

# Virtual Services Platform 9000 Software Release 4.1.4.1

## **1. Release Summary**

Release Date: May 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.4.1.4.1.tgz	Release 4.1.3.4 archived distribution	176701259
VSP9K.4.1.4.1_modules.tgz	Encryption modules	41896
VSP9K.4.1.4.1_mib.zip	Archive of all MIB files	825433

VSP9K.4.1.4.1_mib.txt	MIB file	10984592
VSP9K.4.1.4.1_mib_sup.txt	MIB file	957963
VSP9000v410_HELP_EDM_gzip.zip	EDM Help file	3882169
VSP9K.4.1.4.1.md5	MD5 Checksums	523
VSP9K.4.1.4.1.sha512	SHA encryption	1387
VSP9000v4.1.0.0.zip	EDM WAR plugin for COM	5655812

### 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.4.1.4.1.tgz
software add-modules 4.1.4.1.GA VSP9K.4.1.4.1_modules.tgz
software activate 4.1.4.1.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

### 7. Compatibility

### 8. Changes in 4.1.4.1

#### New Features in This Release

None

#### Old Features Removed From This Release

None

## Problems Resolved in This Release

Issue Number	Issue Description
VSP9000-757	During VLAN migration from GRT to VRF, VPE_ARP ERRORS may be continuously logged for Gen-2 IO modules indicating failure to add records to the ARP table.
VSP9000-761	Connectivity issues observed due to nodal BMAC association to certain ARP entries not populated on Gen-2 IO modules. The missing of nodal BMAC for ARP entries causes transmission of SPB traffic without BMAC encapsulation and results in reachability issues.
VSP9000-766, VSP9000-768, VSP9000-775	<p>The size of RSP Exception capture file, which is created when exception packets are generated at RSP, increments continuously increasing buffer utilization on internal flash memory.</p> <p>In addition to fixing the issue, a flag has been introduced to disable or enable the RSP Exception packet capture feature from the IO shell, as follows. In the privilege mode, from the IO card shell:</p> <p>To disable the feature: setflag ("rspExpDebug", 3)</p> <p>To enable the feature: setflag ("rspExpDebug", 0)</p> <p>The feature is enabled by default.</p>
VSP9000-771	Traceroute to IP interface does not work on inter-VRF routes accepted using ISIS accept policies.
VSP9000-777	Latency issues may be observed on Gen-1 IO modules for inter-VRF routes redistributed using ISIS accept policies. Elevated CPU utilization may be observed as packets are forwarded through the control plane.

## 10. 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 and 4.1.3.0 available at <http://www.avaya.com/support> for details regarding Known Issues.

## 11. 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 and 4.1.3.0 available at <http://www.avaya.com/support> for more details regarding Known Limitations.

Issue Number	Issue Description
VSP9000-708	A new heap index will be associated with SPB L3VSN arp record in the system every time an ISIS interface is toggled. There will be no functional impact until 64000 ARP indices are exhausted. A log message has been added to indicate a leak for every 1000 ARP indices in the system. The sum of arp leak count (xxxxx) in the log message “ <b>GlobalRouter VPE_SPBM INFO cmd_proc: spb arp index leaked in the system - xxxxx</b> ” for an IO module and number of arp addresses in the system are near to 64000, module reset is recommended to recover the condition. The solution for this issue will be provided in the next upcoming software release.

## 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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