

# Customer Release Notes

## Fabric Engine

Software Release 9.2.1.1

July 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/](http://www.extremenetworks.com/support/)

### NEW IN THIS RELEASE:

None.

### IMPORTANT NOTES BEFORE UPGRADING TO THIS RELEASE:

Please see “Fabric Engine Release Notes for version 9.2.0.0” available at <https://www.extremenetworks.com/support/release-notes> for details about upgrading.

### UPGRADE CONSIDERATIONS WHEN UPGRADING TO 9.2.1.1 FROM PREVIOUS RELEASES:

Please see “Fabric Engine Release Notes for version 9.2.0.0” available at <https://www.extremenetworks.com/support/release-notes> for details about upgrading.

### PLATFORMS SUPPORTED:

Please see “Fabric Engine Release Notes for version 9.2.0.0” available at <https://www.extremenetworks.com/support/release-notes> for details regarding supported platforms.

**FILE NAMES FOR THIS RELEASE:**

## Extreme Switching 4220 Series

File Name	Module or File Type	File Size (bytes)
4220.9.2.1.1_edoc.tar	Logs Reference	39833600
4220.9.2.1.1.md5	MD5 Checksums	463
4220.9.2.1.1_mib_sup.txt	MIB - supported object names	1446981
4220.9.2.1.1_mib.txt	MIB - objects in the OID compile order	8657615
4220.9.2.1.1_mib.zip	Archive of all MIB files	1284341
4220.9.2.1.1_oss-notice.html	Open-source software - Master copyright file	2889456
4220.9.2.1.1.sha512	SHA512 Checksums	1378
4220.9.2.1.1.voss	Software image	113781281
FabricEnginev9.1.0_HELP_EDM_gzip	EDM Help file	5579528
restconf_yang.tgz	YANG model	506020

## Extreme Switching 5320 Series

File Name	Module or File Type	File Size (bytes)
5320.9.2.1.1_edoc.tar	Logs Reference	39843840
5320.9.2.1.1.md5	MD5 Checksums	463
5320.9.2.1.1_mib_sup.txt	MIB - supported object names	1570578
5320.9.2.1.1_mib.txt	MIB - objects in the OID compile order	8657615
5320.9.2.1.1_mib.zip	Archive of all MIB files	1284341
5320.9.2.1.1_oss-notice.html	Open-source software - Master copyright file	2889456
5320.9.2.1.1.sha512	SHA512 Checksums	1378
5320.9.2.1.1.voss	Software image	116284751
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)
5420.9.2.1.1_edoc.tar	Logs Reference	39843840
5420.9.2.1.1.md5	MD5 Checksums	463
5420.9.2.1.1_mib_sup.txt	MIB - supported object names	1570344
5420.9.2.1.1_mib.txt	MIB - objects in the OID compile order	8657615
5420.9.2.1.1_mib.zip	Archive of all MIB files	1284341
5420.9.2.1.1_oss-notice.html	Open-source software - Master copyright file	2889456
5420.9.2.1.1.sha512	SHA512 Checksums	1378
5420.9.2.1.1.voss	Software image	115780572

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 5520 Series

File Name	Module or File Type	File Size (bytes)
5520.9.2.1.1_edoc.tar	Logs Reference	39843840
5520.9.2.1.1.md5	MD5 Checksums	463
5520.9.2.1.1_mib_sup.txt	MIB - supported object names	1569179
5520.9.2.1.1_mib.txt	MIB - objects in the OID compile order	8657615
5520.9.2.1.1_mib.zip	Archive of all MIB files	1284341
5520.9.2.1.1_oss-notice.html	Open-source software - Master copyright file	2889456
5520.9.2.1.1.sha512	SHA512 Checksums	1378
5520.9.2.1.1.voss	Software image	127228845
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)
5720.9.2.1.1_edoc.tar	Logs Reference	39843840
5720.9.2.1.1.md5	MD5 Checksums	596
5720.9.2.1.1_mib_sup.txt	MIB - supported object names	1575937
5720.9.2.1.1_mib.txt	MIB - objects in the OID compile order	8657615
5720.9.2.1.1_mib.zip	Archive of all MIB files	1284341
5720.9.2.1.1_oss-notice.html	Open-source software - Master copyright file	2889456
5720.9.2.1.1.sha512	SHA512 Checksums	1703
5720.9.2.1.1.voss	Software image	324580141
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)
7520.9.2.1.1_edoc.tar	Logs Reference	39843840
7520.9.2.1.1.md5	MD5 Checksums	596
7520.9.2.1.1_mib_sup.txt	MIB - supported object names	1571930

File Name	Module or File Type	File Size (bytes)
7520.9.2.1.1_mib.txt	MIB - objects in the OID compile order	8657615
7520.9.2.1.1_mib.zip	Archive of all MIB files	1284341
7520.9.2.1.1_oss-notice.html	Open-source software - Master copyright file	2889456
7520.9.2.1.1.sha512	SHA512 Checksums	1703
7520.9.2.1.1.voss	Software image	324886246
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)
7720.9.2.1.1_edoc.tar	Logs Reference	39843840
7720.9.2.1.1.md5	MD5 Checksums	596
7720.9.2.1.1_mib_sup.txt	MIB - supported object names	1570117
7720.9.2.1.1_mib.txt	MIB - objects in the OID compile order	8657615
7720.9.2.1.1_mib.zip	Archive of all MIB files	1284341
7720.9.2.1.1_oss-notice.html	Open-source software - Master copyright file	2889456
7720.9.2.1.1.sha512	SHA512 Checksums	1703
7720.9.2.1.1.voss	Software image	324892327
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 7720.9.2.1.1.voss
software activate 9.2.1.1.GA
```

**or**

```
software add 7520.9.2.1.1.voss
software activate 9.2.1.1.GA
```

**or**

```
software add 5720.9.2.1.1.voss
software activate 9.2.1.1.GA
```

**or**

```
software add 5520.9.2.1.1.voss
software activate 9.2.1.1.GA
```

**or**

```
software add 5420.9.2.1.1.voss
software activate 9.2.1.1.GA
```

**or**

```
software add 5320.9.2.1.1.voss
software activate 9.2.1.1.GA
```

**or**

```
software add 4220.9.2.1.1.voss
software activate 9.2.1.1.GA
```

**CHANGES IN THIS RELEASE:****New Features in This Release**

None

**Old Features Removed From This Release**

None

**Problems Resolved in This Release**

CFD-13263	A switch may reboot with a core-dump when a large number of access points are connected with mesh backhaul and continuous high volume of MAC movement is encountered
CFD-13782	NNI link stays in NNI-AUTH-FAIL&NNI-ONBOARDING state after reboot
CFD-13809	After issuing “ <i>default all</i> ” command, some LLDP configuration lines remain
CFD-13867	If an anycast gateway router in a remote area is selected by the BN before it is in a forwarding state, traffic cannot be bridged from one area to another
CFD-13928	While configured with BGP route aggregation, a switch is sending updates for specific route withdraw
CFD-14079	IS-IS adjacency comes up and port remains stuck in NNI-ONBOARDING Auto-Sense state if the neighbor port has manual IS-IS configured, leading to packet loss and latency

**Problems Resolved in This Release**

CFD-14266	After rebooting a vIST peer the virtual BMAC is announced in the network prior to the vIST recovery resulting in traffic being dropped for a short period of time (approx. 6 secs)
CFD-13916, CFD-14132, CFD-14231, CFD-14418, VOSS-33625	When Node Alias is enabled, a memory pointer reference stored within internal data structures may be corrupted when a MAC is present in multiple VLANs, with or without I-SID. This could lead to a switch reboot.

**Fixes from Previous Releases**

Fabric Engine 9.2.1.1 incorporates all fixes and content from previous releases including Fabric Engine 8.10.7.0, Fabric Engine 9.0.5.1, Fabric Engine 9.1.2.0 and Fabric Engine 9.2.1.0.

**OUTSTANDING ISSUES:**

Please see "Fabric Engine Release Notes for version 9.2.0.0" available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Issues.

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) <b>Workaround:</b> If this error is encountered a power cycle of the switch or alternatively downgrading to the VOSS 8.8.x code stream may recover PoE
CFD-13210	Configuration of SSH via SNMP can result in SSH being non-functional <b>Workaround: preventive:</b> avoid using SNMP to configure SSH / <b>corrective:</b> reboot
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 <b>Workaround:</b> disable ISIS remote
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. <b>Workaround: preventive:</b> associate platform VLAN to the I-SID / <b>corrective:</b> reboot
CFD-13825	In a scaled environment with a large number of OSPF routes a race condition exists when applying redistribution commands back to back for multiple source protocols which may leave a route reference counter incorrect. Subsequent loss of an impacted route will result in traffic not being rerouted properly. <b>Workaround:</b> This can be avoided by spacing " <i>ip ospf apply redistribute &lt;protocol&gt;   ip ospf apply redistribute &lt;protocol&gt; vrf &lt;vrf_name&gt;</i> " commands by several seconds, or by applying redistribution without a source protocol: " <i>ip ospf apply redistribute   ip ospf apply redistribute vrf &lt;vrf_name&gt;</i> "
CFD-14065	For ECMP default route (0.0.0.0/0), traffic may be incorrectly routed when a lower cost route replaces an existing one <b>Workaround:</b> no ip routing/ ip routing

**KNOWN LIMITATIONS:**

Please see "Fabric Engine Release Notes for version 9.2.0.0" 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/](http://www.extremenetworks.com/support/)

By Email: [support@extremenetworks.com](mailto:support@extremenetworks.com)

By Web: [www.extremenetworks.com/support/](http://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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