



Enterprise Switch Manager (ESM)

Release Notes for Enterprise Switch Manager Software Release 6.2

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Release Notes for Enterprise Switch Manager Release 6.2

The Nortel Enterprise Switch Manager (ESM) Release Notes for release 6.2 provide the following information:

- "New features in Enterprise Switch Manager 6.2" (page 7)
- "Supported operating systems" (page 9)
- "Supported devices" (page 9)
- "Upgrading and downgrading ESM" (page 11)
- "Known issues" (page 12)
- "Resolved issues" (page 13)
- "Related publications" (page 14)

New features in Enterprise Switch Manager 6.2

This section summarizes the new features of Nortel Enterprise Switch Manager (ESM), release 6.2.

Multimedia Manager

A new submanager, Multimedia Manager, has been added to ESM. Multimedia Manager allows you to:

- manage Auto Detection/Auto Configuration (ADAC)

With ADAC enabled, a switch can support and prioritize Nortel IP Phone traffic automatically. The ADAC functionality introduced in ESM 6.1 has been enhanced and incorporated into Multimedia Manager.

- view and configure 802.1ab parameters

Multimedia Manager supports the following 802.1ab parameters: LLDP, Port dot1, Port dot3, and Port med.

Multimedia Manager is supported by the following devices:

- ERS 2500, version 4.1.0 and above

- ERS 4500, version 5.1.0 and above
- ERS 55xx, version 5.0 and above
- ERS 8300, version 3.0 and above
- ES 460/470, version 3.6 and above

VLAN domain synchronization

VLAN Manager has been enhanced with the addition of a domain synchronization feature. Domain synchronization allows you to distribute the VLAN configuration from one device, called the server node, to other devices in your network. Domain synchronization synchronizes the VLANs between the same spanning tree mode devices.

With domain synchronization you can:

- select any subset of devices to be part of the synchronization domain (sync domain)
- synchronize to any subset of the VLANs of the server node
- add new server node VLANs
- delete or modify existing server node VLANs

RADIUS server support

RADIUS server support has been enhanced to allow you to define all user attributes at the RADIUS server. In addition to controlling basic user credentials at the RADIUS server, the RADIUS administrator now defines all submanager and e-mail preferences.

Multicast Manager enhancements

The IGMP and IGMP Snoop protocols have been enhanced to include: global parameters, IGAP, Stream Limit, and Source Specified Multicast.

A new Policy feature provides access to prefix lists and policy routes for a switch.

File Inventory Manager upgrade wizard

The upgrade wizard can now be used to upgrade ERS 16xx devices (release 2 and above) as well as ERS 8000 devices.

CircuitLess IP

Support for the CircuitLess IP routing protocol has been added to Multicast Manager and Routing Manager.

Operating system support

Enterprise Switch Manager 6.2 supports Microsoft Vista.

Supported operating systems

The following table lists the operating systems supported by ESM 6.2.

Operating system	Version	File type
Windows	2000 (Professional), XP, 2003, and Vista	esm_6200.exe
Linux	Kernel version 2.2 and above	esm_6200_linux.sh
Sun Solaris/SunOS	2.8, 2.9, 2.10/5.8, 5.9, 5.10	esm_6200_solaris.sh

Enterprise Switch Manager bundles the Java Runtime Environment (JRE) version 1.6. Operating system patches are required for installing the JRE for some Solaris/SunOS releases.

Supported devices

The following table lists the devices supported by ESM 6.2.

Device	Software release
Ethernet Routing Switch 8600, including the following hardware: 8681XLW module, 8681XLR module, 8616GTE module, 8672ATME MDA, 8608GBM module, 8608GTM module, 8632TXM module, 8648TXM module, 8672ATMM module, 8683POSM module.	3.0, 3.0.x, 3.1.x, 3.2.0, 3.2.0.2, 3.2.1.0, 3.2.2, 3.3, 3.5, 3.7, 4.0, 4.1
Ethernet Routing Switch 8600 Web Switching Module	WebOS 9.x, 10.0.x
Ethernet Routing Switch 8100	2.0, 2.0.1.1, 3.1.x, 3.2.0, 3.2.0.2, 3.2.1.0, 3.2.2, 3.3
Ethernet Routing Switch 8300	2.0, 2.1, 2.2, 2.2.8, 2.3, 3.0, 4.0
Passport 1050/1150/1200/1250	2.0.5.6, 2.0.5.7, 2.0.7.2, 2.0.7.3, 2.0.7.4, 2.1.0, 2.1.3
Ethernet Routing Switch 1424T	2.1

Device	Software release
Ethernet Routing Switch 1612G, 1624G, 1648T	1.0, 1.2, 2.1
BayStack 350/410/450	3.0, 3.1, 4.0, 4.1, 4.2, 4.3, 4.4
Business Policy Switch 2000	1.0, 1.0.1, 1.1, 1.2, 2.x, 3.0, 3.1
BayStack 380-24 T	2.0, 3.0
BayStack 380-24 F	2.1.0, 3.0
BayStack 420	1.0, 1.0.2, 1.1, 1.1.1, 1.1.2, 1.1.3, 3.0, 3.1
Ethernet Switch 460	2.3, 3.0, 3.1, 3.5, 3.6, 3.7
Ethernet Switch 470-24 T	3.0, 3.0, 3.1, 3.5, 3.6, 3.7
Ethernet Switch 470-48 T	2.1.0 (standalone only), 2.2.0, 2.2.1 (stack also supported), 3.0, 3.0, 3.1, 3.5, 3.6, 3.7
Ethernet Switch 425-24T	2.0, 3.0, 3.0, 3.1, 3.5, 3.6
Ethernet Switch 425-48T	3.1, 3.5, 3.6
Ethernet Routing Switch 5510, 5520	3.0, 3.0.0.1, 3.0, 4.0, 4.1, 4.2, 4.3, 5.0, 5.1
Ethernet Routing Switch 5530	4.2, 4.3, 5.0, 5.1
Ethernet Routing Switch 3510	4.0
OPTera Metro 1200/1400/1450	1.0, 1.2, 1.3
Alteon 2208, 2216, 2224, 2424, 2424 SSL, 3408	AOS 21.0
WLAN AP	1.3

Device	Software release
Ethernet Routing Switch 4548GT_PWR, 4550T, 4550T_PWR, B4524GT, 4526FX, B4526GTX, B4526GTX_PWR, B4526T, B4526T_PWR, 4548GT	5.0, 5.1.0
Ethernet Routing Switch 2526T, 2526T-PWR, 2550T, 2550T-PWR	4.0, 4.1.0

Upgrading and downgrading ESM

To upgrade to ESM 6.2:

Step Action

- 1 Install ESM 6.2 in a separate directory.
- 2 Launch ESM 6.2.
- 3 To migrate existing scheduled tasks from previous software versions of ESM (4.0, 4.1, 5.0, 5.1, 6.0, 6.0.1, 6.1), use the Scheduled Tasks Upgrade Utility feature (**File > Upgrade**).
Note: To ensure that scheduled tasks have migrated successfully, open and test ESM 6.2.
- 4 Uninstall previous versions of ESM (4.0, 4.1, 5.0, 5.1, 6.0, 6.0.1, 6.1).

—End—

To downgrade from ESM 6.2 to a previous version:

Step Action

- 1 Uninstall ESM 6.2.
- 2 Create a new directory.
- 3 Install the previous version of ESM.

—End—

Known issues

Details of known issues with ESM 6.2 are presented in this section.

File/Inventory Manager

- Backups fail intermittently on a Windows 2003 platform. The error message is: "Unable to open SNMP session: No buffer space available (maximum connections reached?): Cannot bind". The problem occurs every 1 to 2 weeks and a reboot resolves the issue but it recurs. (Q01749971)

Multicast Manager

- There is a FastJoin Prune data mismatch between CLI and ESM. If FastJoinPrune is disabled then in ESM > Multicast Networks > PIM_SM > Globals, the FastJoinPrune field entry is "disabled". (This is also the case with JDM). In the CLI, the FastJoinPrune field entry is empty. (Q01808446)

Routing Manager

- Routing Manager fails to load properly if you launch or relaunch Routing Manager when there are no network connections. The status bar indicates that Routing Manager is "Building Tree" but the activity does not complete. Other submanagers exhibit similar behavior when there are no network connections. (Q01823122)
- The title of the Static Route dialog box (IPv4 Networks > IP ROUTING > Static Route > select a node > Add Table Row) is truncated on Windows and Linux platforms. (Q01805102)

Security Manager

- The RSA and DSA key size fields are not updated through ESM though they can be updated through CLI. (Q01811621)

Topology Manager

- Hiding and un hiding the IPv6 enable switch causes switch instability. During this instance the IPv6 device cannot be accessed and it is shown without a device label in the map. (Q01505368)

VLAN Manager

- If you delete an MSTI in VLAN Manager, the MSTI and all associated VLANs are deleted on the affected switches. You can reload VLAN Manager to display that the MSTI and VLANs are deleted. (Q01510725)

On-line Help

- Multicast Manager: The Help button is not working for SSM and AccessList (Static Members) "Add Table Row" window. (Q01849234)
- MIB Browser: The toolbar Help button is not working on Linux and Solaris platforms. (Q01849254)
- File Inventory Manager: In the main page of "Upgrading ERS 8000 Series devices and ERS 16xx devices using Upgrade Wizard", the "Target devices dialog box" and "Config Backup/Image Options dialog box" links are missing. (Q01849263)

Resolved issues

Issues from previous releases that are resolved in ESM 6.2 are detailed in this section.

File/Inventory Manager

- Under **Actions, Compare Runtime Config With Existing Config** does not work for PP8600 software version 3.7.12.0 devices. (Q01715056)

MultiLink Trunking Manager

- **Edit > Preferences** option is not working for SMLT network. The entire devices that were available before setting the preference still appears. (Q01645743)

Routing Manager

- **Highlight Topology** option is not working under VRRP. The selected device does not display under the Topology Manager. (Q01638074)
- Under **OSPF > Interfaces**, the Interfaces Advance table displays the MGMT IP address for ERS 8300 device. (Q01649645)
- Under **Edit > BRouter Ports**, insert more than one VRRP value for ERS 8600. These multiple entries do not get displayed under **BrouterPorts > VRRP**. But if only one entry is inserted, it gets displayed. (Q01652090)
- Under **IPV6 Networks > IPV6 Routing > Interfaces**, deleting and then adding a row for any device causes NullPointerException in the interface. (Q01672917).

Security Manager

- Access Policies configured for Telnet, http, rlogin, FTP, SSH, and TFTP are not being applied to the devices in the security group. (Q01513956)
- Under **Password > CLI**, in the CLI Access table `2a:2a:2a:2a:2a:2a:00` appears instead of `*` in the

RWA/RW/RWL3/RWL2/RWL1/RO Username and Password fields.
(Q01645857)

Topology Manager

- After applying SNMPv3 configuration to Ethernet Routing Switch 1600 Release 2.1.1.0, the device symbol does not turn to SNMPv3 device symbol. (Q01664990)

VLAN Manager

- When port members are moved from one MSTI to another it is not properly updated and the port members appear under both the MSTIs. (Q01589585)
- When port members are moved from one VLAN to another, under RSTP it is not properly updated and the port members appear under both the VLANs. (Q01589588)
- If wrong input is given while inserting or updating the tagged ports, error message (-1) pops up. (Q01612289)

Related publications

For comprehensive information about installing and using Enterprise Switch Manager 6.2, refer to:

- *Installing Enterprise Switch Manager* (NN47300-300)
- *Using Enterprise Switch Manager* (NN47300-100)

Enterprise Switch Manager (ESM)

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