

# VSP Operating System Software Release 6.1.5.0

## **1. Release Summary**

Release Date: September 2018

Purpose: Software release to address customer found software issues.

## **2. Important Notes before Upgrading to This Release**

If upgrading systems from either release 4.2.1.0 or release 4.2.1.1 that have ISIS enabled link(s) configured with HMAC-MD5 authentication, then you need to perform the procedure described in section (4) below in order to avoid potential network connectivity loss.

If upgrading systems running 4.1.X releases which also have TACACS+ enabled, refer to section 4 for upgrade instructions.

## **3. Platforms Supported**

Virtual Services Platform 4000 Series

- Virtual Services Platform VSP 4850GTS
- Virtual Services Platform VSP 4850GTS-PWR+
- 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 7200 Series

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

Virtual Services Platform 8000 Series

- Virtual Services Platform 8200
- Virtual Services Platform 8400

#### **4. Special Instructions for Upgrade from previous releases**

1. The following procedure should be followed when upgrading systems running one of the following two releases, 4.2.1.0 or 4.2.1.1 which also have ISIS enabled links with HMAC-MD5 authentication on:

Disable ISIS authentication throughout the network a system at a time, a link at a time by disabling it on either side of each link, ensuring the link is stable before moving to the next. When a system has been reconfigured free of ISIS HMAC-MD5 authentication in all of its links, save the configuration file and perform the upgrade to release 4.2.3.0 or greater. After all these systems have been upgraded to release 4.2.3.0 or greater, you may re-enable authentication a system at a time, a link at a time and save the configuration file in each of the involved systems.

Example:

```
VSP:1(config)#interface gigabitethernet x/y
VSP:1(config-if)#no isis hello-auth
VSP:1(config-if)#save config
VSP:1(config-if)# PERFORM THE UPGRADE
VSP:1(config)#interface gigabitethernet x/y
VSP:1(config-if)# isis hello-auth type hmac-md5 key <keyname> [key-id <keyed>]
VSP:1(config-if)#save config
```

2. The following procedure should be followed when upgrading systems running 4.1.X releases which also have TACACS+ enabled on:

When you upgrade from VOSS 4.1.X to VOSS 4.2 or a higher release, the TACACS+ host configurations will be lost. After the upgrade, the TACACS+ host configurations will not take effect so you must reconfigure them. After you make the configurations, you must save the changes on the device. You should also save the configuration to a file to retain the configuration settings.

3. Upgrading DVR configurations from releases 6.0.1.1 and earlier to 6.0.1.2 and beyond.
  - a. All DVR nodes must be upgraded to the same release.
  - b. All DVR leaves should be upgraded first.

#### **5. Notes for Upgrade**

Please see “Release Notes for VSP Operating System” for software release 6.1.0 available at <https://www.extremenetworks.com/support/release-notes> for details on how to upgrade your Switch.

## File Names For This Release

### Virtual Services Platform 4000 Series

File Name	Module or File Type	File Size (bytes)
VOSS4K.6.1.5.0.tgz	Release 6.1.5.0 archived software distribution	104451533
VOSS4K.6.1.5.0_mib.zip	Archive of all MIB files	1083039
VOSS4K.6.1.5.0_mib.txt	MIB file	7180177
VOSS4K.6.1.5.0_mib_sup.txt	MIB file	1182904
VSP4000v615_HELP_EDM_gzip.zip	EDM Help file	3282973
VSP4000v6.1.5.0.zip	EDM plug-in for COM	4881040
VOSS4K.6.1.5.0.md5	MD5 Checksums	533
VOSS4K.6.1.5.0.sha512	SHA512 Checksums	1397

### Virtual Services Platform 7200 Series

File Name	Module or File Type	File Size (bytes)
VOSS7K.6.1.5.0.tgz	Release 6.1.5.0 archived software distribution	66467138
VOSS7K.6.1.5.0_mib.zip	Archive of all MIB files	1083039
VOSS7K.6.1.5.0_mib.txt	MIB file	7180177
VOSS7K.6.1.5.0_mib_sup.txt	MIB file	1186371
VOSSv615_HELP_EDM_gzip.zip	EDM Help file	3288186
VOSSv6.1.5.0.zip	EDM plug-in for COM	5210781
VSP7K.6.1.5.0.md5	MD5 Checksums	527
VOSS7K.6.1.5.0.sha512	SHA512 Checksums	1391

## Virtual Services Platform 8000 Series

File Name	Module or File Type	File Size (bytes)
VOSS8K.6.1.5.0.tgz	Release 6.1.5.0 archived software distribution	120540615
VOSS8K.6.1.5.0_mib.zip	Archive of all MIB files	1083039
VOSS8K_6.1.5.0_mib.txt	MIB file	7180177
VOSS8K.6.1.5.0_mib_sup.txt	MIB file	1186371
VOSSv615_HELP_EDM_gzip.zip	EDM Help file	3288186
VOSSv6.1.5.0.zip	EDM plug-in for COM	5210781
VSP8K.6.1.5.0.md5	MD5 Checksums	527
VOSS8K.6.1.5.0.sha512	SHA512 Checksums	1391

### 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 VOSS4K.6.1.5.0.tgz
software activate VOSS4K.6.1.5.0.GA
```

or

```
software add VOSS7K.6.1.5.0.tgz
software activate VOSS7K.6.1.5.0.GA
```

or

```
software add VOSS8K.6.1.5.0.tgz
software activate VOSS8K.6.1.5.0.GA
```

## **6. Version of Previous Release**

### **Virtual Services Platform 4000 Series**

Software Version 3.0.0.0, 3.0.1.0, 3.1.0.0, 3.1.0.2, 3.1.0.3, 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 and 6.1.4.0 for VSP 4850GTS platforms

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 and 6.1.4.0 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 and 6.1.4.0 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 and 6.1.4.0 for VSP 4450GTX-HT-PWR+ 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 and 6.1.4.0 .

### **Virtual Services Platform 8000 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 and 6.1.4.0 for VSP8200 platform

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 and 6.1.4.0 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 and 6.1.4.0 for VSP8404c platform

## **7. Compatibility**

## **8. Changes in 6.1.5.0**

### **New Features in This Release**

### **Old Features Removed From This Release**

### **Problems Resolved in This Release**

<b>ID</b>	<b>Description</b>
VSP4000-236	Memory leak when SLAMON is configured
VSP7200-62 VOSS-10742	'show interfaces gigabitEthernet i-sid' command caused an out-of-bounds access issue
VSP7200-68	EDM not showing optic module info TX Power (Actual Value) and duplicates Fields in Graph - > Ethernet Errors Tab
VSP8000-268	Connection via EDM failed for http and https
VSP8000-310	System reset triggered by VRRP thread pre-emption issue with fast advertisement interval configured
VSP8000-315	Some 8404 GS ESM ports are inaccessible after power glitch
VSP8000-329	All VLACP interfaces timed out on the box due to buffer exhaustion
VSP8000-330 VSP8000-336	EDM connectivity issues due to memory leak
VSP8000-338	System stability issues when accessing the device through SSH
VSP8000-340	Problem with hot plugging 40G modules into 8418XTQ card in VSP8404C
VOSS-10913	Missing interface gigabitEthernet from running config when only mac-security limit-learning is enabled on port
VOSS-11070	Removed unsupported fonts and replaced with supported ones to improve page response/load times
VOSS-11083	DHCP config fails to load on reboot when MSDP enabled in VRF

## **9. Outstanding Issues**

<b><u>Issue Number</u></b>	<b><u>Description</u></b>	<b><u>Workaround</u></b>
<u>VSP4000-231</u>	Incomplete clean-up of ACL structures after an administratively shutdown MLT port has been removed	Re-adding & removing said port from the ACL once more with ECLI command structure 'filter acl port 1 x/x/no filter acl port 1 x/x' will resolve this issue

Please see "Release Notes for VSP Operating System" for software release 6.1.0 available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Issues.

## **10. Known Limitations**

Please see “Release Notes for VSP Operating System” for software release 6.1.0 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, shutdown or power is lost.

## **11. Documentation Corrections**

For other known issues, please refer to the product release notes and technical documentation available at: <https://www.extremenetworks.com/support/documentation>.

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