Ethernet Routing Switch 5510/5520/5530
Software Release 5.1.1

1. Release Summary

Release Date: 16-March-2008
Purpose: Software patch release to address customer found software issues.

2. Important Notes Before Upgrading to This Release

For customers upgrading from older software versions, a series of upgrades are required to prevent configuration corruption under certain circumstances. This upgrade path includes the following releases: 4.0, 4.1, 4.2, and 5.0.

3. Platforms Supported

Ethernet Routing Switch 5510/5520/5530

4. Notes for Upgrade

Please see "System Configuration Guide for Nortel Ethernet Routing Switch 55xx Series, Software Release 5.0" (Part No. 217468-B, available at http://www.nortel.com/support). In the Product Finder, select Routers and Routing Switches- Ethernet Routing Switch 5510, 5520, or 5530-24TFD, followed by Documentation) for details on how to upgrade your Ethernet Routing Switch.

File Names For This Release

File Name	Module or File Type	File Size (bytes)
5530_500004_diag.bin	Diagnostic image	812,036
5530_511016.img	Agent code image	5,975,088
5530_511017s.img	Agent code image (SSH)	6,212,500

5. Version of Previous Release

Software Version 5.1.0.

6. Compatibility

This software release is managed with Java Device Manager (JDM) release 6.0.2.

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7. Changes in This Release

New Features in This Release

None

Old Restrictions Removed from This Release

The previous SMLT restriction noted in the v5.0.0 Release Notes, stating that 'Devices connected directly to the IST Peer/Aggregation Switches must be on different VLANs than devices connected to the Access Switches' has been addressed and no longer exists. Devices connected directly to the IST Peer/Aggregation Switches are no longer required to be on different VLANs than devices connected to the Access Switches.

Problems Resolved in This Release

Using the 10 Gig ports of the 5530, any broadcast packet received on one SMLT link was reflected out of the corresponding SMLT link on the other SMLT aggregation pair (**Q01783955)**

Ethernet broadcast received on IST was erroneously forwarded via operational SMLT link (**Q01816627**)

When using a user defined protocol based VLAN, intermittent packet loss resulted (**Q01584366-01**)

UDP forwarding did not work for limited IP broadcast (**Q01766541**)

The switch should not learn the MAC address of the servers over the IST (**Q01798784**)

MAC address of the management VLAN was learned over the IST even if IST not part of the management VLAN (**Q01809879**)

The switch lost the VRRP MAC address if its peer was rebooted (**Q01809900**)

The SMLT failover was not working properly (**Q01807250**).

When using MSTP, the edge transmitted packets before the IST/SMLT was formed (**Q01812276**)

On a specific setup, after EAP authentication, IP connectivity discontinued (**Q01738603**)

Software tools performing an aggressive port scan of the device caused the Telnet service to hang in some instances (**Q01684746-01**)

ifSpeed attributes are not being returned for the 10 Gb interfaces (**Q01729521-01**)

The MACaddress table aging time was not temporarily reduced to the forward delay time of STP when there was a topology change and a TCN was received (**Q01692326-01**)

MLT Uplink ports were not recovering after power cycle of the base unit (**Q01759628-01**)

With MAC Security enabled on a stack with a large number of ports active, stack instability sometimes occurred (**Q01641040-02**)

When accessing the switch through a web browser using a fully qualified domain name, the "Server too busy" error prevented normal operation (**Q01693733-01**)

Cursor disappeared after logout (**Q01731465-02**)

The DMLT recovery algorithm was enhanced per customer request (**Q01784387-01**)

DHCP stopped working when NSNA was globally enabled (**Q01738600**)

8. Outstanding Issues

EAP/MHMA: EAP INIT => authentication temporary fail **(Q01840171)**
When EAP is reinitialized, authentication will fail the first attempt and then will authenticate correctly after approximately 30 seconds.

EAP/MHMA - RADIUS VLAN attribute is ignored after reset **(Q01837436)**
Workaround: in the interface configuration mode for the selected ports, reinitialize EAP (eap init) or, in global configuration mode disable and then enable EAP and authenticate the hosts again after that.

Stack of 3; Reset Base-> IST & SMLT become "normal" forever **(Q01838589)**
This is a special case issue resulting from a reboot of only the base unit. It is corrected by rebooting the stack.

AUR doesn't work in Temporary Base **(Q01835551)**
When the stack switches to the temporary base due to a base unit reset, AUR is not able to get a “Ready for replacement” status from other stack units.

9. Known Limitations

SMLT/SLT does not transition to Normal state when VLACP goes down on links (**Q01798409)**
This limitation is due to the fact that when VLACP is disabled on an SMLT link, the switch code uses the link state to determine link up state instead of the VLACP state. As long as the link is connected, the state will be shown as SMLT/MLT.

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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