Extreme networks

ADVANCE WITH US

Customer Release Notes

Fabric Engine

Software Release 8.6.1.0

April, 2022

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:

Please see "New Features in this release" section below for more information.

IMPORTANT NOTES BEFORE UPGRADING TO THIS RELEASE:

Please see "Fabric Engine Release Notes for version 8.6" available at
https://www.extremenetworks.com/support/release-notes for details about upgrading.

UPGRADE CONSIDERATIONS WHEN UPGRADING TO 8.6.1.0 FROM PREVIOUS RELEASES:

Please see "Fabric Engine Release Notes for version 8.6" available at
https://www.extremenetworks.com/support/release-notes for details about upgrading.

PLATFORMS SUPPORTED:

Please see "Fabric Engine Release Notes for version 8.6" 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)
5320.8.6.1.0_edoc.tar	Logs Reference	64061440
5320.8.6.1.0.md5	MD5 Checksums	461
5320.8.6.1.0_mib_sup.txt	MIB - supported object names	1525848
5320.8.6.1.0_mib.txt	MIB - objects in the OID compile order	8159168
5320.8.6.1.0_mib.zip	Archive of all MIB files	1219154
5320.8.6.1.0_oss-notice.html	Open source software - Master copyright file	2785868
5320.8.6.1.0.sha512	SHA512 Checksums	1376
5320.8.6.1.0.voss	Software image	102450633
FabricEnginev860_HELP_EDM_gzip.zip	EDM Help file	4613738
restconf_yang.tgz	YANG model	506020

Extreme Switching 5420 Series

File Name	Module or File Type	File Size (bytes)
5420.8.6.1.0_edoc.tar	Logs Reference	64061440
5420.8.6.1.0.md5	MD5 Checksums	461
5420.8.6.1.0_mib_sup.txt	MIB - supported object names	1524924
5420.8.6.1.0_mib.txt	MIB - objects in the OID compile order	8159168
5420.8.6.1.0_mib.zip	Archive of all MIB files	1219154
5420.8.6.1.0_oss-notice.html	Open source software - Master copyright file	2785868
5420.8.6.1.0.sha512	SHA512 Checksums	1376
5420.8.6.1.0.voss	Software image	102083073
FabricEnginev860_HELP_EDM_gzip.zip	EDM Help file	4613738
restconf_yang.tgz	YANG model	506020

Extreme Switching 5520 Series

File Name	Module or File Type	File Size (bytes)
5520.8.6.1.0_edoc.tar	Logs Reference	64061440
5520.8.6.1.0.md5	MD5 Checksums	461
5520.8.6.1.0_mib_sup.txt	MIB - supported object names	1525481
5520.8.6.1.0_mib.txt	MIB - objects in the OID compile order	8159168
5520.8.6.1.0_mib.zip	Archive of all MIB files	1219154
5520.8.6.1.0_oss-notice.html	Open source software - Master copyright file	2785868
5520.8.6.1.0.sha512	SHA512 Checksums	1376
5520.8.6.1.0.voss	Software image	106088060

File Name	Module or File Type	File Size (bytes)
FabricEnginev860_HELP_EDM_gzip.zip	EDM Help file	4613738
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 5520.8.6.1.0.voss
software activate 8.6.1.0.GA
```

or

```
software add 5420.8.6.1.0.voss
software activate 8.6.1.0.GA
```

or

```
software add 5320.8.6.1.0.voss
software activate 8.6.1.0.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
Ability to enable re-authentication on ports via RADIUS VSA
Concurrent support for 4 port and 8 port 10G licenses for migration on 5320
EDM & SNMP support for SPB Node scaling bootflag for 5420/5320
Introduction of 5320 Universal Hardware: 5320-16P-AC and 5320-16P-DC
MIB that shows fan speed in rpm

Old Features Removed From This Release
None.

Problems Resolved in This Release	
VOSS-22223	Initial Radius Request for AP authentication does not include WAP-type 1 attribute needed for NAC interoperability
VOSS-22727	5520 + VIM-4YE incompatibility with 10504 25G SFP28
VOSS-24967	Unable to login to 5520 after power outage
VOSS-25033	"show fulltech" does not complete due to "show debug-files" error
VOSS-25035	TACACS authentication using Single connection mode option fails. Authentication is successful when using TACACS Multiple connection mode
VOSS-25040	An OSPF spf-run in a VRF requires OSPF enable in GRT
VOSS-25045	vIST goes down and the redundancy is lost due to a BCM memory corruption
VOSS-25250	Crash seen after fbuf error logs
VOSS-25302	"show khi mgmt statistics" no longer displays Telnet/FTP/DNS packets
VOSS-25519	NNI flap on 5520/5420 on the Auto-Sense ports connected to the Network and Data ports of Polycom

Fixes from Previous Releases
Fabric Engine 8.6.1.0 incorporates all fixes from prior releases, up to and including 8.4.3.0, 8.5.1.0 and 8.6.0.1.

OUTSTANDING ISSUES:

Please see "Fabric Engine Release Notes for version 8.6" available at https://www.extremenetworks.com/support/release-notes for details regarding Known Issues.

Known Issues in This Release	
VOSS-25738	Enforce config from XIQ-SE fails for DVR topology. If DVR Leaf mode operation mode set in advance need to ask twice for the new topology to be applied.
VOSS-25774	ZTP+ / Auto-provision does not go inactive / cease immediately once a config is saved on device. Attempts to connect to XIQ-SE will stop after 24 hours. Can also ask for a reboot once config is manually provisioned.

KNOWN LIMITATIONS:

Please see "Fabric Engine Release Notes for version 8.6" 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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