

Customer Release Notes

Fabric Engine

Software Release 9.1.3.0

September 2025

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 9.1.0.0” available at <https://www.extremenetworks.com/support/release-notes> for details about upgrading.

UPGRADE CONSIDERATIONS WHEN UPGRADING TO 9.1.3.0 FROM PREVIOUS RELEASES:

Please see “Fabric Engine Release Notes for version 9.1.0.0” available at <https://www.extremenetworks.com/support/release-notes> for details about upgrading.

PLATFORMS SUPPORTED:

Please see “Fabric Engine Release Notes for version 9.1.0.0” 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)
5320.9.1.3.0_edoc.tar	Logs Reference	63262720
5320.9.1.3.0.md5	MD5 Checksums	463
5320.9.1.3.0_mib_sup.txt	MIB - supported object names	1562422
5320.9.1.3.0_mib.txt	MIB - objects in the OID compile order	8375015
5320.9.1.3.0_mib.zip	Archive of all MIB files	1247574
5320.9.1.3.0_oss-notice.html	Open-source software - Master copyright file	2889456
5320.9.1.3.0.sha512	SHA512 Checksums	1378
5320.9.1.3.0.voss	Software image	122310195
FabricEnginev9.1.0_HELP_EDM_gzip	EDM Help file	5579528
restconf_yang.tgz	YANG model	506020

Extreme Switching 5420 Series

File Name	Module or File Type	File Size (bytes)
5420.9.1.3.0_edoc.tar	Logs Reference	63262720
5420.9.1.3.0.md5	MD5 Checksums	463
5420.9.1.3.0_mib_sup.txt	MIB - supported object names	1562188
5420.9.1.3.0_mib.txt	MIB - objects in the OID compile order	8375015
5420.9.1.3.0_mib.zip	Archive of all MIB files	1247574
5420.9.1.3.0_oss-notice.html	Open-source software - Master copyright file	2889456
5420.9.1.3.0.sha512	SHA512 Checksums	1378
5420.9.1.3.0.voss	Software image	121998580
FabricEnginev9.1.0_HELP_EDM_gzip	EDM Help file	5579528
restconf_yang.tgz	YANG model	506020

Extreme Switching 5520 Series

File Name	Module or File Type	File Size (bytes)
5520.9.1.3.0_edoc.tar	Logs Reference	63262720
5520.9.1.3.0.md5	MD5 Checksums	463
5520.9.1.3.0_mib_sup.txt	MIB - supported object names	1561139
5520.9.1.3.0_mib.txt	MIB - objects in the OID compile order	8375015
5520.9.1.3.0_mib.zip	Archive of all MIB files	1247574
5520.9.1.3.0_oss-notice.html	Open-source software - Master copyright file	2889456
5520.9.1.3.0.sha512	SHA512 Checksums	1378
5520.9.1.3.0.voss	Software image	130298226

File Name	Module or File Type	File Size (bytes)
FabricEnginev9.1.0_HELP_EDM_gzip	EDM Help file	5579528
restconf_yang.tgz	YANG model	506020

Extreme Switching 5720 Series

File Name	Module or File Type	File Size (bytes)
5720.9.1.3.0_edoc.tar	Logs Reference	63262720
5720.9.1.3.0.md5	MD5 Checksums	596
5720.9.1.3.0_mib_sup.txt	MIB - supported object names	1567897
5720.9.1.3.0_mib.txt	MIB - objects in the OID compile order	8375015
5720.9.1.3.0_mib.zip	Archive of all MIB files	1247574
5720.9.1.3.0_oss-notice.html	Open-source software - Master copyright file	2889456
5720.9.1.3.0.sha512	SHA512 Checksums	1703
5720.9.1.3.0.voss	Software image	327679336
FabricEnginev9.1.0_HELP_EDM_gzip	EDM Help file	5579528
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)
7520.9.1.3.0_edoc.tar	Logs Reference	63262720
7520.9.1.3.0.md5	MD5 Checksums	596
7520.9.1.3.0_mib_sup.txt	MIB - supported object names	1563972
7520.9.1.3.0_mib.txt	MIB - objects in the OID compile order	8375015
7520.9.1.3.0_mib.zip	Archive of all MIB files	1247574
7520.9.1.3.0_oss-notice.html	Open-source software - Master copyright file	2889456
7520.9.1.3.0.sha512	SHA512 Checksums	1703
7520.9.1.3.0.voss	Software image	327971884
FabricEnginev9.1.0_HELP_EDM_gzip	EDM Help file	5579528
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)
7720.9.1.3.0_edoc.tar	Logs Reference	63262720
7720.9.1.3.0.md5	MD5 Checksums	596
7720.9.1.3.0_mib_sup.txt	MIB - supported object names	1562159
7720.9.1.3.0_mib.txt	MIB - objects in the OID compile order	8375015
7720.9.1.3.0_mib.zip	Archive of all MIB files	1247574
7720.9.1.3.0_oss-notice.html	Open-source software - Master copyright file	2889456
7720.9.1.3.0.sha512	SHA512 Checksums	1703
7720.9.1.3.0.voss	Software image	327994116
FabricEnginev9.1.0_HELP_EDM_gzip	EDM Help file	5579528
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 7720.9.1.3.0.voss
software activate 9.1.3.0.GA
```

or

```
software add 7520.9.1.3.0.voss
software activate 9.1.3.0.GA
```

or

```
software add 5720.9.1.3.0.voss
software activate 9.1.3.0.GA
```

or

```
software add 5520.9.1.3.0.voss
software activate 9.1.3.0.GA
```

or

```
software add 5420.9.1.3.0.voss
software activate 9.1.3.0.GA
```

or

```
software add 5320.9.1.3.0.voss
```

```
software activate 9.1.3.0.GA
```

CHANGES IN THIS RELEASE:

New Features in This Release

None

Old Features Removed From This Release

None

Problems Resolved in This Release

CFD-12455	5420, 5320: MAC learning/authentication from LLDP packets when the MACSEC flag was configured.
CFD-12921	ARP Spoofing: In the log the system detected duplicate IP and MAC correctly, but without blocking the MAC
CFD-12987	Unicast flooded packets hitting both vIST nodes due to the gateway MAC address missing are being dropped downstream by both vIST nodes and not routed out to devices on SMLT
CFD-13404	Intermittent authentication failures when TACACS+ Single connection mode is used on switch and multiple connection mode on TACACS Server
CFD-13498	Cluster member advertises wrong Virtual BMAC after receiving configuration from XIQ-SE workflow
CFD-13575	7x20: FabricIPSecGW_VM_5.2.0.0.ova stopped working after upgrade from 9.0.4 to 9.1.0
CFD-13656	Frequent VRRP v3 transitions on multiple VLANs
CFD-13782	Previously working NNI link doesn't come up after a switch reboot and stays in NNI-AUTH-FAIL auto-sense state on one end and NNI-ONBOARDING on the other switch
CFD-13876	Flex-UNI and ISIS configuration is allowed on same port if Flex-UNI command was issued prior to ISIS command
CFD-14170	"TPVM_Ubuntu20.04_04_14Apr2022.qcow2" file-checksum results mismatch with the Extreme portal
CFD-14236	The output of commands "show isis spbm unicast-fib" and "show isis spbm unicast-fib summary" are the same
CFD-14253	7520-48YE-8CE: Port 1/53 using 100GBLR4 or 100GbLR1 is not coming up after 9.1.0
CFD-14261	An unexpected reboot with core file may be encountered when 'show ip dhcp-server leases' command is executed concurrently from 2 CLI sessions
CFD-14292	Can configure a secondary VRRP IP using the same subnet via the web interface and not CLI
CFD-14326	In EDM, DHCP Snoop Bindings shows only the HEX value of the IP addresses, under the address column, instead of the standard IP address format within Enterprise Device Manager
CFD-14369	With a particular configuration for Extreme-Dynamic-ACL VSAs, a switch may reboot due to a memory leak
CFD-14395	Looped AUTO-SENSE ports show as NNI in 'show int gig auto-sense' instead of LOOP
CFD-14456	"default logging level" does not apply the specified value in the command
CFD-14524, CFD-14783	If a management VLAN with VLAN ID 4047 is manually configured (instead of using the SDWAN auto-created one) then the interface might not respond to ICMP/ARP requests
CFD-14540	EDM: RemoteAddr and UpdateSourceInterface are not displayed correctly in BGP peer tab

Problems Resolved in This Release	
VOSS-33759	High CPU utilization may be encountered on the edge node in a vIST configuration due to core IPV6 routed traffic(L2VSN) using the nodal BMAC as source BMAC, which causes a continuous mac migration while IPv4 routed traffic is also received by that node
CFD-14848	iBGP peers are not updating properly when attempting to use AS_PATH prepending to change the route, which is causing routing issues
CFD-14949	A switch may unexpectedly reboot with core file after BGP peer bounce

Fixes from Previous Releases
Fabric Engine 9.1.3.0 incorporates all fixes and content from previous releases including Fabric Engine 8.10.8.0, Fabric Engine 9.0.5.1 and Fabric Engine 9.1.2.0.

OUTSTANDING ISSUES:

CFD-11778	A loop may occur for few seconds before LACP SMLT comes up A fix for this issue is available starting with 9.3.0.0 release
CFD-12633	5420: In rare cases, PoE may stop working after a SW upgrade from releases 8.8.x and earlier due to a firmware update/initialization error: POE ERROR POE Board Initialization failure (unable to download firmware POE is OUT OF SERVICE) Workaround: If this error is encountered a power cycle of the switch will recover PoE
CFD-13260	L3 connectivity lost to all devices over the Fabric Extend link when ISIS remote is enabled, but there is no ISIS remote interface Workaround: disable ISIS remote A fix for this issue is available starting with 9.3.0.0 release
CFD-13322	IPv6 FHS DHCP-Snooping does not work in Fabric mode A fix for this issue is available starting with 9.3.0.0 release
CFD-13329	ARP Inspection: Intermittent connectivity issues when ARP Inspection is enabled on a Fabric node A fix for this issue is available starting with 9.3.0.0 release
CFD-13455	In a vIST configuration, a short outage may occur after a DVR leaf reboots
CFD-13592	Multi-rate ports may stop working if there are frequent auto-negotiation changes on that port. This occurs only on the flex-uni ports when the I-SID they are part of has no platform VLAN associated. The first 16 ports of 5420F-16MW-32P-4XE or 5420M-16MW-32P-4YE may be affected by this issue. Workaround: preventive: associate platform VLAN to the I-SID / corrective: reboot
CFD-13639	In a MA environment, prefixes might be installed wrongly on OSPF ASBR routing table
CFD-13833	Endpoint-tracking enabled on MLT causes MLT to flap
CFD-14159	EAP packets hitting CPU even when ingress on NNI
CFD-14867	Many indiscards packets are observed on the management interface
CFD-14921	5320-16P-2MXT-2X: Incorrectly programmed tables can result in MAC learning issues

Please see "Fabric Engine Release Notes for version 9.1.0.0" available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Issues.

KNOWN LIMITATIONS:

Please see "Fabric Engine Release Notes for version 9.1.0.0" 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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