

# Virtual Services Platform 9000 Software Release 4.2.1.0

## **1. Release Summary**

Release Date: December 21, 2017

Purpose: Software release to address customer found software issues.

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

None.

## **3. Platforms Supported**

Virtual Services Platform 9000 (all models).

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

None.

## **5. Notes for Upgrade**

Please see “*Virtual Services Platform 9000, Release Notes*” for software release 4.1.0.0 (NN46250-401) available at <http://www.avaya.com/support> for details on how to upgrade your Switch.

## **File Names For This Release**

File Name	Module or File Type	File Size (bytes)
VSP9K.4.2.1.0.tgz	Release 4.2.1.0 archived distribution	177233503
VSP9K.4.2.1.0_modules.tgz	Encryption modules	41904
VSP9K.4.2.1.0_mib.zip	Archive of all MIB files	826414
VSP9K.4.2.1.0_mib.txt	MIB file	5497380
VSP9K.4.2.1.0_mib_sup.txt	MIB file	959378
VSP9000v410_HELP_EDM_gzip.zip	EDM Help file	3882169
VSP9K.4.2.1.0.md5	MD5 Checksums	586

VSP9K.4.2.1.0.sha512	SHA encryption	1546
VSP9000v4.2.0.0.zip	EDM WAR plugin for COM	5657179

### 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 procedure:

```
software add VSP9K.4.2.1.0.tgz
software add-modules 4.2.1.0.GA VSP9K.4.2.1.0_modules.tgz
software activate 4.2.1.0.GA
```

### 6. Version of Previous Release

Software Version 3.4.x.x, 4.0.0.0, 4.0.1.0, 4.0.1.1, 4.0.1.2, 4.1.0.0, 4.1.1.0, 4.1.2.0, 4.1.3.0, 4.1.4.0, 4.1.5.0, 4.2.0.0

### 7. Compatibility

None.

### 8. Changes in 4.2.1.0

#### New Features in This Release

None

#### Old Features Removed From This Release

None

#### Problems Resolved in This Release

Issue Number	Issue Description
VSP9000-814	NNI broadcast packets which are received on IST port and expected to be forwarded over the SMLT UNI interface are getting dropped in the data path of Gen-1 IO module.

VSP9000-824, VSP9000-836	On systems running with scaled SPB configurations and frequent ISIS LSDB updation, reset may occur while executing "show fulltech.
VSP9000-827	System resets when BGP Path attributes update message exceeds 1460 bytes.
VSP9000-833	For easier debugging, additional diagnostic information has been included in the following error message reported on Gen-1 IO module(s) "GlobalRouter COP-SW ERROR rspBulkRead32() k2b_syn_read failed rc: <no>. k2DevId: <no>. k2Slice: <no>, rspAddr: <addr>, <b>BAPErrStatus</b> <value>, <b>BAPErrAddr</b> <addr>".
VSP9000-835	Log level of the message "GlobalRouter SPBM ERROR Exceeded NNI MGID scaling number" has been changed to INFO as it is not service impacting.
VSP9000-826	On networks with scaled ISIS adjacencies on Gen-2 IO module(s), flaps may be observed when multiple multicast streams ages out at same time. To optimize the way CPU service the ISIS control packets, new command has been implemented.  <b>CLI command:</b> <b>Under global configuration mode:</b> "mcast-fifo-optimize enable fifo7-meter <6000-20000> isis-meter <6000-10000>" Optional parameters: fifo7-meter <6000-20000> isis-meter <6000-10000>"  "no mcast-fifo-optimize enable" "default mcast-fifo-optimize enable"
VSP9000-840	Creation of dhcp relay forward path after HA failover gives error "Error: Creation of DHCP relay configuration exceeds the enforced limit".

## 9. Outstanding Issues

Please see "Virtual Services Platform 9000, Release Notes" for software release 4.1.0.0 (NN46250-401), 4.1.1.0, 4.1.2.0, 4.1.3.0, 4.1.4.0, 4.1.5.0 and 4.2.0.0 available at <http://www.avaya.com/support> for details regarding Known Issues.

## 10. Known Limitations

Please see "Virtual Services Platform 9000, Release Notes" for software release 4.1.0.0 (NN46250-401), 4.1.1.0, 4.1.2.0, 4.1.3.0, 4.1.4.0, 4.1.5.0 and 4.2.0.0 available at <http://www.avaya.com/support> for more details regarding Known Limitations.

## 11. Software Scaling Capabilities

Please see "Virtual Services Platform 9000, Release Notes" for software release 4.1.0.0 (NN46250-401) available at <http://www.avaya.com/support> for more details regarding scaling capabilities.

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## **12. Documentation Corrections**

For other known issues, please refer to the product release notes and technical documentation available from the Avaya Technical Support web site at: <http://www.avaya.com/support> .

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