

# Customer Release Notes

## VSP Operating System Software

Software Release 8.2.100.0

March 2021

### INTRODUCTION:

This document provides specific information for version 8.2.100.0 of agent software for the VSP Operating System Software.

The purpose of this version is to introduce a FIPS140-2 certified cryptographic module as well as to address customer and internally found software issues.

**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:

Added FIPS 140-2 certified cryptographic module.

### IMPORTANT NOTES BEFORE UPGRADING TO THIS RELEASE:

1. If upgrading systems running 8.1.x releases or older, since there is a change in the way switches running VOSS 8.2.0.0 are managed, please read Chapter 3: Upgrade and Downgrade Considerations in the Release Notes for VOSS 8.2 with a focus Segmented Management Instance Migration. The release notes can be found at: <https://www.extremenetworks.com/support/release-notes/product/vsp-operating-system-software-voss-software/>
2. Switches running this release are not supported with XIQ

### UPGRADE CONSIDERATIONS WHEN UPGRADING TO 8.2.100.0 FROM PREVIOUS RELEASES:

1. If you have a vlan X with vrrp instance of 37 provisioned and functional on a node running with several other vlans with dvr enabled, upon upgrade to 8.2.100.0 VRRP configuration for instance 37 is removed from that vlan X. This would cause traffic loss for those devices of that vlan X. Recommend renumbering the vrrp instance ids to other than 37 and 38 on that Vlan before upgrading. DVR uses the same multicast addresses as vrrp id 37 and 38 for its DVR controller and leaf implementation.
2. When upgrading with a configuration that uses an IKE Pre-Shared Key that is less than 14 characters, the configuration will be kept after upgrade, but the keys will not be activated. The user will need to reconfigure the IKE Pre-shared keys with a minimum length of 14 characters.

**PLATFORMS SUPPORTED:**

## Virtual Services Platform 4400 Series

Virtual Services Platform VSP 4450GSX-PWR+  
 Virtual Services Platform VSP 4450GSX-DC  
 Virtual Services Platform VSP 4450GTS-DC  
 Virtual Services Platform VSP 4450GTX-HT-PWR+

## Virtual Services Platform 4900 Series

Virtual Services Platform VSP 4900-48P  
 Virtual Services Platform VSP 4900-12MXU-12XE  
 Virtual Services Platform VSP 4900-24S  
 Virtual Services Platform VSP 4900-24XE

## Virtual Services Platform 7200 Series

Virtual Services Platform VSP 7254XSQ  
 Virtual Services Platform VSP 7254XTQ

## Virtual Services Platform 7400 Series

Virtual Services Platform VSP 7432CQ  
 Virtual Services Platform VSP 7400-48Y-8C

## Virtual Services Platform 8200 Series

Virtual Services Platform 8284XSQ

## Virtual Services Platform 8400 Series

Virtual Services Platform 8404  
 Virtual Services Platform 8404C

## ExtremeAccess Platform XA1400 Series

ExtremeAccess Platform 1440  
 ExtremeAccess Platform 1480

**SPECIAL INSTRUCTIONS FOR UPGRADING FROM PREVIOUS RELEASES:****NOTES FOR UPGRADE:**

Please see "Release Notes for VSP Operating System Software (VOSS)" for software release 8.2.0 available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Limitations.

**FILE NAMES FOR THIS RELEASE:**

## Virtual Services Platform 4400 Series

File Name	Module or File Type	File Size (bytes)
VOSS4400.8.2.100.0.sha512	SHA512 Checksums	1565
VOSS4400.8.2.100.0.md5	MD5 Checksums	605
VOSS4400.8.2.100.0.tgz	Release 8.2.100.0 archived software distribution	110662644
VOSS4400.8.2.100.0_mib.zip	Archive of all MIB files	1169630
VOSS4400.8.2.100.0_mib.txt	MIB file	7771586

File Name	Module or File Type	File Size (bytes)
VOSS4400.8.2.100.0_mib_sup.txt	MIB file	1410757
VOSSv820_HELP_EDM_gzip.zip	EDM Help file	4414827
restconf_yang.tgz	YANG model	506020

## Virtual Services Platform 4900 Series

File Name	Module or File Type	File Size (bytes)
VOSS4900.8.2.100.0.sha512	SHA512 Checksums	1719
VOSS4900.8.2.100.0.md5	MD5 Checksums	663
VOSS4900.8.2.100.0.tgz	Release 8.2.100.0 archived software distribution	241028072
VOSS4900.8.2.100.0_mib.zip	Archive of all MIB files	1169630
VOSS4900.8.2.100.0_mib.txt	MIB file	7771586
VOSS4900.8.2.100.0_mib_sup.txt	MIB file	1433403
VOSSv820_HELP_EDM_gzip.zip	EDM Help file	4414827
restconf_yang.tgz	YANG model	506020

## Virtual Services Platform 7200 Series

File Name	Module or File Type	File Size (bytes)
VOSS7200.8.2.100.0.sha512	SHA512 Checksums	1565
VOSS7200.8.2.100.0.md5	MD5 Checksums	605
VOSS7200.8.2.100.0.tgz	Release 8.2.100.0 archived software distribution	125015829
VOSS7200.8.2.100.0_mib.zip	Archive of all MIB files	1169630
VOSS7200.8.2.100.0_mib.txt	MIB file	7771586
VOSS7200.8.2.100.0_mib_sup.txt	MIB file	1379945
VOSSv820_HELP_EDM_gzip.zip	EDM Help file	4414827
restconf_yang.tgz	YANG model	506020

## Virtual Services Platform 7400 Series

File Name	Module or File Type	File Size (bytes)
VOSS7400.8.2.100.0.sha512	SHA512 Checksums	1877
VOSS7400.8.2.100.0.md5	MD5 Checksums	725
VOSS7400.8.2.100.0.tgz	Release 8.2.100.0 archived software distribution	240672409
VOSS7400.8.2.100.0_mib.zip	Archive of all MIB files	1169630
VOSS7400.8.2.100.0_mib.txt	MIB file	7771586
VOSS7400.8.2.100.0_mib_sup.txt	MIB file	1427600
VOSSv820_HELP_EDM_gzip.zip	EDM Help file	4414827
restconf_yang.tgz	YANG model	506020
TPVM_7400_8.2.0.0.img	Third Party Virtual Machine (TPVM)	1677066240
FIGWVM_7400_8.2.100.0.qcow2	Fabric IPsec Gateway Virtual Machine (FIGWVM)	1970339840

## Virtual Services Platform 8200 Series

File Name	Module or File Type	File Size (bytes)
VOSS8200.8.2.100.0.sha512	SHA512 Checksums	1565
VOSS8200.8.2.100.0.md5	MD5 Checksums	605
VOSS8200.8.2.100.0.tgz	Release 8.2.100.0 archived software distribution	125015621
VOSS8200.8.2.100.0_mib.zip	Archive of all MIB files	1169630
VOSS8200.8.2.100.0_mib.txt	MIB file	7771586
VOSS8200.8.2.100.0_mib_sup.txt	MIB file	1379945
VOSSv820_HELP_EDM_gzip.zip	EDM Help file	4414827
restconf_yang.tgz	YANG model	506020

## Virtual Services Platform 8400 Series

File Name	Module or File Type	File Size (bytes)
VOSS8400.8.2.100.0.sha512	SHA512 Checksums	1565
VOSS8400.8.2.100.0.md5	MD5 Checksums	605
VOSS8400.8.2.100.0.tgz	Release 8.2.100.0 archived software distribution	186387380
VOSS8400.8.2.100.0_mib.zip	Archive of all MIB files	1169630
VOSS8400.8.2.100.0_mib.txt	MIB file	7771586
VOSS8400.8.2.100.0_mib_sup.txt	MIB file	1379945
VOSSv820_HELP_EDM_gzip.zip	EDM Help file	4414827
restconf_yang.tgz	YANG model	506020

## ExtremeAccess 1400 Series

File Name	Module or File Type	File Size (bytes)
VOSS1400.8.2.100.0.sha512	SHA512 Checksums	1565
VOSS1400.8.2.100.0.md5	MD5 Checksums	605
VOSS1400.8.2.100.0.tgz	Release 8.2.100.0 archived software distribution	322586480
VOSS1400.8.2.100.0_mib.zip	Archive of all MIB files	1169630
VOSS1400.8.2.100.0_mib.txt	MIB file	7771586
VOSS1400.8.2.100.0_mib_sup.txt	MIB file	1084133
VOSSv820_HELP_EDM_gzip.zip	EDM Help file	4414827

**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 VOSS4400.8.2.100.0.tgz
software activate 8.2.100.0.GA
```

**or**

```
software add VOSS4900.8.2.100.0.tgz
software activate 8.2.100.0.GA
```

**or**

```
software add VOSS7200.8.2.100.0.tgz
software activate 8.2.100.0.GA
```

**or**

```
software add VOSS7400.8.2.100.0.tgz
software activate 8.2.100.0.GA
```

**or**

```
software add VOSS8200.8.2.100.0.tgz
software activate 8.2.100.0.GA
```

**or**

```
software add VOSS8400.8.2.100.0.tgz
software activate 8.2.100.0.GA
```

**or**

```
software add VOSS1400.8.2.100.0.tgz
software activate 8.2.100.0.GA
```

**VERSION OF PREVIOUS RELEASE:****Virtual Services Platform 4400 Series**

Software version 4.0.0.0, 4.0.0.1, 4.0.0.2, 4.0.0.3, 4.1.0.0, 4.1.0.1, 4.2.0.0, 4.2.0.1, 4.2.1.0, 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0, 7.1.2.0, 8.0.0.0, 8.0.1.0, 8.0.5.0, 8.0.5.1, 8.0.6.0, 8.0.6.1, 8.0.7.0, 8.0.7.2, 8.1.0.0, 8.1.1.0, 8.0.8.0, 8.0.9.0, 8.1.2.0, 8.1.5.0, 8.1.6.0 and 8.2.0.0 for VSP 4450GSX platform

Software Version 4.0.50.0 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0, 7.1.2.0, 8.0.0.0, 8.0.1.0, 8.0.5.0, 8.0.5.1, 8.0.6.0, 8.0.6.1, 8.0.7.0, 8.0.7.2, 8.1.0.0, 8.1.1.0, 8.0.8.0, 8.0.9.0, 8.1.2.0, 8.1.5.0, 8.1.6.0 and 8.2.0.0 for VSP 4450GSX DC and VSP 4450GTS DC platforms

Software Version 4.0.40.0, 4.1.0.0, 4.1.0.1, 4.2.0.0, 4.2.0.1, 4.2.1.0 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0, 7.1.2.0, 8.0.0.0, 8.0.1.0, 8.0.5.0, 8.0.5.1, 8.0.6.0, 8.0.6.1, 8.0.7.0, 8.0.7.2, 8.1.0.0, 8.1.1.0, 8.0.8.0, 8.0.9.0, 8.1.2.0, 8.1.5.0, 8.1.6.0 and 8.2.0.0 for VSP 4450GTX-HT-PWR+ platform

**Virtual Services Platform 4900 Series**

Software version 8.1.0.0, 8.1.1.0, 8.1.2.0, 8.1.5.0, 8.1.6.0 and 8.2.0.0 for VSP 4900-48P platform

**Virtual Services Platform 7200 Series**

Software Version 4.2.1.0, 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0, 7.1.2.0, 8.0.0.0, 8.0.1.0, 8.0.5.0, 8.0.5.1, 8.0.6.0, 8.0.6.1, 8.0.7.0, 8.0.7.2, 8.1.0.0, 8.1.1.0, 8.0.8.0, 8.0.9.0, 8.1.2.0, 8.1.5.0, 8.1.6.0 and 8.2.0.0 for VSP 7254XSQ and VSP 7254XTQ platforms

**Virtual Services Platform 7400 Series**

Software Version 8.0.1.0, 8.0.5.0, 8.0.5.1, 8.0.6.0, 8.0.6.1, 8.0.7.0, 8.0.7.2, 8.1.0.0, 8.1.1.0, 8.0.8.0, 8.0.9.0, 8.1.2.0, 8.1.5.0, 8.1.6.0 and 8.2.0.0 for VSP7432CQ platform

Software Version 8.0.5.0, 8.0.5.1, 8.0.6.0, 8.0.6.1, 8.0.7.0, 8.0.7.2, 8.1.0.0, 8.1.1.0, 8.0.8.0, 8.0.9.0, 8.1.2.0, 8.1.5.0, 8.1.6.0 and 8.2.0.0 for VSP-7400-48Y-8C platform

**Virtual Services Platform 8200 Series**

Software Version 4.0.0.0, 4.0.1.0, 4.0.1.1, 4.0.1.2, 4.0.1.3, 4.0.1.4, 4.1.0.0, 4.1.0.1, 4.2.0.0, 4.2.0.1, 4.2.1.0, 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0, 7.1.2.0, 8.0.0.0, 8.0.1.0, 8.0.5.0, 8.0.5.1, 8.0.6.0, 8.0.6.1, 8.0.7.0, 8.0.7.2, 8.1.0.0, 8.1.1.0, 8.0.8.0, 8.0.9.0, 8.1.2.0, 8.1.5.0, 8.1.6.0 and 8.2.0.0 for VSP8200 platform

## Virtual Services Platform 8400 Series

Software Version, 4.2.0.0, 4.2.0.1, 4.2.1.0, 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0, 7.1.2.0 , 8.0.0.0, 8.0.1.0, 8.0.5.0, 8.0.5.1, 8.0.6.0, 8.0.6.1, 8.0.7.0, 8.0.7.2, 8.1.0.0, 8.1.1.0, 8.0.8.0, 8.0.9.0, 8.1.2.0 , 8.1.5.0, 8.1.6.0 and 8.2.0.0 for VSP8404 platform

Software Version, 5.3.0.0, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0, 7.1.2.0 , 8.0.0.0, 8.0.1.0, 8.0.5.0, 8.0.5.1, 8.0.6.0, 8.0.6.1, 8.0.7.0, 8.0.7.2, 8.1.0.0, 8.1.1.0, 8.0.8.0, 8.0.9.0, 8.1.2.0 , 8.1.5.0, 8.1.6.0 and 8.2.0.0 for VSP8404c platform

## ExtremeAccess 1400 Series

Software Version 8.1.0.0, 8.1.1.0, 8.1.50.0 , 8.1.5.0, 8.1.6.0 and 8.2.0.0 for XA 1440 and XA 1480 platforms

### 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-19223	EDM edit ports : not showing any ports on 8418XSQ from slot 3 and 4 when slots 1 and 2 are empty
VOSS-19059	Local created user accounts could get corrupted when using specific passwords

#### Fixes from Previous Releases

VOSS 8.2.100.0 incorporates all fixes from prior releases, up to and including VOSS 8.0.9.0, 8.1.6.0 and 8.2.0.0.

### OUTSTANDING ISSUES:



Known Issues	
VOSS-18774	<p>SSL negotiation fails when using OpenSSL client version 1.1.1</p> <p>With OpenSSL 1.1.1 the server-name extension is used. This extension needs to equal the domain name in the server certificate, otherwise will fail the certificate lookup on the server since the new FIPS 140-2 certified cryptographic module will process the server-name extension.</p> <p>Can connect using: <code>bash# openssl s_client -connect &lt;domain-name&gt;:443</code></p>

Please see “Release Notes for VSP Operating System Software (VOSS)” for software release 8.2.0 available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Issues.

### KNOWN LIMITATIONS:

Please see “Release Notes for VSP Operating System Software (VOSS)” for software release 8.2.0 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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