

Customer Release Notes

Fabric Engine

Software Release 8.10.3.0

January 2024

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:

None.

IMPORTANT NOTES BEFORE UPGRADING TO THIS RELEASE:

Please see “Fabric Engine Release Notes for version 8.10.0” available at <https://www.extremenetworks.com/support/release-notes> for details about upgrading.

UPGRADE CONSIDERATIONS WHEN UPGRADING TO 8.10.3.0 FROM PREVIOUS RELEASES:

Please see “Fabric Engine Release Notes for version 8.10.0” available at <https://www.extremenetworks.com/support/release-notes> for details about upgrading.

PLATFORMS SUPPORTED:

Please see “Fabric Engine Release Notes for version 8.10.0” 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)
5320.8.10.3.0_edoc.tar	Logs Reference	64583680
5320.8.10.3.0.md5	MD5 Checksums	470
5320.8.10.3.0_mib_sup.txt	MIB - supported object names	1542846
5320.8.10.3.0_mib.txt	MIB - objects in the OID compile order	8242124
5320.8.10.3.0_mib.zip	Archive of all MIB files	1231958
5320.8.10.3.0_oss-notice.html	Open-source software - Master copyright file	2785868
5320.8.10.3.0.sha512	SHA512 Checksums	1386
5320.8.10.3.0.voss	Software image	115397519
FabricEnginev8.10.0_HELP_EDM_gzip.zip	EDM Help file	5062198
restconf_yang.tgz	YANG model	506020

Extreme Switching 5420 Series

File Name	Module or File Type	File Size (bytes)
5420.8.10.3.0_edoc.tar	Logs Reference	64583680
5420.8.10.3.0.md5	MD5 Checksums	470
5420.8.10.3.0_mib_sup.txt	MIB - supported object names	1541922
5420.8.10.3.0_mib.txt	MIB - objects in the OID compile order	8242124
5420.8.10.3.0_mib.zip	Archive of all MIB files	1231958
5420.8.10.3.0_oss-notice.html	Open-source software - Master copyright file	2785868
5420.8.10.3.0.sha512	SHA512 Checksums	1386
5420.8.10.3.0.voss	Software image	115100420
FabricEnginev8.10.0_HELP_EDM_gzip.zip	EDM Help file	5062198
restconf_yang.tgz	YANG model	506020

Extreme Switching 5520 Series

File Name	Module or File Type	File Size (bytes)
5520.8.10.3.0_edoc.tar	Logs Reference	64583680
5520.8.10.3.0.md5	MD5 Checksums	470
5520.8.10.3.0_mib_sup.txt	MIB - supported object names	1540760
5520.8.10.3.0_mib.txt	MIB - objects in the OID compile order	8242124
5520.8.10.3.0_mib.zip	Archive of all MIB files	1231958
5520.8.10.3.0_oss-notice.html	Open-source software - Master copyright file	2785868
5520.8.10.3.0.sha512	SHA512 Checksums	1386
5520.8.10.3.0.voss	Software image	121298971
FabricEnginev8.10.0_HELP_EDM_gzip.zip	EDM Help file	5062198
restconf_yang.tgz	YANG model	506020

Extreme Switching 5720 Series

File Name	Module or File Type	File Size (bytes)
5720.8.10.3.0_edoc.tar	Logs Reference	64583680
5720.8.10.3.0.md5	MD5 Checksums	603
5720.8.10.3.0_mib_sup.txt	MIB - supported object names	1547631
5720.8.10.3.0_mib.txt	MIB - objects in the OID compile order	8242124
5720.8.10.3.0_mib.zip	Archive of all MIB files	1231958
5720.8.10.3.0_oss-notice.html	Open-source software - Master copyright file	2785868
5720.8.10.3.0.sha512	SHA512 Checksums	1711
5720.8.10.3.0.voss	Software image	323444122
FabricEnginev8.10.0_HELP_EDM_gzip.zip	EDM Help file	5062198
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

Extreme Switching 7520 Series

File Name	Module or File Type	File Size (bytes)
7520.8.10.3.0_edoc.tar	Logs Reference	64583680
7520.8.10.3.0.md5	MD5 Checksums	603
7520.8.10.3.0_mib_sup.txt	MIB - supported object names	1543706
7520.8.10.3.0_mib.txt	MIB - objects in the OID compile order	8242124
7520.8.10.3.0_mib.zip	Archive of all MIB files	1231958
7520.8.10.3.0_oss-notice.html	Open-source software - Master copyright file	2785868
7520.8.10.3.0.sha512	SHA512 Checksums	1711
7520.8.10.3.0.voss	Software image	323756547
FabricEnginev8.10.0_HELP_EDM_gzip.zip	EDM Help file	5062198
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

Extreme Switching 7720 Series

File Name	Module or File Type	File Size (bytes)
7720.8.10.3.0_edoc.tar	Logs Reference	64583680
7720.8.10.3.0.md5	MD5 Checksums	603
7720.8.10.3.0_mib_sup.txt	MIB - supported object names	1541893
7720.8.10.3.0_mib.txt	MIB - objects in the OID compile order	8242124

File Name	Module or File Type	File Size (bytes)
7720.8.10.3.0_mib.zip	Archive of all MIB files	1231958
7720.8.10.3.0_oss-notice.html	Open-source software - Master copyright file	2785868
7720.8.10.3.0.sha512	SHA512 Checksums	1711
7720.8.10.3.0.voss	Software image	323753735
FabricEnginev8.10.0_HELP_EDM_gzip.zip	EDM Help file	5062198
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 7720.8.10.3.0.voss
software activate 8.10.3.0.GA
```

or

```
software add 7520.8.10.3.0.voss
software activate 8.10.3.0.GA
```

or

```
software add 5720.8.10.3.0.voss
software activate 8.10.3.0.GA
```

or

```
software add 5520.8.10.3.0.voss
software activate 8.10.3.0.GA
```

or

```
software add 5420.8.10.3.0.voss
software activate 8.10.3.0.GA
```

or

```
software add 5320.8.10.3.0.voss
software activate 8.10.3.0.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**

VOSS-29084 - Enhancement: runprof file being written to during above 80% CPU utilization

Old Features Removed From This Release

None

Problems Resolved in This Release

VOSS-26455	Optics : Qualify on 7720 and 7520 - (40G-ESR4-QSFP400M-NT) 40G ESR4 QSFP+ 400m 10G-SR interop
VOSS-29368	"tMAIN latency is HIGH !" logs and sluggish CLI when SFLOW is enabled having unreachable collectors
VOSS-29392	A crash may be generated in cbcp-main.x in thread tMainTask while processing LLDP packets
VOSS-29412	5320-16P: fan jumps at 100% RPM when exiting from the fanless mode
VOSS-29452, VOSS-29616	For an SSIO crash a debug command was implemented to disable ports shutdown during the exception handling
VOSS-29488	Debug traces were added for a case when MAC and ARP tables not in sync after VM migration
VOSS-29596	L3_ENTRY ipv4 host routes/total counters show negative values after DVR controller is removed and added back to DVR domain by toggling ISIS
VOSS-29668	ZTP+ process stops before completing when unit has default settings
VOSS-29690	TACACS crash on authentication with longer than 127 characters password
VOSS-29696	The management VLAN becomes unreachable after software upgrade in a scenario when it inherits the same MAC address as VOSS VLAN
VOSS-29709	When ARP packet is hitting the trusted port "SW WARNING ARP Inspection: ARP packet with invalid IP/MAC binding dropped on untrusted port " logs are noticed
VOSS-29710	Logical L2 core ISIS interface shown as operational UP even though underlying port is down
VOSS-29729	Software LinkScan Not Catching Short Local/Remote Fault Events
VOSS-29730	POE powered devices get disconnected following a short power supply outage on 4900 and 5420 switches
VOSS-29741	RIP configuration causes switch to generate core dump and reboot
CFD-9986	MACs from other nodes learnt against sys-id instead of shared-virtual-bmac
VOSS-29770	Routed traffic failure from wireless users after roaming from Cisco Wireless solution side to Extreme Cloud wireless side
VOSS-29803	DVR-one-IP interface the option "state-disabled" is missing
CFD-10104	LLDP neighbor flaps on multiple links when the switch reached 497 days of up time
VOSS-29838	Command "monitor ip vrrp stat gig verbose" causes switch to crash at 8.8
CFD-10127	SLPP-Guard, not triggered when inVSN ACL is configured on edge ports on a DVR Leaf
VOSS-29863	DVR redistributed routes are not cleared properly
CFD-10161	VOSS 8.10.1.0: DVR redistribute on BGP still announces already migrated hosts

Problems Resolved in This Release	
CFD-10162	40G-ESR4-QSFP400M-NT was not recognized as a 40G optic with AN, speed, interface and other MAC/PHY configurations not properly set
VOSS-29934	I-sid mirroring home to remote traffic is not forwarded by the BN
CFD-10179	"ip igmp static-group ... blocked" command fails to be saved correctly
VOSS-29980	VOSS switches deployed in fabric edge 10G uplink don't re-link properly after VOSS reboots
CFD-10216	After an upgrade to 8.10.1.0 passwords between 25 and 32 characters length are not accepted in EDM login
CFD-10232	5420: Incorrect logs when the power supply is not being powered up
CFD-10238	5720: Many ports were operationally down and not recoverable without a reboot
CFD-10243	Connectivity issue with the following log seen: " <i>COP-SW ERROR ercdProcArpRecMsg: Failed to Add Arp Record for IP A.B.C.D code 00010f9d</i> "
CFD-10253	The switch rebooted unexpectedly with core file when processing IPv6 packets
CFD-10265	DHCP-Snooping Trusted lost on LACP MLT interface on reboot
CFD-10266	77xx Platforms/8.10.x and 9.0 IPFIX Greyed Out/Not Configurable In EDM
VOSS-30019	Sustained above 80% CPU utilization pegging thread smltslave on the VIST slave node
VOSS-30035	BGP: Next-hop-self setting not saved across reboot
VOSS-30089	Intermittent - Traffic loss after MACSEC MKA key refresh
CFD-10364	The switch rebooted with core when doing a "show logging file name-of-file log.xxx include "mgmt"
VOSS-30125	Radius (RFC5176): Disconnect with VSA PORTBOUNCE needs to clear the session after bounce
CFD-10386	7x20: Multiple Power Supply Errors, 800W PSU Bouncing
VOSS-30126	intflash not readable when SFLOW is enabled and the port leading to collectors shuts down
VOSS-30149	show khi cpp port-statistics spbm-internal-ports moved back into dbg mode
CFD-10165, CFD-10245, CFD_10467, VOSS-30206	5320, 5420 v8.10.2.0 Switch crashes after first macsec SA key refresh

Fixes from Previous Releases
Fabric Engine 8.10.3.0 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, Fabric Engine 8.8.3.0, Fabric Engine 8.9.0.0 and Fabric Engine 8.10.2.0.

OUTSTANDING ISSUES:

Please see "Fabric Engine Release Notes for version 8.10.0" available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Issues.

KNOWN LIMITATIONS:

Please see "Fabric Engine Release Notes for version 8.10.0" 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.

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