



NetScreen-Security Manager Release Notes

Release 2007.2
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1 Version Summary

Juniper Networks NetScreen-Security Manager (NSM) is a comprehensive security management solution designed to manage device, network, and security configuration for integrated firewall, intrusion detection and prevention, and virtual private network (VPN) appliances, sensors, and systems.

2 New Features

The following is a list of new features and enhancements in this NSM release:

- **Central Manager**—Features of the Central Manager include:
 - **Management of Regional Servers**—The primary function of your Central Manager will be the management of Regional Servers. From the Central Manager you will be able to add, delete and manage Regional Servers.
 - **Global Pre/Post Rules**—In NSM, a policy supports many kinds of rulebases. Each rulebase is an ordered list of rules. Pre-rules and Post-rule are two ordered lists of rules, which are defined on the Central Manager as part of a policy and pushed to the desired Regional Servers (Global Policy Install).
 - **Polymorphic Objects**—Pre/Post Rules defined on the Central Manager may use some shared objects where one or more fields may be defined in the context of the Regional Server to which the rules will be pushed. To provide the regional server admin the capability of customizing Central Manager pre/post rules to their specific environment, the concept of Polymorphic Objects has been established. In *NSMXpress*, the following objects categories can have a polymorphic type: Address, Service, Zone, and NAT objects.
- **Regional Server**—Features of the Regional Server include:
 - **Pre-and-Post Domain Rules**—A Domain Administrator can specify a policy definition at a domain level that will apply to all devices within the specific domain and all subdomains. The rules can be applied as pre and post rules for any device in the given domain and subdomains.
 - **High Availability (HA) Enhancements**—These enhancements includes:
 - Improved database synchronization by utilizing database replication feature of Berkeley Database
 - Support for HA server running as a non-root process
 - Additional parameters to make HA control more configurable
 - Enhanced HA notification and logging mechanism.
 - **Identity Enabled Profiler**—This feature correlates UAC logs (user information) with Profiler Data (application information). It is available for use with ISG devices with IDP configurations and support for profiler. This feature provides administrators a view of what applications are being used at the user level. This feature will be released under a different name.

- **NSM Information Banner after Login**—Optional server-wide setting that allows the super administrator to create custom text that is shown on an information banner after login credentials are accepted by the NSM Server.
- **Job Manager Usability Enhancements**—The admin name associated with a submitted job will now be displayed in the Job Manager to improve usability.

3 Upgrade Considerations

Direct upgrade of NSM 2006.1r2 to NSM 2007.2r1 is not successful if the NSM server is run with “nsm” user permissions. The upgrade has to be executed in two steps. First, upgrade the existing 2006.1r2 version to 2007.1r2 and then perform the upgrade from 2007.1r2 to 2007.2r1.

When managing IDPs or ISG-IDPs with Profiler enabled, it is required to have 2GB memory on the GUI Server.

4 Addressed Issues

The following issues are addressed in this release.

- **227609**—Bulk-add configlet assigns secondary devSvr IP as 0.0.0.0.
- **227240**—Long delay in drill down from custom reports.
- **227165** —When the HA server processes are reloaded on a secondary server running on Solaris 10, the heartbeat connected between the servers may be briefly interrupted.
- **226961**—Sensor cannot be added to the device using a MIP address.
- **223234**—When uploading firmware 5.4r2tmav and 5.4r2av-k to NSM, the incorrect version is updated to the device.
- **223176**—Template within a template required GUI client to restart for displaying values correctly.
- **223079**—NSM VPN Manager assigns in-use tunnel interfaces to VPNs.
- **221007**—HA replication working incorrectly with the older domain versions.
- **219859**—VPN Monitor filter does not display any information in the "ToHostname" column.
- **219303**—Custom attack signatures do not allow you to modify the supported platforms.
- **217407**—RSYNC process is not killed when HA Server process is stopped.
- **210914**—When filtering by "device group" under Log Viewer for the devices column, no logs are returned from the filter.

- **210576**—Last Modified Date should not be used for determining the changes to the attack signatures. To find the new or changed signatures, user should go to the job manager and check the job status after the security update is done in NSM.
- **191931**—NSM sends no CLI changes to the device after binding a VSI to a loopback group.

5 Known Issues

This section describes known issues with the current release. Known issues updates are released bi-monthly. You can subscribe to the updates by going to <http://www.juniper.net/customers/support> and selecting the Subscribe to Technical Bulletins option.

5.1 Limitations of Features

None

5.2 Known Issues

This section describes known issues with the current release. Whenever possible, a work-around is suggested following the description of the problem. Workaround information starts with “W/A:”.

- **235779**—Policy validation will result in an error with empty Polymorphic objects.
- **235765**—An error will occur if the destination address of a Policy in Central Manager has an empty Polymorphic address object and the policy is updated to the regional server.
- **234729**—NSM incorrectly displays template overrides on device settings.
- **233940**—Job Manager shows success for a failed profiler start directive.
- **233465**—NSM client does not get redirected to the master server if backup server MIP IP is used.
- **232281**—Job failures are seen when "Summarize Delta Config" is run against thousands of devices at once.

W/A: Run Delta in small groups of devices.

- **231981**—Direct upgrade of NSM 2006.1r2 to NSM 2007.2r1 is not successful if the NSM server is run with “nsm” user permissions.

W/A: Upgrade from NSM 2006.1r2 to NSM 2007.1r2 first. Then upgrade from NSM 2007.1r2 to NSM 2007.2r1.

- **231423**—Policy validation does not report shadowing for rules in rulegroups.
- **227489**—NSM Policy Merge tools aborts when merging very large policies.

- **227458**—After auto-purge, the Application/Network/Violation profiler views no longer show data for some ISG devices.

- **226886**—Unable to update the firmware for Cluster in NSM - does not show members when Update firmware is selected by right-clicking on the device.

W/A: Use updated firmware from the top menu.

- **226340**—VPN monitor does not save filters.
- **226231**—NSM sends wrong CLI when adding SNMP target IP to existing community.

W/A: 1. Delete the snmp community, update the device. 2. Add the snmp community back with all the snmp hosts including additional ones try to add early, update device again.

- **226147**—Configuration of Dead Peer Detection parameters in VPN IKE Gateway is currently not supported in NSM.
- **226083**—After upgrade to 2007.1r2, the setperms.sh script has to be executed such that all the processes are started as a non-root user.
- **226080**—Installer exits with a -1 error when the /etc/sysctl.conf parameters are not updated.

W/A: Add the Shared memory shmmax values in the respective configuration & reboot the NSM server before starting the upgrade.

- **225681**—NSM is setting improper src interface while updating the device after the RMA device.
- **225574**—Unable to select a local interface on the cluster members for setting the syslog parameters.
- **225020**—Real-time monitor does not show the status of SSG-550M devices.
- **224573**—Wireless Interface Configuration is not supported for SSG Wireless devices.
- **224319**—Log Investigator times out when the NSM GUI has been idle for 30 minutes and an error “Index Timed Out” is displayed.

W/A: Ignore the error and select OK for the query to happen again.

- **224045**—Policy rule groups creation is displayed incorrectly in audit log.
- **224044**—NSM audit log shows a generic entry when a template is created with missing data.
- **223661**—NSM does not allow defining Supplemental CLI commands on a Cluster.
- **223573**—Adding rule after creating rulegroups creates duplicate IDs. This problem is not seen if rulegroups are not present.

- **223518**—Using custom CA certificates, when Best effort for Revocation checking method is used, these CLI's do not get updated to the device.
- **223131**—NSM GUI does not allow creation of a sub-interface on a cluster level when VSD 0 is unset.

W/A: Contact JTAC for a workaround.

- **222554**—While re-installing the management system, the "Refresh" option does not prompt you to change previously configured server parameters.
- **221479**—NSM does not allow changing VSD group for NSRP lite.
- **219858**—VPN monitor displays the cluster member name instead of cluster members.
- **219702**—NSRP Monitor does not show correct information when one of the NSRP peer devices is powered off.
- **216303**—A route created in shared vr of a custom vsys is not available in the routing table of root vsys.
- **215443**—AuditLog viewer does not show the policy changes correctly.
- **212199**—If you update a device and the update is unsuccessful, the Audit Log Viewer "device" value is NULL.
- **210073**—Import of the device fails if keyword "admin" is used in the configuration.
- **209934**—Secondary NSM server is not configured on the IDP Sensor when the device is added to NSM. Sensor disconnects from NSM if primary server fails over to backup.

W/A: Use ACM to specify secondary server for each Sensor.

- **209464**—Invalid reference when trying to delete redundant sub-interface.

5.3 Known Issues in ScreenOS 5.x Affecting NSM

The following are known issue in ScreenOS 5.x that specifically affects this release of NetScreen-Security Manager:

- **220967**—NSM is unable to add a device running ScreenOS 5.4r3 code if telnet is used as the method of initial connection.

W/A: Reboot the device and re-add the device in NSM.

- **197124**—While using NetScreen-Security Manager with DI enabled on an NS-500 device running ScreenOS 5.3, you may experience issues when downloading configurations larger than 1.7MB.
- **195025**—NetScreen-Security Manager reports an error when trying to set link-down an interface on an ISG 2000 device.

- **194320**—When upgrading a device from ScreenOS 5.0r10 and lower to ScreenOS 5.3, devices crash.
- **194266**—Devices running ScreenOS 5.3 may crash when generating Deep Inspection logs.
- **194211**—Wireless interface zone settings on devices running ScreenOS 5.3 are always displayed as "none" in the NetScreen-Security Manager UI.
- **193924**—It is not possible to set the bandwidth on interfaces for a VSYS in ScreenOS 5.3.
- **193654**—If you change the Device Server IP address, devices running ScreenOS 5.3 are not able to connect.

W/A: Perform an "RMA Device" and "Activate Device" workflow to continue managing the device.

- **193175**—You can not nest local user groups in ScreenOS 5.3.
- **192644**—NSRD in transparent mode is not functional in ScreenOS 5.3.
- **185847**—Using NetScreen-Security Manager to upgrade security devices running ScreenOS 5.0.0 over a slow network connection (if the image download takes over 5 minutes), occasionally causes updates to time out.

W/A: In most cases, upgrading to ScreenOS 5.0.0 r10 resolves this issue. Refer to the table below for more information describing resolution of this issue in specific branches of ScreenOS.

- **179994 and 185048**—Devices are not able to save the key used to connect to the NetScreen-Security Manager Device Server. This causes the NSM agent on the security device to have to re-negotiate the key every time the security device restarts. The key re-negotiation process can take up to 15 seconds. One side effect of this issue is that when you restart the Device Server, this will also cause key renegotiation for all other security devices running it manages. This may cause system performance degradation that then affects the management of all security devices.

W/A: In most cases, upgrading to ScreenOS 5.0.0 r10 resolves this issue. Refer to the table below for more information describing resolution of this issue in specific branches of ScreenOS.

- **174051**—If you use NetScreen-Security Manager to upgrade the firmware on a device from ScreenOS 5.0.0 to ScreenOS 5.1, the security device crashes.

W/A: In most cases, upgrading to ScreenOS 5.0.0 r10 resolves this issue. Refer to the table below for more information describing resolution of this issue in specific branches of ScreenOS.

The table below describes specific releases of ScreenOS that resolve the issues referenced above, or provides other workaround information:

Issue	5.0.0	5.0.0 r9 for 5000 M2	5.0.0-GPRS.r8.5	5.0.0 WLAN	5.0.0 r9 for ISG 1000/ISG 2000	5.0.0IDP1
185847	5.0.0 r10	Upgrade the device firmware out-of-band using the CLI or WebUI.	Upgrade the device firmware out-of-band using the CLI or WebUI.	5.0.0 r10	5.0.0 r10	5.0.0IDP1 r2
179994 and 185048	5.0.0 r10	Upgrade the device firmware out-of-band using the CLI or WebUI.	Upgrade the device firmware out-of-band using the CLI or WebUI.	5.0.0 r10	5.0.0 r10	5.0.0IDP1 r2
174051	5.0.0 r10	5.2	5.2	5.0.0 r10	5.0.0 r10	5.0.0IDP1 r2

- **171897**—It is not possible to create a configlet for a device in transparent mode.

6 Getting Help

For more assistance with Juniper Networks products, visit:

www.juniper.net/support

Juniper Networks occasionally provides maintenance releases (updates and upgrades) for ScreenOS firmware. To have access to these releases, you must register your NetScreen device with Juniper Networks at the above web address.

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