

Customer Release Notes

Fabric Engine

Software Release 9.1.2.0

June 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 9.1.2.0 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)
5320.9.1.2.0_edoc.tar	Logs Reference	63262720
5320.9.1.2.0.md5	MD5 Checksums	463
5320.9.1.2.0_mib_sup.txt	MIB - supported object names	1562422
5320.9.1.2.0_mib.txt	MIB - objects in the OID compile order	8375015
5320.9.1.2.0_mib.zip	Archive of all MIB files	1247574
5320.9.1.2.0_oss-notice.html	Open-source software - Master copyright file	2889456
5320.9.1.2.0.sha512	SHA512 Checksums	1378
5320.9.1.2.0.voss	Software image	122031709
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)
5420.9.1.2.0_edoc.tar	Logs Reference	63262720
5420.9.1.2.0.md5	MD5 Checksums	463
5420.9.1.2.0_mib_sup.txt	MIB - supported object names	1562188
5420.9.1.2.0_mib.txt	MIB - objects in the OID compile order	8375015
5420.9.1.2.0_mib.zip	Archive of all MIB files	1247574
5420.9.1.2.0_oss-notice.html	Open-source software - Master copyright file	2889456
5420.9.1.2.0.sha512	SHA512 Checksums	1378
5420.9.1.2.0.voss	Software image	121720104
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)
5520.9.1.2.0_edoc.tar	Logs Reference	63262720
5520.9.1.2.0.md5	MD5 Checksums	463
5520.9.1.2.0_mib_sup.txt	MIB - supported object names	1561139
5520.9.1.2.0_mib.txt	MIB - objects in the OID compile order	8375015
5520.9.1.2.0_mib.zip	Archive of all MIB files	1247574
5520.9.1.2.0_oss-notice.html	Open-source software - Master copyright file	2889456
5520.9.1.2.0.sha512	SHA512 Checksums	1378
5520.9.1.2.0.voss	Software image	130279289

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)
5720.9.1.2.0_edoc.tar	Logs Reference	63262720
5720.9.1.2.0.md5	MD5 Checksums	596
5720.9.1.2.0_mib_sup.txt	MIB - supported object names	1567897
5720.9.1.2.0_mib.txt	MIB - objects in the OID compile order	8375015
5720.9.1.2.0_mib.zip	Archive of all MIB files	1247574
5720.9.1.2.0_oss-notice.html	Open-source software - Master copyright file	2889456
5720.9.1.2.0.sha512	SHA512 Checksums	1703
5720.9.1.2.0.voss	Software image	327640400
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)
7520.9.1.2.0_edoc.tar	Logs Reference	63262720
7520.9.1.2.0.md5	MD5 Checksums	596
7520.9.1.2.0_mib_sup.txt	MIB - supported object names	1563972
7520.9.1.2.0_mib.txt	MIB - objects in the OID compile order	8375015
7520.9.1.2.0_mib.zip	Archive of all MIB files	1247574
7520.9.1.2.0_oss-notice.html	Open-source software - Master copyright file	2889456
7520.9.1.2.0.sha512	SHA512 Checksums	1703
7520.9.1.2.0.voss	Software image	327971538
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)
7720.9.1.2.0_edoc.tar	Logs Reference	63262720
7720.9.1.2.0.md5	MD5 Checksums	596
7720.9.1.2.0_mib_sup.txt	MIB - supported object names	1562159
7720.9.1.2.0_mib.txt	MIB - objects in the OID compile order	8375015
7720.9.1.2.0_mib.zip	Archive of all MIB files	1247574
7720.9.1.2.0_oss-notice.html	Open-source software - Master copyright file	2889456
7720.9.1.2.0.sha512	SHA512 Checksums	1703
7720.9.1.2.0.voss	Software image	327978276
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 7720.9.1.2.0.voss
software activate 9.1.2.0.GA
```

or

```
software add 7520.9.1.2.0.voss
software activate 9.1.2.0.GA
```

or

```
software add 5720.9.1.2.0.voss
software activate 9.1.2.0.GA
```

or

```
software add 5520.9.1.2.0.voss
software activate 9.1.2.0.GA
```

or

```
software add 5420.9.1.2.0.voss
software activate 9.1.2.0.GA
```

or

software add 5320.9.1.2.0.voss

software activate 9.1.2.0.GA

CHANGES IN THIS RELEASE:

New Features in This Release

None

Old Features Removed From This Release

None

Problems Resolved in This Release

CFD-12424	"OUTLOSS PACKETS" under port Stats may show incrementing in error for certain hw platforms
CFD-12573	When receiving multicast configuration via RADIUS, SPBM multicast was enabled, but it didn't show in configuration
CFD-12826	Node not able to obtain a nick-name from server
CFD-12893	Front Panel LEDs for 5320-16/24/48 are not working as expected
CFD-13078	snmpbulkwalk or a walk from a 3 rd party monitoring software timeout
CFD-13100	5320: After an upgrade to SW 9.1.0, optics are not detected in certain ports
CFD-13117	EAPOL enabled VoIP Phones drop from DHCP-binding table after 48 hours and remain online
CFD-13177	Multicast traffic not forwarding to IGMP static ports after IGMP join/leave packet from client on IGMP static ports with multicast-lite
CFD-13185	Routing not working on a specific setup where a node may join the network having an instant nick-name assigned which is then quickly changed, either through a dynamic assignment or a static change
CFD-13304	IGMP reports received on NNIs are hitting CPU even if IGMP snooping is disabled on VLAN; IPv6 reserved address multicast packets with destination 0xff02::0/64 getting copied to CPU even when the IPv6 interface is disabled on VLAN
CFD-13321	A switch may reboot due to improper serialization of operations on ISIS internal data structures
CFD-13352	LLDP neighbor capabilities are no longer visible using RESTCONF
CFD-13360	VLAN tagged packets with ID of zero and non-zero priority are discarded when EAPOL is used
CFD-13385	If the destination IP is not local, the route next hop ARP entry is not used
CFD-13432	MACsec: A tunnel failed to establish after a MKPDU error
CFD-13466	7520: Incorrect channelization log messages
CFD-13505	When "tcp adjust-mss" is used and the port is EAP authenticated (with RAV)(MHMV mode) TCP sessions through the box cannot be established
VOSS-32746	Configuration of SSH via SNMP can result in SSH being non-functional
CFD-13629	GUI is lacking much of the information shown in the CLI for DHCP-Server
CFD-13653	OSPF Neighbor adjacency mismatch (if Interface type is Broadcast on one end and P2P on another end) is not detected and logged
CFD-13668	Upstream BGP IPv6 neighbors flap when downstream neighbors failover/state change
CFD-13775	When adding a new Anycast GW MAC to the I-SID description TLV, not enough space allocated for the sub-TLV header may lead to IP GW reachability issues

Problems Resolved in This Release

CFD-13820, CFD-14005	A hive agent core file may be generated after running "sys shutdown" and bringing the device up
CFD-13945	Tx and Rx Actual Value is not visible on EDM for SFP type AA1404001-E6
VOSS-33145	In specific conditions, ISIS ABR's packets in and out of the management VLAN are being duplicated

Fixes from Previous Releases

Fabric Engine 9.1.2.0 incorporates all fixes and content from previous releases including Fabric Engine 8.10.7.0, Fabric Engine 9.0.5.1 and Fabric Engine 9.1.1.0.

OUTSTANDING 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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