

# Virtual Services Platform 9000

## Software Release VSP9K.3.4.1.0.GA

### Patch Readme File

**Patch Title:** VSP9000: 3.4.1.0 RTM replacement route

**Patch File:** VSP9K.3.4.1.0.GA-T01169793A.tgz File size: 10532 bytes

**Patch Type:** Hitless

**Prerequisite patches:** none

**Work Item#:** wi01169793

**Description:**

In a multi-VRF environment, Packets are being discarded due to an arp record being incorrectly programmed in the GlobalRouter context instead of the expected VRF context. This can occur when a routing protocol uses the ARP record's IP address as one of the next-hops of an ECMP route, and the routing protocol is not the preferred path to the route.

For example – the nexthops 10.48.0.22 and 10.48.0.34 in following “show route alt” output has been incorrectly programmed to be in the GlobalRouter context instead of VRF2.

Note that the preferred path is a STATIC route, while the path with the incorrect VRF context is a non-preferred route.

|            |             |             |              |    |     |        |      |     |
|------------|-------------|-------------|--------------|----|-----|--------|------|-----|
| 10.125.0.0 | 255.255.0.0 | 10.48.2.84  | VRF2         | 5  | 114 | STAT 0 | IB   | 5   |
| 10.125.0.0 | 255.255.0.0 | 10.48.20.82 | RF2          | 15 | 789 | OSPF 0 | IAE  | 120 |
| 10.125.0.0 | 255.255.0.0 | 10.48.20.66 | VRF2         | 15 | 788 | OSPF 0 | IAE  | 120 |
| 10.125.0.0 | 255.255.0.0 | 10.48.0.22  | GlobalRouter | 15 | 701 | OSPF 0 | IAEU | 120 |
| 10.125.0.0 | 255.255.0.0 | 10.48.0.34  | GlobalRouter | 15 | 713 | OSPF 0 | IAEU | 120 |

If the error condition is already present, IP ARP entry has to be flushed (within the VRF context using `no ip arp <ip address>` CLI command) before applying the patch.

**Software Load Label:**

Verify that the software load label on the chassis is 3.4.1.0.GA (Primary Release)

>show software

If the software label is not 3.4.1.0.GA do not proceed with the patch application and contact your next level of support.

## **Patch Application Instructions:**

ftp the patch file VSP9K.3.4.1.0.GA-T01169793A.tgz to /intflash in binary format

**Please make sure that the syncing of information to the backup CP card is completed before proceeding to the next step.**

```
software patch add VSP9K.3.4.1.0.GA-T01169793A.tgz
show software patch --- Patch status should read "ca"
```

```
software patch apply patch-ids T01169793A
show software patch --- Patch status should read "ap"
software patch commit
show software patch
/*Patch status should read "ap"*/
```

## **Patch Lab Test Instructions:**

Apply patch T01169793A and perform basic patch sanity.

## **Patch Removal Instructions:**

```
software patch revert patch-ids T01169793A
software patch commit
software patch remove version 3.4.1.0.GA patch-id T01169793A
show software patch
```

## **Patch V status date:**

7/18/2014

## **Other Documentation**

Please see "Upgrades and Patches-Software Release 3.4 Avaya Virtual Services Platform 9000"  
Doc ID NN46250-401 available at <http://www.avaya.com/support> for details on patch management.

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