



# Ethernet Routing Switch 4500

## Software Release 5.3.2

### 1. Release Summary

Release Date: 18-Dec-2009

Purpose: Software patch release to address customer found software issues.

### 2. Important Notes Before Upgrading to This Release

None.

### 3. Platforms Supported

Ethernet Routing Switch 4500 (all models).

### 4. Notes for Upgrade

For details on updating the software on your Ethernet Routing Switch, please see "*Nortel Ethernet Routing Switch 4500 Series, Configuration — System*" for software release 5.3 (NN47205-500 v05.0x). To download this document, go to <http://www.nortel.com/support>, and select **Routers & Routing Switches**. Under Ethernet Routing Switches, select your **Ethernet Routing Switch 4500 Series** model. Click on **Documentation** in the gray banner to view a list of all documentation for the product.

#### File Names For This Release

File Name	Module or File Type	File Size (bytes)
4500_5303_diag.bin	Diagnostic image	1,589,514
4500_532006.img	Agent code image	6,270,520
4500_532007s.img	Agent code image (SSH)	6,526,856

### 5. Version of Previous Release

Software Version 5.3.1.

### 6. Compatibility

This software release is managed with Java Device Manager (JDM) release 6.1.9.

## 7. Changes in This Release

### New Features in This Release

Support for additional SFPs (Note while the SFP are DDI capable, software instrumentation for the DDI functionality is not present with this release):

Order Code	Description
AA1419050-E6	1-port 1000BaseXD DDI SFP (connector: LC) - 1310nm.
AA1419051-E6	1-port 1000BaseXD DDI SFP (connector: LC) - 1550nm.
AA1419052-E6	1-port 1000BaseZX DDI SFP (connector: LC) - 1550nm.
AA1419053-E6	1-port 1000BaseCWDM SFP (connector: LC) - 1470nm , 40km.
AA1419054-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1490nm , 40km.
AA1419055-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1510nm , 40km.
AA1419056-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1530nm , 40km.
AA1419057-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1550nm , 40km.
AA1419058-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1570nm , 40km.
AA1419059-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1590nm , 40km.
AA1419060-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1610nm , 40km.
AA1419061-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1470nm , 70km.
AA1419062-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1490nm , 70km.
AA1419063-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1510nm , 70km.
AA1419064-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1530nm , 70km.
AA1419065-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1550nm , 70km.
AA1419066-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1570nm , 70km.
AA1419067-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1590nm , 70km.
AA1419068-E6	1-port 1000BaseCWDM DDI SFP (connector: LC) - 1610nm , 70km.
AA1419071-E6	1-port 1000Base DDI SFP (connector: LC) - 1550nm , 120km.

### Old Features Removed From This Release

None.

### Problems Resolved in This Release

When a client device IP address is released and re-obtained by DHCP in quick succession when the switch port was configured for DHCP Snooping and Dynamic ARP inspection; sometimes the ARP messages from the client device were incorrectly dropped (**Q02059938**).

When DHCP Snooping and Dynamic ARP Inspection were both configured on a port sometimes it would take a long time for IP phones to obtain their IP addresses (**Q02077416**).

When DHCP Snooping was enabled, some devices which set the DHCP broadcast flag (for example some models of Cisco WLAN Access Points) were not learnt by the DHCP Snooping function (**Q02084318**).

When DHCP Relay was enabled on the switch, in some situations DHCP packets larger than 590 bytes in size without a CRC were not forwarded. Some devices for example Avaya IP Phones can generate large DHCP requests of 1038 bytes (**Q02056838**).

In some situations after upgrade from release 5.2.2 to 5.3.0 or 5.3.1 the MAC security settings may have been lost (**Q02057920**).

With EAP/802.1X clients enabled on all ports of a 8 unit stack and one of the units in the stack was power cycled, the EAP/802.1X clients on that unit may not have been re-authenticated (**Q02093522**).

When using client devices connected behind an IP Phone on a port for which NSNA and DHCP Snooping were enabled, if one of the units in the stack was power cycled, then the clients connected to that unit may not have been able to obtain their IP addresses via DHCP (**Q02016900**).

## **8. Outstanding Issues**

None.

## **9. Known Limitations**

None.

## **10. Documentation Corrections**

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

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