Ethernet Routing Switch 1424T
Software Release 2.1.6.0

1. Release Summary

Release Date: 16-Feb-2006
Purpose: Software patch release to address customer found software issues.

2. Important Notes Before Upgrading to This Release

None.

3. Platforms Supported

Ethernet Routing Switcht 1424T L3 switch.

4. Notes for Upgrade

Please see "Release notes for the Passport 1400 Series Switch Software Release 2.1.3, available at http://www.nortel.com/support, (select Passport family, then Passport 1424T) for details on how to upgrade your Policy Switch.

File Names For This Release

File Name	Module or File Type	File Size (bytes)
PP1424T_216_mib.zip	MIB zip file	360,714
PP1424T_216.had	Run-time image	1,969,760

5. Version of Previous Release

Software Version 2.1.4.0

6. Compatibility

This software release is managed with Java Device Manager (JDM) release 5.7.0.0 and later.

7. Changes in This Release

New Features in This Release
None.

Old Features Removed From This Release
None.

Problems Resolved in This Release

Using Ethernet Routing Switch 1424T release 2.1.6, ERS 1424T does no longer stop routing after 50 days of up time (Q01243495).

8. Outstanding Issues

None.

9. Known Limitations

None

10. Documentation Corrections and additions

Port mirroring
Using an ERS1424, in case of routed traffic, the mirroring port does not seem to capture the traffic, when using a PC based packet sniffer tool such as Ethereal or Sniffer Pro. The reason is when mirroring routed traffic, the packets egressing the mirroring port are always tagged regardless of the mirroring port is tagged or not and these tagged packets are discarded by the NIC of a PC, connected to the mirroring port, as a PC's NIC discards any packet larger than 1518 bytes in size (a tagged packet is 1522 bytes in size).
The following example clarifies the way port mirroring works on ERS1424:

Mirrored port : A
Mirrored port : B
Mirroring port (target port) : C
Bridging packet stream : X
IP forwarding/switching stream : Y
Stream packet length: 1518 bytes.
-- Behavior :
1. If A,B,C are in the same VLAN ,C is an untagged port and sniffing stream X
--> Regardless of A and B are tagged or untagged, the mirrored packets from both A and B are untagged 1518 bytes.
2. If A,B and C are in the same VLAN ,C is a tagged port and sniffing stream X
--> Regardless of A and B are tagged or untagged, the mirrored packets from both A and B are tagged, 1522 bytes.
3. If A and C are in the different VLANs and C sniffs stream X or Y.
--> Regardless of C is tagged or untagged, the mirrored packets from are tagged, 1522 bytes.
4. If A and C are in the same VLAN and C sniffs stream Y.
--> Regardless of C is tagged or untagged, the mirrored packets are tagged, 1522 bytes.
5. The tag value of the mirrored packets is based on the ingress VLAN.
(Q01422885-01)

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 .

To access more technical documentation, search our knowledge base, or open a service request online, please visit Nortel Technical Support on the web at: http://www.nortel.com/support