

VSP Operating System Software Release 6.1.4.0

1. Release Summary

Release Date: May 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/documentation> 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.6.1.4.0.tgz	Release 6.1.4.0 archived software distribution	104453885
VOSS4K.6.1.4.0_mib.zip	Archive of all MIB files	1083039
VOSS4K.6.1.4.0_mib.txt	MIB file	7180177
VOSS4K.6.1.4.0_mib_sup.txt	MIB file	1182904
VSP4000v614_HELP_EDM_gzip.zip	EDM Help file	3282973
VSP4000v6.1.4.0.zip	EDM plug-in for COM	4880596
VOSS4K.6.1.4.0.md5	MD5 Checksums	578
VOSS4K.6.1.4.0.sha512	SHA512 Checksums	1538

Virtual Services Platform 7200 Series

File Name	Module or File Type	File Size (bytes)
VOSS7K.6.1.4.0.tgz	Release 6.1.4.0 archived software distribution	66452521
VOSS7K.6.1.4.0_mib.zip	Archive of all MIB files	1083039
VOSS7K.6.1.4.0_mib.txt	MIB file	7180177
VOSS7K.6.1.4.0_mib_sup.txt	MIB file	1186371
VOSSv614_HELP_EDM_gzip.zip	EDM Help file	3288186
VOSSv6.1.4.0.zip	EDM plug-in for COM	5209176
VSP7K.6.1.4.0.md5	MD5 Checksums	572
VOSS7K.6.1.4.0.sha512	SHA512 Checksums	1532

Virtual Services Platform 8000 Series

File Name	Module or File Type	File Size (bytes)
VOSS8K.6.1.4.0.tgz	Release 6.1.4.0 archived software distribution	120529817
VOSS8K.6.1.4.0_mib.zip	Archive of all MIB files	1083039
VOSS8K_6.1.4.0_mib.txt	MIB file	7180177
VOSS8K.6.1.4.0_mib_sup.txt	MIB file	1186371
VOSSv614_HELP_EDM_gzip.zip	EDM Help file	3288186
VOSSv6.1.4.0.zip	EDM plug-in for COM	5209176
VSP8K.6.1.4.0.md5	MD5 Checksums	764
VOSS8K.6.1.4.0.sha512	SHA512 Checksums	2012

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.6.1.4.0.tgz
software activate VOSS4K.6.1.4.0.GA
```

or

```
software add VOSS7K.6.1.4.0.tgz
software activate VOSS7K.6.1.4.0.GA
```

or

```
software add VOSS8K.6.1.4.0.tgz
software activate VOSS8K.6.1.4.0.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 and 6.1.3.2 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 and 6.1.3.2 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 and 6.1.3.2 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 and 6.1.3.2 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 and 6.1.3.2.

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 and 6.1.3.2 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 and 6.1.3.2 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 and 6.1.3.2 for VSP8404c platform

7. Compatibility

8. Changes in 6.1.4.0

New Features in This Release

Old Features Removed From This Release

Problems Resolved in This Release

ID	Description
VSP4000-220	System fails to ntp sync with Galleon devices.
VSP4000-222 VSP4000-208	Fix SysUpTime rollover after 496 days. EDM and CLI SysUpTime will not rollover for 68 years.
VSP4000-224 VSP4000-226	VRRP with Critical IP enabled not transitioning from master to backup once VLACP blocks port.
VSP7200-44	CRC errors and link bounces on VSP7254XSQ 10G ports.
VSP7200-54	CRC errors and link bounces on VSP7254XSQ 40G ports.
VSP7200-61	EDM Port selector on 40G last 4 ports greyed out
VSP8000-276	IPv6 SNMP error causes SNMP access to end.
VSP8000-296	ARP entry corrupted when static route pointing to a nexthop in other VRF is bounced. High CPU utilization maybe observed.
VSP8000-308	Unable to access the switch through Console, SSH and Telnet.
VSP8000-309	Peer mac address learned against non-IST port. Bridging device may be incorrectly L2 forwarding IST peer's VLAN mac addresses across VLAN boundaries.
VSP8000-314	Node resets when a multicast stream changed ingress ports.
VOSS-10049	Removing and adding ISID back causes remote mac learning failure.
VOSS-10113	SNMP retransmit crashes using stale entry.
VOSS-10166	IPv6 UDP buffer leaks when buffer is full. Buffer dropped and not freed. Resulted in IPv6 sockets not being able to be established.

9. Outstanding Issues

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>.

Copyright © 2018 Extreme Networks, Inc. - All Rights Reserved.

Legal Notice

Extreme Networks, Inc. reserves the right to make changes in specifications and other information contained in this document and its website without prior notice. The reader should in all cases consult representatives of Extreme Networks to determine whether any such changes have been made.

The hardware, firmware, software or any specifications described or referred to in this document are subject to change without notice.

Trademarks

Extreme Networks and the Extreme Networks logo are trademarks or registered trademarks of Extreme Networks, Inc. in the United States and/or other countries. All other names (including any product names) mentioned in this document are the property of their respective owners and may be trademarks or registered trademarks of their respective companies/owners.

For additional information on Extreme Networks trademarks, please see:

www.extremenetworks.com/company/legal/trademarks