Enterprise Switch Manager
Release 6.3

1. Release Summary

Release Date: 23-March 2009
Purpose: The Nortel Enterprise Switch Manager (ESM) Release Notes for release
6.3 provide the following information:

- New features in Enterprise Switch Manager 6.3
- Supported operating systems
- Supported devices
- Upgrading and downgrading ESM
- Known issues
- Resolved issues

2. Important Notes Before Upgrading to This Release

None.

3. New features in Enterprise Switch Manager 6.3

This section summarizes the new features of Nortel Enterprise Switch Manager (ESM), release 6.3.

- **SMLT/MLT Enhancement – Mesh, Triangle, Square categorization in SMLT/MLT manger**
    - SMLT network type Tables – triangle or square or mesh
    - Status high-light for troubleshooting – Plausibility
    - Topology Highlight,
        - Context based SMLT Topology Highlight views
            - Tabular <-> Graphical Topology context
        - Topology enhancement to SMLT/MLT details
- **Tabular Topology view**
    - Tab based Tabular topology views
- **Web based Inventory and Topology views**
    - Tabular & graphical views
    - HTTPS based secured communication
    - NBI (north bound interface) support for device Inventory
- **VRF Configuration and Discovery support**
    - Network wide VRF & VLAN Management
    - VRF based Discovery
    - Multi-device VRF creation
- **Discovery scheduling & Topology file support**
    - Ability to Schedule Discovery and store topo files
    - Load topo file based on previous Discoveries

- **Topology based Trap color propagation – Severity Colors**
  - Trap severity color – TrapOID based
  - Propagate on Topology Map – Ability to Acknowledge
- **Export VLAN Configuration**
  - Export VLAN config to flat file
- **Device port-scan for MAC address with Scheduling**
  - Scan device(s) port and export to file – Manual / Scheduled
- **Enhanced keyboard shortcut & Over-rides**
  - Ability to create keyboard short-cuts for ESM operation
  - Over-ride ESM integrated tools defaults – JDM, telnet, ping etc..
- **SMARTDiff – enhancement**
  - store config diffs – resolve config issues
- **ESM 6.3 integrated CLI*Manager tool**
  - CLI*Manager pre-packaged with ESM 6.3
  - Integrated install
  - Run under same JVM
- **SMLT/MLT configuration Wizard**
  - Exclusive packaged & licensed in ESM 6.3

4. Supported Operating systems

The following table lists the operating systems supported by ESM 6.3.

Operating system	Version	File Type
Windows	XP, 2003, 2008 and Vista	esm_6300.exe
Linux	Kernel version 2.2 and above	esm_6300_linux.sh
Sun Solaris/SunOS	8,9,10	esm_6300_solaris.sh

Support for VMware environment for Windows and Linux Operating system

Enterprise Switch Manager 6.3 bundles the Java Runtime Environment (JRE) Version 1.6. Operating system patches are required for installing the JRE for some Solaris/SunOS releases. ESM 6.3 bundle with JRE 1.6.0_12 for Window 2008

5. Device Support

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, 5.0, 5.1

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, 4.1, 4.2
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
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 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, 6.0
Ethernet Routing Switch 56xx	5.1, 6.0
Ethernet Routing Switch 5530	4.2, 4.3, 5.0, 5.1, 6.0
Ethernet Routing Switch 3510	4.0
Ethernet Routing Switch 45xx	5.0, 5.1.x, 5.2
Ethernet Routing Switch 25xx	4.0, 4.1.x, 4.2
Ethernet Routing Switch 16xx	2.1.5.x, 2.1.6.x
Alteon 2208, 2216, 2224, 2424, 2424 SSL, 3408	AOS 21.0
OPTera Metro 1200/1400/1450	1.0, 1.2, 1.3
WLAN AP	1.3

6. Upgrading and downgrading ESM

To upgrade to ESM 6.3:
Step   Action
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1   Install ESM 6.3 in a separate directory.
2   Launch ESM 6.3.
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, 6.2), use the Scheduled Tasks
        Upgrade Utility feature (**File > Upgrade**).
        Note: To ensure that scheduled tasks have migrated successfully, open and test ESM 6.3.
4   Uninstall previous versions of ESM (4.0, 4.1, 5.0, 5.1, 6.0, 6.0.1, 6.1, 6.2).

        —End—

To downgrade from ESM 6.3 to a previous version:
Step   Action
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1   Uninstall ESM 6.3.
2   Create a new directory.
3   Install the previous version of ESM.

—End—

7. Known issues

- For **86xx 5.1** and **8300 4.2** JDM support, customers will need to download JDM 6170 for element management from Nortel support website
- **Windows 2008 platform specific** - WinAgents TFTP Server for Windows is a full-service TFTP server realized as a Windows service.
  This service must be stopped to use ESM bundled TFTP server properly although using "WinAgents TFTP Server" user could achieve same functionalities.

8. Resolved issues

CR Numbers	Details
Q01823122	ESM_6.2:Route Mgr: Throws Exception when Launching RM w/o N/W connection
Q01805102	ESM_6.2:Route Mgr:IP Routing>Static Route>New Table Row,"Title bar" is Truncated
Q01505368	ESM_6.01: ESM General:Hiding and unhiding Ipv6 enable switch causes problem
Q01510725	ESM_6.01:VLAN Mgr:Able to delete msti with many VLANs in it thro delete option.
Q01849254	ESM_6.2: MIB BROWSER->Help pages are not opening
Q01812452	ESM_6.2:TM:Port popup window is displayed offscreen
Q01831346	ESM_6.2:Security Manager:Mismatch fields in ESM & JDM for AccessPolicy table tab
Q01849262	ESM_6.2:MCM:Dvmrp RPB Trees folder & MRoute RPM Trees folder links not working
Q01833707	ESM_6.2:Multicast Mgr:'MasklenFrom'& 'MasklenUpto' fields should be non-editable
Q01834625	ESM_6.2:Multicast Mgr: 'PrefixListName' field should be Non-Editable
Q01652100	ESM_6.1:Route Mgr:VRRP->FastAdvertisementInterval field should not be editable.
Q01929772	ESM6.2- cannot find file during config backup
Q01916008	ESM6.2-properites of 470 display incorrectly in vlan manager
Q01933593	ESM 6.2: ERS 55xx 5.1.1: Properties box not showing all unit of a stack when 551
Q01977226	ESM6.3- ascii backups fail for any device listed after 4500s

Q01975073	ESM6.2-cant discover over 64 devices within flat network
Q01981450	ESM 6.2 write community string can be wrong if there is an 0 in the IP address