDP untagged packets are no longer reaching to CPU leading to LLDP neighbor removal
VOSS-27862	SSH connection doesn't work with x509 enabled
VOSS-27863	5320-16P - fans continue to spin with temperatures < 35C
VOSS-27903	PoE: Wrong poe-port status and also wrong interface LED is blinking due to incorrect port mapping for 5420 8W-16P, 16W-32P, 16MW-32P on the 30W ports
VOSS-27926	If the number of SSH sessions is exceeded and SNMPv1 traps are sent due to this last event a switch may hang and reset with a core file
VOSS-28008	"ipv6 route preference protocol" config statement for VRF is saved in config file incorrectly
VOSS-28018	QSFP+ to 4SFP+ stopped working after a SW upgrade to 8.6
VOSS-28021	Some of the devices are unable to get IP via DHCP on a DVR routed VLAN
VOSS-28028	BFD routes have remained active even when the BFD session is down
VOSS-28098	When a DHCP relay is configured, based on the order of the commands, requests can be forwarded with src-port 0 instead of 68
VOSS-28100	A partial configuration loss occurred when a switch is upgraded from 8.4.3 to 8.8.0
VOSS-28121	Retry for RADIUS Reachability Status-Server has wrong MD5 hash
VOSS-28122	Port l3 egress table full when using redirectNH ACL caused failure to add new ARP records
VOSS-28167	BGP: Withdraw update for redistributed route is not sent when underlying route is removed but less preferred BGP route was present
VOSS-28170	Removing community-list from route map in VRF also removes metric associated to route maps in same VRF
VOSS-28189	Multi Area: OSPF packets are reflected back into remote area by the virtual node
VOSS-28195	Implicit withdraw not always processed in RR environment causing stale BGP routes to remain in network
VOSS-28277	5520/5420 FE - VOSS 8.8.1.0 - Route map unable to match on community string
VOSS-28378	7400-32C to 5420M-48W-4YE via 100GbE PSM4 (4x25GbE): Tx Issue

Fixes from Previous Releases

Fabric Engine 8.8.2.0 incorporates all fixes from prior releases, up to and including VOSS 8.4.3.0, VOSS 8.5.4.0, Fabric Engine 8.6.1.2, Fabric Engine 8.7.0.1 and Fabric Engine 8.8.1.

OUTSTANDING ISSUES:

Please see "Fabric Engine Release Notes for version 8.8.0" available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Issues.

KNOWN LIMITATIONS:

Please see "Fabric Engine Release Notes for version 8.8.0" available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Limitations.

Regular cleanup of unneeded files on USB drives is recommended to minimize possibility of USB corruption when a system is reset, shut down, or power is lost.

DOCUMENTATION CORRECTIONS:

For other known issues, please refer to the product release notes and technical documentation available at: <https://www.extremenetworks.com/support/documentation>.

GLOBAL SUPPORT

By Phone: +1 800-998-2408 (toll-free in U.S. and Canada)

For the toll-free support number in your country:
www.extremenetworks.com/support/

By Email: support@extremenetworks.com

By Web: www.extremenetworks.com/support/

By Mail: Extreme Networks, Inc.
6480 Via Del Oro
San Jose, CA 95119

For information regarding the latest software available, recent release note revisions, or if you require additional assistance, please visit the Extreme Networks Support website.

Copyright © 2023 Extreme Networks, Inc. - All Rights Reserved.

Legal Notice

Extreme Networks, Inc. reserves the right to make changes in specifications and other information contained in this document and its website without prior notice. The reader should in all cases consult representatives of Extreme Networks to determine whether any such changes have been made.

The hardware, firmware, software or any specifications described or referred to in this document are subject to change without notice.

Trademarks

Extreme Networks and the Extreme Networks logo are trademarks or registered trademarks of Extreme Networks, Inc. in the United States and/or other countries. All other names (including any product names) mentioned in this document are the property of their respective owners and may be trademarks or registered trademarks of their respective companies/owners.

For additional information on Extreme Networks trademarks, please see:

www.extremenetworks.com/company/legal/trademarks