

Customer Release Notes

Fabric Engine

Software Release 8.10.4.0

June 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 8.10.4.0 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)
5320.8.10.4.0_edoc.tar	Logs Reference	64583680
5320.8.10.4.0.md5	MD5 Checksums	470
5320.8.10.4.0_mib_sup.txt	MIB - supported object names	1542846
5320.8.10.4.0_mib.txt	MIB - objects in the OID compile order	8242124
5320.8.10.4.0_mib.zip	Archive of all MIB files	1231958
5320.8.10.4.0_oss-notice.html	Open-source software - Master copyright file	2785868
5320.8.10.4.0.sha512	SHA512 Checksums	1386
5320.8.10.4.0.voss	Software image	116518028
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)
5420.8.10.4.0_edoc.tar	Logs Reference	64583680
5420.8.10.4.0.md5	MD5 Checksums	470
5420.8.10.4.0_mib_sup.txt	MIB - supported object names	1541922
5420.8.10.4.0_mib.txt	MIB - objects in the OID compile order	8242124
5420.8.10.4.0_mib.zip	Archive of all MIB files	1231958
5420.8.10.4.0_oss-notice.html	Open-source software - Master copyright file	2785868
5420.8.10.4.0.sha512	SHA512 Checksums	1386
5420.8.10.4.0.voss	Software image	116194446
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)
5520.8.10.4.0_edoc.tar	Logs Reference	64583680
5520.8.10.4.0.md5	MD5 Checksums	470
5520.8.10.4.0_mib_sup.txt	MIB - supported object names	1540760
5520.8.10.4.0_mib.txt	MIB - objects in the OID compile order	8242124
5520.8.10.4.0_mib.zip	Archive of all MIB files	1231958
5520.8.10.4.0_oss-notice.html	Open-source software - Master copyright file	2785868
5520.8.10.4.0.sha512	SHA512 Checksums	1386
5520.8.10.4.0.voss	Software image	122385858
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)
5720.8.10.4.0_edoc.tar	Logs Reference	64583680
5720.8.10.4.0.md5	MD5 Checksums	603
5720.8.10.4.0_mib_sup.txt	MIB - supported object names	1547631
5720.8.10.4.0_mib.txt	MIB - objects in the OID compile order	8242124
5720.8.10.4.0_mib.zip	Archive of all MIB files	1231958
5720.8.10.4.0_oss-notice.html	Open-source software - Master copyright file	2785868
5720.8.10.4.0.sha512	SHA512 Checksums	1711
5720.8.10.4.0.voss	Software image	323538479
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)
7520.8.10.4.0_edoc.tar	Logs Reference	64583680
7520.8.10.4.0.md5	MD5 Checksums	603
7520.8.10.4.0_mib_sup.txt	MIB - supported object names	1543706
7520.8.10.4.0_mib.txt	MIB - objects in the OID compile order	8242124
7520.8.10.4.0_mib.zip	Archive of all MIB files	1231958
7520.8.10.4.0_oss-notice.html	Open-source software - Master copyright file	2785868
7520.8.10.4.0.sha512	SHA512 Checksums	1711
7520.8.10.4.0.voss	Software image	323851682
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)
7720.8.10.4.0_edoc.tar	Logs Reference	64583680
7720.8.10.4.0.md5	MD5 Checksums	603
7720.8.10.4.0_mib_sup.txt	MIB - supported object names	1541893
7720.8.10.4.0_mib.txt	MIB - objects in the OID compile order	8242124

File Name	Module or File Type	File Size (bytes)
7720.8.10.4.0_mib.zip	Archive of all MIB files	1231958
7720.8.10.4.0_oss-notice.html	Open-source software - Master copyright file	2785868
7720.8.10.4.0.sha512	SHA512 Checksums	1711
7720.8.10.4.0.voss	Software image	323842869
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 7720.8.10.4.0.voss
software activate 8.10.4.0.GA
```

or

```
software add 7520.8.10.4.0.voss
software activate 8.10.4.0.GA
```

or

```
software add 5720.8.10.4.0.voss
software activate 8.10.4.0.GA
```

or

```
software add 5520.8.10.4.0.voss
software activate 8.10.4.0.GA
```

or

```
software add 5420.8.10.4.0.voss
software activate 8.10.4.0.GA
```

or

```
software add 5320.8.10.4.0.voss
software activate 8.10.4.0.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-29161	Warning "Aux1 High Warning Monitoring Not Implemented" seen in logs
CFD-10083	EAPOL for IP Phones not working after upgrade from 8.10.0.0 to 8.10.2.0
CFD-10122	VOSS switch reported "KHI ERROR no more free proc entry, need to increase KHI_MAX_NUM_PROCESSES" message
CFD-10142	If the ZTP+ process is started before the switch can obtain an IP from DHCP and DNS, the ZTP+ process may fail
CFD-10153	5520 crashes with core file when Windows Server NLB Unicast or Multicast mode is used.
CFD-10189	When flow control boot config flag is set and there is multicast traffic in VLAN1, after some time, the control packets may not be sent out from CPU
CFD-10307	Enhanced debug capability for a rare case when I-SID disappears from V-IST peer, causing intermittent connectivity for clients – run " <i>dbg enable</i> " and " <i>sh-execute dumpBufferIsid</i> "
CFD-10309	SD-WAN/Fabric Extend tunnel is not working due to a hash collision
CFD-10397	A core switch crashed when running fulltech in a scaled environment
CFD-10398	IP-Adress in SNMP-Trap is displayed in wrong order
CFD-10404	DVR Leaf: After a reboot clients fail to get an IP address when the number of endpoints exceeds 256
CFD-10410	A switch may crash after executing CLI command " <i>certificate install-file <filename></i> "
CFD-10418, CFD-11048, CFD-11234	An improperly connected console port may lead to a socket leak and crash
CFD-10422	After disabling primary route to 10.52.250.224/28, the secondary (statically configured) route from a different VSP doesn't work
VOSS-30157	With stp-multi-homing enabled on V-IST peers, several IPs were not reachable after a peer restart
CFD-10448	A switch rebooted unexpectedly due to an internal incomplete message
CFD-10452	5320-16P/24P: STP multi homing doesn't work as expected
CFD-10464	4th OSPF interface cannot be changed to a different interface without reboot
CFD-10468	A switch unexpectedly rebooted when using internal debug show commands
CFD-10498	SLPP does not work for management VLAN when NNI is connected
CFD-10499	Debug added for an unexpected reboot related to a file descriptor leak
CFD-10515	7x00: ARP requests are not sent by the 7x00 to another switch in a MultiArea SPB setup
CFD-10596, CFD-10683	Slow memory leak leading to OOM crash
CFD-10601	ACL redirect next hop inVLAN does not work in 8.10

Problems Resolved in This Release	
CFD-10627	Experiencing high CPU utilization when switching from multicast lite to IGMP snooping (on L2VSNs), and also when multicast data is received in the management VLAN with no IP address configured
CFD-10633, CFD-11377	With auto-sense enabled, a switch rebooted unexpectedly due to an internal deadlock
CFD-10642	BGP route-policy-in set-preference is not working on reboot or BGP bounce unless BGP neighborhood is toggled or BGP is restarted
CFD-10649	A switch may crash when attempting to dump EEPROM for a non-SFP port
CFD-10695	Out of memory crash on low memory boxes potentially related to logging drop caches messages
CFD-10709	RESTCONF TACACS+ Authentication fails after 24h
CFD-10715	TRAP value is being sent as an INTEGER and not matching the InetPortNumber/Unsigned32 definition in the MIB
CFD-10721, CFD-10870	5320/5420 log file rolls over at 129k file size instead of default configuration of 1024k
CFD-10742	LACP ActorOperState cannot be removed until either a reboot or connection comes up
CFD-10747	CLI display issue for EAP Dynamic-MHSA
CFD-10780	Wrong high temperature (127 DegC) exceeds the shutdown threshold warning
CFD-10792	Change of Metric for static routes are not allowed through EDM
CFD-10798	When changing the description of an autosense port, Warning message repeats in EDM
VOSS-30389	Multiple BGP peers flaps after one link flap
CFD-10875	7x20: 100G-DACP-QSFP1M triggers "supported transceiver may require software upgrade" message
CFD-10885	10G-T-SF (10338) copper SFP will not link again if removed and re-inserted
CFD-11089	ZTP+ is not upgrading VOSS firmware, but shows "Successfully upgraded " in XIQ-SE
CFD-11139	BGP updates containing the Extended Community Attribute are not accepted, causing the associated routes to not be installed in the RTM
VOSS-30757	5720: Intermittent crash encountered when powering off/on one of 2 active PSUs
CFD-11184	5720: SNMP response is slow or missing with dual power supplies present

Fixes from Previous Releases

Fabric Engine 8.10.4.0 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 8.10.3.0.

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.
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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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