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Customer Release Notes

Fabric Engine

Software Release 9.3.4.0

August 2026

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 9.3.0.0” available at
https://www.extremenetworks.com/support/release-notes

UPGRADE CONSIDERATIONS WHEN UPGRADING TO 9.3.4.0 FROM PREVIOUS RELEASES:

Please see “Fabric Engine Release Notes for version 9.3.0.0” available at
https://www.extremenetworks.com/support/release-notes

This release contains a corrected OSPF HMAC-SHA (SHA-1 and SHA-256) hash calculation that fixes interoperability with other vendors but is not backwards compatible with previous VOSS releases (VOSS-35194). Before upgrade, the OSPF authentication should be disabled on OSPF adjacencies to avoid extended OSPF routing interruption and re-enable it after both OSPF peers are upgraded to 9.3.3 or later releases.

PLATFORMS SUPPORTED:

Please see “Fabric Engine Release Notes for version 9.3.0.0” 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)
4220.9.3.4.0_edoc.tar	Logs Reference	39976960
4220.9.3.4.0.md5	MD5 Checksums	463
4220.9.3.4.0_mib_sup.txt	MIB - supported object names	1456969
4220.9.3.4.0_mib.txt	MIB - objects in the OID compile order	8700279
4220.9.3.4.0_mib.zip	Archive of all MIB files	1289344
4220.9.3.4.0_oss-notice.html	Open-source software - Master copyright file	2596248
4220.9.3.4.0.sha512	SHA512 Checksums	1378
4220.9.3.4.0.voss	Software image	110706950
FabricEnginev9.3.0_HELP_EDM_gzip.zip	EDM Help file	5119759
restconf_yang.tgz	YANG model	506020

Extreme Switching 5320 Series

File Name	Module or File Type	File Size (bytes)
5320.9.3.4.0_edoc.tar	Logs Reference	39997440
5320.9.3.4.0.md5	MD5 Checksums	463
5320.9.3.4.0_mib_sup.txt	MIB - supported object names	1580655
5320.9.3.4.0_mib.txt	MIB - objects in the OID compile order	8700279
5320.9.3.4.0_mib.zip	Archive of all MIB files	1289344
5320.9.3.4.0_oss-notice.html	Open-source software - Master copyright file	2596248
5320.9.3.4.0.sha512	SHA512 Checksums	1378
5320.9.3.4.0.voss	Software image	113016943
FabricEnginev9.3.0_HELP_EDM_gzip.zip	EDM Help file	5119759
restconf_yang.tgz	YANG model	506020

Extreme Switching 5420 Series

File Name	Module or File Type	File Size (bytes)
5420.9.3.4.0_edoc.tar	Logs Reference	39997440
5420.9.3.4.0.md5	MD5 Checksums	463
5420.9.3.4.0_mib_sup.txt	MIB - supported object names	1580421
5420.9.3.4.0_mib.txt	MIB - objects in the OID compile order	8700279
5420.9.3.4.0_mib.zip	Archive of all MIB files	1289344
5420.9.3.4.0_oss-notice.html	Open-source software - Master copyright file	2596248
5420.9.3.4.0.sha512	SHA512 Checksums	1378
5420.9.3.4.0.voss	Software image	112699729

File Name	Module or File Type	File Size (bytes)
FabricEnginev9.3.0_HELP_EDM_gzip.zip	EDM Help file	5119759
restconf_yang.tgz	YANG model	506020

Extreme Switching 5520 Series

File Name	Module or File Type	File Size (bytes)
5520.9.3.4.0_edoc.tar	Logs Reference	39997440
5520.9.3.4.0.md5	MD5 Checksums	463
5520.9.3.4.0_mib_sup.txt	MIB - supported object names	1579256
5520.9.3.4.0_mib.txt	MIB - objects in the OID compile order	8700279
5520.9.3.4.0_mib.zip	Archive of all MIB files	1289344
5520.9.3.4.0_oss-notice.html	Open-source software - Master copyright file	2596248
5520.9.3.4.0.sha512	SHA512 Checksums	1378
5520.9.3.4.0.voss	Software image	127736024
FabricEnginev9.3.0_HELP_EDM_gzip.zip	EDM Help file	5119759
restconf_yang.tgz	YANG model	506020

Extreme Switching 5720 Series

File Name	Module or File Type	File Size (bytes)
5720.9.3.4.0_edoc.tar	Logs Reference	39997440
5720.9.3.4.0.md5	MD5 Checksums	596
5720.9.3.4.0_mib_sup.txt	MIB - supported object names	1586014
5720.9.3.4.0_mib.txt	MIB - objects in the OID compile order	8700279
5720.9.3.4.0_mib.zip	Archive of all MIB files	1289344
5720.9.3.4.0_oss-notice.html	Open-source software - Master copyright file	2596248
5720.9.3.4.0.sha512	SHA512 Checksums	1703
5720.9.3.4.0.voss	Software image	324884472
FabricEnginev9.3.0_HELP_EDM_gzip.zip	EDM Help file	5119759
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)
7520.9.3.4.0_edoc.tar	Logs Reference	39997440
7520.9.3.4.0.md5	MD5 Checksums	596
7520.9.3.4.0_mib_sup.txt	MIB - supported object names	1581925

File Name	Module or File Type	File Size (bytes)
7520.9.3.4.0_mib.txt	MIB - objects in the OID compile order	8700279
7520.9.3.4.0_mib.zip	Archive of all MIB files	1289344
7520.9.3.4.0_oss-notice.html	Open-source software - Master copyright file	2596248
7520.9.3.4.0.sha512	SHA512 Checksums	1703
7520.9.3.4.0.voss	Software image	325190584
FabricEnginev9.3.0_HELP_EDM_gzip.zip	EDM Help file	5119759
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)
7720.9.3.4.0_edoc.tar	Logs Reference	39997440
7720.9.3.4.0.md5	MD5 Checksums	596
7720.9.3.4.0_mib_sup.txt	MIB - supported object names	1580112
7720.9.3.4.0_mib.txt	MIB - objects in the OID compile order	8700279
7720.9.3.4.0_mib.zip	Archive of all MIB files	1289344
7720.9.3.4.0_oss-notice.html	Open-source software - Master copyright file	2596248
7720.9.3.4.0.sha512	SHA512 Checksums	1703
7720.9.3.4.0.voss	Software image	325177474
FabricEnginev9.3.0_HELP_EDM_gzip.zip	EDM Help file	5119759
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 7830 Series

File Name	Module or File Type	File Size (bytes)
7830.9.3.4.0_edoc.tar	Logs Reference	39976960
7830.9.3.4.0.md5	MD5 Checksums	463
7830.9.3.4.0_mib_sup.txt	MIB - supported object names	1581925
7830.9.3.4.0_mib.txt	MIB - objects in the OID compile order	8700279
7830.9.3.4.0_mib.zip	Archive of all MIB files	1289344
7830.9.3.4.0_oss-notice.html	Open-source software - Master copyright file	2596248
7830.9.3.4.0.sha512	SHA512 Checksums	1378
7830.9.3.4.0.voss	Software image	411935933
FabricEnginev9.3.0_HELP_EDM_gzip.zip	EDM Help file	5119759

File Name	Module or File Type	File Size (bytes)
restconf_yang.tgz	YANG model	506020

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 7720.9.3.4.0.voss
software activate 9.3.4.0.GA
```

or

```
software add 7520.9.3.4.0.voss
software activate 9.3.4.0.GA
```

or

```
software add 5720.9.3.4.0.voss
software activate 9.3.4.0.GA
```

or

```
software add 5520.9.3.4.0.voss
software activate 9.3.4.0.GA
```

or

```
software add 5420.9.3.4.0.voss
software activate 9.3.4.0.GA
```

or

```
software add 5320.9.3.4.0.voss
software activate 9.3.4.0.GA
```

or

```
software add 4220.9.3.4.0.voss
software activate 9.3.4.0.GA
```

or

```
software add 7830.9.3.4.0.voss
software activate 9.3.4.0.GA
```

CHANGES IN THIS RELEASE:

New Features in This Release
None

Old Features Removed From This Release
None

Problems Resolved in This Release	
VOSS-35545	The time-zone database does not reflect upcoming permanent UTC offset changes for Alberta, Northwest Territories, and British Columbia in Canada, causing incorrect time conversions.
CFD-17901	On the 5520-24X, 1G fiber SFP links with auto-negotiation enabled fail to establish after upgrading from 9.2.2.0 to 9.3.3.0, with the remote side showing the link as down.

Fixes from Previous Releases
Fabric Engine 9.3.4.0 incorporates all fixes and content from previous releases including Fabric Engine 8.10.9.0, Fabric Engine 9.0.5.1, Fabric Engine 9.1.3.0, Fabric Engine 9.2.3.0 and Fabric Engine 9.3.3.0.

OUTSTANDING ISSUES:

Please see “Fabric Engine Release Notes for version 9.3.0.0” available at https://www.extremenetworks.com/support/release-notes for details regarding Known Issues.

CFD-13433	RESTCONF TACACS+ authentication fails intermittently after extended uptime, requiring the RESTCONF application to be restarted. A fix for this issue is targeted for VOSS 9.4.2.0 release.
CFD-13639	In an MA environment, prefixes might be installed wrongly on OSPF ASBR routing table A fix for this issue is available starting with 9.4.0.0 release.
CFD-14993	Silent devices that send only a few GARP packets within the first seconds after link-up fail to authenticate via NEAP on auto-sense ports. **Workaround**: Use manual EAP configuration with auto-sense disabled or configure auto-sense data i-sid at port level. A fix for this issue is available starting with VOSS 9.4.0.0 release.
CFD-15355	Wireless clients on FA dynamic VLANs fail to get DHCP IP address when DHCP snooping is enabled. **Workaround**: Disable DHCP snooping globally. A fix for this issue is targeted for 9.5.0.0 release.
CFD-15424	A loop may occur for few seconds between the moment the SMLTs and auto-sense NNIs are brought UP and the moment the vIST comes UP. **Workaround**: have the VIST NNI converted to static. A fix for this issue is available starting with 9.4.0.0 release.
CFD-15920	After changing the L3VSN I-SID on a VRF, routes in the VRF are installed in the dataplane with an egress object pointing to the old I-SID, causing loss of reachability until the switch is rebooted. A fix for this issue is available starting with VOSS 9.4.0.0 release.
CFD-16361	A memory leak may occur when processing NodeAlias IPv4 protocol info entries. **Workaround**: Globally disable node-alias or Disable node-alias on ports without auto-sense enabled. A fix for this issue is available starting with VOSS 9.4.1.0 release.

CFD-16720	On PoE capable switches, the PD detection type configuration change (from 802.3at_and_legacy to 802.3at-only) is not persistent after saving the configuration and rebooting **Workaround**: Re-apply the PD detection type configuration after each reboot. A fix for this issue is available starting with VOSS 9.4.1.0 release.
CFD-16869	5420 IPv4 Multicast (VRRP) inVSN ACL filter doesn't work in L3VSN. A fix for this issue is targeted for 9.5.0.0 release.
CFD-16890	NEAP-LLDP authenticated sessions are not cleared when the connected IP phone is physically disconnected from the port. The stale session persists until LLDP timeout, preventing new devices from authenticating with a "Maximum allowed MAC reached" error. **Workaround**: Set eapol status to authorized and then back to auto on that port. A fix for this issue is targeted for 9.4.2.0 release.
CFD-17074	Fabric Extend tunnels flap multiple times per day, correlating with ARP TTL expiration for the tunnel peer IP address. When the ARP entry for the remote tunnel endpoint expires, the tunnel temporarily goes down. **Workaround**: configure a static ARP
CFD-17120	When a port enters auto-sense LOOP state due to detecting both a phone LLDP and the switch's own LLDP, MAC learning and packet bridging still occur on the voice VLAN for that port, allowing a Layer 2 loop to form. A fix for this issue is targeted for 9.5.0.0 release.
CFD-17130	ECMP routing fails when the ECMP group includes both an extra VLAN on NNI path and an L2VSN path, resulting in packet loss for flows hashed onto one of the two paths.
CFD-17189	Command execution fails for existing CLI sessions when the SSH session-limit is configured for 7 or 8 and exceeded, with TACACS authorization enabled. **Workaround**: Configure the maximum number of SSH session to 6 or lower (default is 4). A fix for this issue is available starting with VOSS 9.4.1.0 release.
CFD-17219	When NEAP authentication is rejected by RADIUS and the NEAP quiet timer is running, a subsequent successful EAP authentication on the same port is terminated when the quiet timer expires, causing an unexpected session teardown. A fix for this issue is available starting with VOSS 9.4.1.0 release.
CFD-17294	When BGP is configured with 4-byte AS numbers, the MED attribute is not applied correctly during route selection, resulting in different route preference behavior compared to 2-byte AS configuration. A fix for this issue is available starting with VOSS 9.4.1.0 release.
CFD-17302	When a BGP route with the shortest AS path is withdrawn by the originating router, iBGP peers do not properly propagate the update, leaving a stale route instead of switching to the available longer AS-path route received via eBGP. A fix for this issue is available starting with VOSS 9.4.1.0 release.
CFD-17893	Port blocks single connected device with “Maximum allowed MAC reached” message when the device goes to EAP Held state but does non-EAP authentication. **Workaround**: disable EAP authentication on the device or fix Radius to not reject it as EAP user. A fix for this issue is targeted for 9.4.2.0 release.
CFD-17927	7830: ICMP packets are not leaving the box when ECMP is enabled on the Fabric Engine cluster for some destinations. A fix for this issue is targeted for 9.4.2.0 release.
CFD-17962	In a transient window during IPv6 route build-up, due to an incorrect processing of the TLV:184 info, the default IPv6 route gets deleted. A fix for this issue is targeted for 9.4.2.0 release.
CFD-17983	An unexpected reboot of the switch may be encountered when a port data structure is improperly accessed, resulting in an FSM task related core file. A fix for this issue is targeted for 9.4.2.0 release.

KNOWN LIMITATIONS:

Please see “Fabric Engine Release Notes for version 9.3.0.0” 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/

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For information regarding the latest software available, recent release note revisions, or if you require additional assistance, please visit the Extreme Networks Support website.