

VSP Operating System Software Release 7.1.1.0

1. Release Summary

Release Date: November 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.

If upgrading systems running 6.0.x releases or older, refer to section 4 for instruction about the need to step-through a 6.1.x release prior to going to 7.1.1.0 release.

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.
4. Upgrading from releases 6.0.x and earlier
 - a. Direct upgrade from 6.0.x or earlier releases to 7.x releases is not supported.
 - b. Please upgrade to a 6.1.x release first (Release 6.1.6.0 or higher is recommended). Then upgrade to the desired 7.x release (Release 7.1.1.0 or higher recommended).

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.7.1.1.0.tgz	Release 7.1.1.0 archived software distribution	143808370
VOSS4K.7.1.1.0_mib.zip	Archive of all MIB files	1117208
VOSS4K.7.1.1.0_mib.txt	MIB file	7408141
VOSS4K.7.1.1.0_mib_sup.txt	MIB file	1270792
VSP4000v711_HELP_EDM_gzip.zip	EDM Help file	3960940
VSP4000v7.1.1.0.zip	EDM plug-in for COM	5578143
VOSS4K.7.1.1.0.md5	MD5 Checksums	469
VOSS4K.7.1.1.0.sha512	SHA512 Checksums	1386

Virtual Services Platform 7200 Series

File Name	Module or File Type	File Size (bytes)
VOSS7K.7.1.1.0.tgz	Release 7.1.1.0 archived software distribution	104522573
VOSS7K.7.1.1.0_mib.zip	Archive of all MIB files	1117208
VOSS7K.7.1.1.0_mib.txt	MIB file	7408141
VOSS7K.7.1.1.0_mib_sup.txt	MIB file	1274886
VOSSv711_HELP_EDM_gzip.zip	EDM Help file	3960940
VOSSv7.1.1.0.zip	EDM plug-in for COM	5904477
VSP7K.7.1.1.0.md5	MD5 Checksums	572
VOSS7K.7.1.1.0.sha512	SHA512 Checksums	1532

Virtual Services Platform 8000 Series

File Name	Module or File Type	File Size (bytes)
VOSS8K.7.1.1.0.tgz	Release 7.1.1.0 archived software distribution	159964241
VOSS8K.7.1.1.0_mib.zip	Archive of all MIB files	1117208
VOSS8K_7.1.1.0_mib.txt	MIB file	7408141
VOSS8K.7.1.1.0_mib_sup.txt	MIB file	1274886
VOSSv711_HELP_EDM_gzip.zip	EDM Help file	3960940
VOSSv7.1.1.0.zip	EDM plug-in for COM	5904477
VSP8K.7.1.1.0.md5	MD5 Checksums	572
VOSS8K.7.1.1.0.sha512	SHA512 Checksums	1532

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.7.1.1.0.tgz
software activate VOSS4K.7.1.1.0.GA
```

or

```
software add VOSS7K.7.1.1.0.tgz
software activate VOSS7K.7.1.1.0.GA
```

or

```
software add VOSS8K.7.1.1.0.tgz
software activate VOSS8K.7.1.1.0.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, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0 and 7.1.0.1 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, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0 and 7.1.0.1 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 and 7.1.0.1 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 and 7.1.0.1 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, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0 and 7.1.0.1.

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, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0 and 7.1.0.1 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, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0 and 7.1.0.1 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 and 7.1.0.1 for VSP8404c platform

7. Compatibility

8. Changes in 7.1.1.0

New Features in This Release

This release supports products that contain the newer revision of RTC (Real Time Clock) component.

The hardware revision number of the affected products has been updated to reflect this change. For each product in the affected product families the following hardware revisions and higher contain the updated RTC component:

Model	Minimum Hardware Revision
VSP4450GSX	11
VSP4450GTX-HT	11
VSP7254XSQ/VSP7254XTQ	13
VSP8284XSQ	12
VSP8404	10
VSP8404c	12

To determine the version of your product, check the label on the box or use the CLI command **show sys-info** to check the H/W Revision field.

The minimum versions of software required for proper functioning of the product with the new RTC component are as follows:

- 6.x software baseline – 6.1.6.0
- 7.x or later series – 7.1.0.1 (pre-installed only in factory) or 7.1.1.0 (available on Extreme Support Portal)

Problems Resolved in This Release

ID	Description
VOSS-11335	Fixed a high CPU issue in "show ip igmp snoop-trace" command when "show fulltech" is issued.
VOSS-11644	VOSS 7.0 does not log message when incorrect power supply DPS-800RB Q is installed.
VOSS-11693	Enhanced warning message when Resource Manager allocations are used up.
VOSS-11834	VOSS 7.x does not allow VLAN list to be added to ACL when configured from CLI.
VOSS-11996	All VLACP interfaces timed out on the box due to buffer exhaustion.
VOSS-12045	Fixed an erroneous message when "backup configure" command is executed.
VSP4000-231	Clean-up of ACL entries after administratively shut MLT port is removed.
VSP4000-235	SNMPv3 informs in authPriv mode do not work with XMC server.
VSP4000-239	Discarding Gratuitous ARP packet having opcode GRAT ARP REPLY.
VSP4000-242	Unable to Communicate between VRF interfaces.
VSP7200-71	Device may reset when TACACS EDM user is configured with access level 15 and "show fulltech" or "show user" commands are run.
VSP8000-348	VSP8404 - Unable to upgrade from 6.1.4 to 7.0 with no cards in the chassis.
VSP8000-351	Enhanced log message to display CLI port numbers instead of BCM port numbers.

VSP8000-358	Device may reset while adding MSDP Peer.
VSP8000-362	ISIS:LSP TLV22 contains stale adjacency info after I1-metric change.
VSP8000-366	40G Optics information not seen on VSP 8400 Hardware revision 2 running on 7.1 software version.

9. Outstanding Issues

Please see “Release Notes for VSP Operating System” for software release 7.1.0 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 7.1.0 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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