

Customer Release Notes

VSP Operating System Software

Software Release 8.8.2.0

April 2023

INTRODUCTION:

This document provides specific information for version 8.8.2.0 of agent software for the VSP Operating System Software.

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 VOSS 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 “VOSS Release Notes for version 8.8.0” available at
<https://www.extremenetworks.com/support/release-notes>

UPGRADE CONSIDERATIONS WHEN UPGRADING TO 8.8.2.0 FROM PREVIOUS RELEASES:

Please see “VOSS Release Notes for version 8.8.0” available at
<https://www.extremenetworks.com/support/release-notes>

PLATFORMS SUPPORTED:

Please see “VOSS Release Notes for version 8.8.0” available at
<https://www.extremenetworks.com/support/release-notes> for details regarding supported platforms.

FILE NAMES FOR THIS RELEASE:

Extreme Access 1400 Series

File Name	Module or File Type	File Size (bytes)
VOSS1400.8.8.2.0_edoc.tar	Logs Reference	64143360
VOSS1400.8.8.2.0.md5	MD5 Checksums	424
VOSS1400.8.8.2.0_mib_sup.txt	MIB - supported object names	1175949
VOSS1400.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
VOSS1400.8.8.2.0_mib.zip	Archive of all MIB files	1224734
VOSS1400.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
VOSS1400.8.8.2.0.sha512	SHA512 Checksums	1247
VOSS1400.8.8.2.0.tgz	Release 8.8.2.0 archived software distribution	305448376
VOSSv880_HELP_EDM_gzip.zip	EDM Help file	5340433

Virtual Services Platform 4400 Series

File Name	Module or File Type	File Size (bytes)
restconf_yang.tgz	YANG model	506020
VOSS4400.8.8.2.0_edoc.tar	Logs Reference	64143360
VOSS4400.8.8.2.0.md5	MD5 Checksums	476
VOSS4400.8.8.2.0_mib_sup.txt	MIB - supported object names	1514505
VOSS4400.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
VOSS4400.8.8.2.0_mib.zip	Archive of all MIB files	1224734
VOSS4400.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
VOSS4400.8.8.2.0.sha512	SHA512 Checksums	1395
VOSS4400.8.8.2.0.tgz	Release 8.8.2.0 archived software distribution	123837930
VOSSv880_HELP_EDM_gzip.zip	EDM Help file	5340433

Virtual Services Platform 4900 Series

File Name	Module or File Type	File Size (bytes)
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	4641982464
VOSS4900.8.8.2.0_edoc.tar	Logs Reference	64143360
VOSS4900.8.8.2.0.md5	MD5 Checksums	609
VOSS4900.8.8.2.0_mib_sup.txt	MIB - supported object names	1538400
VOSS4900.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
VOSS4900.8.8.2.0_mib.zip	Archive of all MIB files	1224734

File Name	Module or File Type	File Size (bytes)
VOSS4900.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
VOSS4900.8.8.2.0.sha512	SHA512 Checksums	1720
VOSS4900.8.8.2.0.tgz	Release 8.8.2.0 archived software distribution	306358423
VOSSv880_HELP_EDM_gzip.zip	EDM Help file	5340433

Virtual Services Platform 7200 Series

File Name	Module or File Type	File Size (bytes)
restconf_yang.tgz	YANG model	506020
VOSS7200.8.8.2.0_edoc.tar	Logs Reference	64143360
VOSS7200.8.8.2.0.md5	MD5 Checksums	476
VOSS7200.8.8.2.0_mib_sup.txt	MIB - supported object names	1479967
VOSS7200.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
VOSS7200.8.8.2.0_mib.zip	Archive of all MIB files	1224734
VOSS7200.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
VOSS7200.8.8.2.0.sha512	SHA512 Checksums	1395
VOSS7200.8.8.2.0.tgz	Release 8.8.2.0 archived software distribution	151377915
VOSSv880_HELP_EDM_gzip.zip	EDM Help file	5340433

Virtual Services Platform 7400 Series

File Name	Module or File Type	File Size (bytes)
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
VOSS7400.8.8.2.0_edoc.tar	Logs Reference	64143360
VOSS7400.8.8.2.0.md5	MD5 Checksums	609
VOSS7400.8.8.2.0_mib_sup.txt	MIB - supported object names	1535390
VOSS7400.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
VOSS7400.8.8.2.0_mib.zip	Archive of all MIB files	1224734
VOSS7400.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
VOSS7400.8.8.2.0.sha512	SHA512 Checksums	1720
VOSS7400.8.8.2.0.tgz	Release 8.8.2.0 archived software distribution	306086529
VOSSv880_HELP_EDM_gzip.zip	EDM Help file	5340433

Virtual Services Platform 8200 Series

File Name	Module or File Type	File Size (bytes)
restconf_yang.tgz	YANG model	506020
VOSS8200.8.8.2.0_edoc.tar	Logs Reference	64143360

File Name	Module or File Type	File Size (bytes)
VOSS8200.8.8.2.0.md5	MD5 Checksums	476
VOSS8200.8.8.2.0_mib_sup.txt	MIB - supported object names	1479967
VOSS8200.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
VOSS8200.8.8.2.0_mib.zip	Archive of all MIB files	1224734
VOSS8200.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
VOSS8200.8.8.2.0.sha512	SHA512 Checksums	1395
VOSS8200.8.8.2.0.tgz	Release 8.8.2.0 archived software distribution	151376045
VOSSv880_HELP_EDM_gzip.zip	EDM Help file	5340433

Virtual Services Platform 8400 Series

File Name	Module or File Type	File Size (bytes)
restconf_yang.tgz	YANG model	506020
VOSS8400.8.8.2.0_edoc.tar	Logs Reference	64143360
VOSS8400.8.8.2.0.md5	MD5 Checksums	476
VOSS8400.8.8.2.0_mib_sup.txt	MIB - supported object names	1479967
VOSS8400.8.8.2.0_mib.txt	MIB - objects in the OID compile order	8195883
VOSS8400.8.8.2.0_mib.zip	Archive of all MIB files	1224734
VOSS8400.8.8.2.0_oss-notice.html	Open-source software - Master copyright file	2785868
VOSS8400.8.8.2.0.sha512	SHA512 Checksums	1395
VOSS8400.8.8.2.0.tgz	Release 8.8.2.0 archived software distribution	223885501
VOSSv880_HELP_EDM_gzip.zip	EDM Help file	5340433

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 VOSS4400.8.8.2.0.tgz
software activate 8.8.2.0.GA
```

or

```
software add VOSS4900.8.8.2.0.tgz
software activate 8.8.2.0.GA
```

or

```
software add VOSS7200.8.8.2.0.tgz
software activate 8.8.2.0.GA
```

or

```
software add VOSS7400.8.8.2.0.tgz
software activate 8.8.2.0.GA
```

or

```
software add VOSS8200.8.8.2.0.tgz
software activate 8.8.2.0.GA
```

or

```
software add VOSS8400.8.8.2.0.tgz
software activate 8.8.2.0.GA
```

or

```
software add VOSS1400.8.8.2.0.tgz
software activate 8.8.2.0.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**

None

Old Features Removed From This Release

None

Problems Resolved in This Release

VOSS-26832	iBGP is skipping the lowest IGP cost for best path selection when ISIS SPBM is used
VOSS-27125	EDM – Multiple VLANs missing from MLT-2 config after adding a VLAN to MLT-2 in EDM
VOSS-27206	XA1400: BFDofE is down when XA has another NNI UP with lower ISIS metric
VOSS-27622	A switch might randomly lose traffic on reboot when a dynamically learned nickname is used
VOSS-27647	A switch might unexpectedly reboot when multiple tasks incorrectly access SNMP/traps data structures
VOSS-27664	" <i>show interface gigabit statistics rate-limiting</i> " command does not display any output – this command is not supported and it was removed
VOSS-27666	An unexpected reboot occurred after an attempt to run debug command " <i>sh-exec cppp</i> "
VOSS-27681	An unexpected reboot of the switch was caused by the shutdown operation for all ports incorrectly called twice in case of an exception
VOSS-27683	In highly scaled networks where the PSNP might be processed with delay, because the PSNPs were not processed yet for the LSPs sent on the already up adjacencies when an additional adjacency comes up, the LSPs, local or forwarded from other nodes, will be resent on all the NNIs, which creates an overhead
VOSS-27704	CLI command " <i>show ip bgp neighbors <peer_ip> advertised-routes vrf <vrf_name></i> " displays routes that should not be advertised because of route-map
VOSS-27707	FEC Auto doesn't work as expected
VOSS-27713	Switch reboots with core dump in a case of an overflowing array
VOSS-27737	Traffic in a pure L2VSN VLAN is dropped if IP overlap with IST subnet
VOSS-27739	advanced-feature-bandwidth-reservation mode cannot be disabled even if SPBM mode is disabled
VOSS-27760	BGP routes are not updated between VRFs until the 'apply' command is given
VOSS-27769	The IP tab from EDM - VLAN - VLAN - IP button doesn't open in a VRF context
VOSS-27778	A withdrawn BGP route continues looping in the network with cluster IDs being repeated via route reflectors leading to VSP crash
VOSS-27779	BGP Router with a default route learned through BGP and default-info originate enabled, erroneously sends the default route further to its iBGP peers
VOSS-27789	When saving io tables to a file, it displays the command execution date/time on the screen instead of saving it into the file
VOSS-27795	An unexpected reboot occurred right after the customer established a new SSH connection after the "ssh reset", due to stalled SSH sessions from the XIQ-SE.
VOSS-27828	While RADIUS NEAP/EAP client is authenticated through MAC Based S-UNI configuration, the LLDP untagged packets are no longer reaching to CPU leading to LLDP neighbor removal
VOSS-27862	SSH connection doesn't work with x509 enabled
VOSS-27874	XA 1400: Remote destination reachability issue after upgrade to VOSS 8.6

Problems Resolved in This Release	
VOSS-27926	If the number of SSH sessions is exceeded and SNMPv1 traps are sent due to this last event a switch may hang and reset with a core file
VOSS-28008	“ipv6 route preference protocol” config statement for VRF is saved in config file incorrectly
VOSS-28018	QSFP+ to 4SFP+ stopped working after a SW upgrade to 8.6
VOSS-28021	Some of the devices are unable to get IP via DHCP on a DVR routed VLAN
VOSS-28028	BFD routes have remained active even when the BFD session is down
VOSS-28098	When a DHCP relay is configured, based on the order of the commands, requests can be forwarded with src-port 0 instead of 68
VOSS-28100	A partial configuration loss occurred when a switch is upgraded from 8.4.3 to 8.8.0
VOSS-28121	Retry for RADIUS Reachability Status-Server has wrong MD5 hash
VOSS-28122	Port 13 egress table full when using redirectNH ACL caused failure to add new ARP records
VOSS-28167	BGP: Withdraw update for redistributed route is not sent when underlying route is removed but less preferred BGP route was present
VOSS-28170	Removing community-list from route map in VRF also removes metric associated to route maps in same VRF
VOSS-28189	Multi Area: OSPF packets are reflected back into remote area by the virtual node
VOSS-28195	Implicit withdraw not always processed in RR environment causing stale BGP routes to remain in network
VOSS-28277	5520/5420 FE - VOSS 8.8.1.0 - Route map unable to match on community string
VOSS-28378	7400-32C to 5420M-48W-4YE via 100GbE PSM4 (4x25GbE): Tx Issue
VOSS-28419	Protocol PDUs for EAP, LLDP, LACP & VLACP were being both processed by the CPU and also bridged on untagged I-SIDs on VSP7200, VSP8200, VSP8400 and VSP4900 platforms

Fixes from Previous Releases
VOSS 8.8.2.0 incorporates all fixes from prior releases, up to and including VOSS 7.1.11.0, VOSS 8.0.9.0, VOSS 8.1.10.0, VOSS 8.2.8.0, VOSS 8.3.1.0, VOSS 8.4.3.0, VOSS 8.5.4.0, VOSS 8.6.1.2, VOSS 8.7.0.1 and VOSS 8.8.1.

OUTSTANDING ISSUES:

Please see “VOSS Release Notes for version 8.8.0” available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Issues.

KNOWN LIMITATIONS:

Please see “VOSS Release Notes for version 8.8.0” 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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