



Nortel Secure Network Access Switch

Release Notes for Software Release 1.6.1.X

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See Nortel Secure Network Access Switch 4050 Configuration - Using CLI (NN47230-100) for more information.

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Release Notes for Nortel Secure Network Access Solution 1.6.1.X

These release notes for the Nortel* Secure Network Access (Nortel SNA) solution describe the hardware, software, and any known limitations and considerations that exist in this release. The release notes are based on Nortel Secure Network Access Switch Software Release 1.6.1.X (all versions 1.6.1, 1.6.1.1, 1.6.1.2, and 1.6.1.3).

For a list of related publications, see "Related publications" (page 25). For copies of Nortel SNA solution documentation, see the CD included with your software or the Nortel technical documentation Web site, <u>www.nortel.com/support</u>. For more information, see "Reading path" (page 25).

These release notes cover the following topics:

| Торіс |
|------------------------------------------------------------------|
| "Overview" (page 7) |
| "New software features in this release" (page 8) |
| "Supported hardware and software" (page 10) |
| "Implementing the Nortel SNA solution" (page 15) |
| "Known limitations and considerations in this release" (page 19) |
| "Reading path" (page 25) |
| "Hard-copy technical manuals" (page 26) |
| "How to get help" (page 26) |

The information in these release notes supersedes applicable information in other NSNA documentation.

Overview

The Nortel SNA solution is a protective framework to completely secure the network from endpoint vulnerability. The Nortel SNA solution addresses endpoint security and enforces policy compliance. Nortel SNA delivers endpoint security by enabling only trusted, role-based access privileges premised on the security level of the device, user identity, and session context. Nortel SNA enforces policy compliance, such as for Sarbanes-Oxley and COBIT (Control OBjectives for Information and related Technology), ensuring that the required anti-virus applications or software patches are installed before users are granted network access.

For Nortel, success is delivering technologies providing secure access to your information using security-compliant systems. Your success is measured by increased employee productivity and lower network operations costs. Nortel's solutions provide your organization with the network intelligence required for success.

Nortel Secure Network Access Switch 4050

The Nortel Secure Network Access Switch 4050 (Nortel SNAS 4050) controls the operations that secure the network, working with edge switches and network back-end servers and applications to provide an out-of-path solution. The Nortel TunnelGuard network manager monitors user sessions controlled through ports enabled for Nortel SNA. The Nortel Security & Routing Element Manager (SREM) and Browser Based Interface are GUI tools that you can use to configure and manage the Nortel SNA switch and to monitor solution statistics

New software features in this release Improved Multi-OS Support in TunnelGuard Applet

TunnelGuard is currently supported on Windows. It does not run on non-Windows operating systems (OSes). The "Multi-OS Support" feature allows the TunnelGuard to identify Linux operating system or Macintosh operating system users and collect the necessary information. The TunnelGuard is allowed to identify the operating system as Linux or Macintosh and collect the device specific information and also performs additional compliance checks for those operating systems.

The following types of Linux operating system are supported:

- RedHat Enterprise Linux 4
- RedHat Enterprise Linux 3
- Fedora Core 6
- Fedora Core 5
- SUSE Linux Enterprise 10

The following types of Macintosh operating system are supported:

- Mac OS X Server v10.5 Leopard
- Mac OS X Server v10.4 Tiger

- Mac OS X v10.3 Panther
- Mac OS X v10.2
- Mac OS 9
- SNAS management using BBI

The Browser Based Interface (BBI) is an internet browser based application you can use to configure and manage the Nortel SNAS 4050.

For specific information about using BBI, see Nortel Secure Network Access Switch 4050 Configuration – Using BBI (NN47230-500).

Nortel TunnelGuard System Agent

The Installed Tunnel Guard Agent provides a client component for the NSNA solution that runs as a system service under the Microsoft Windows 2000, XP, and Vista operating systems. The TunnelGuard System Agent supports both system and user authentication and provides single sign-on support for user authentication.

For more information on installable TunnelGuard agent, see Nortel Secure Network Access Switch 4050 Configuration – Using TunnelGuard System Agent (NN47230-501).

Nortel TunnelGuard Desktop Agent

The TunnelGuard Desktop Agent is a small cached version of a JAVA application. TunnelGuard desktop agent helps ensure that clients are always running the latest version of the application and eliminates complicated installation or upgrade procedures.

Nortel TunnelGuard Browser Applet

A browser based JAVA applet providing a client-less captive portal solution for Windows, Mac and Linux endpoints.

LDAP enhancements

Following are enhanced features for the backend LDAP authentication support:

Native groups

The use of native groups from LDAP eliminates the need of managing multiple sources of user data while integrating the NSNAS with an environment based on LDAP as user database.

Short Group Format

Lets you configure the SNAS to extract the first part of a returned Distinguished Name (DN) as the group name to be used.

Advanced

The Advanced LDAP menu is used to configure the desired attribute/value when searching for a user record in an LDAP/Active Directory database. The feature is disabled by default, which means that no extra requirement is added when searching for a user record.

User remediation

The 'kick' command in the CLI has been modified to kick a user session based on username, IP address, or MAC address. An updated Nortel Threat Protection Remediation Module is also provided as part of this release. Main# /info/kick/

[Kick Menu]

user - Kick user by name

addr - Kick user by ip or mac address

Note: You can find the resolved CRs for the Release 1.6.1.3 in "Issues fixed in Nortel SNAS 1.6.1.3 release" (page 17).

Supported hardware and software

The Nortel SNA solution performs authentication and posture assessment for end points connected to access devices typically deployed at the network edge. Nortel SNAS SSCP technology has been incorporated into ERS 5500 and ERS8300 series of products. Nortel SNAS technology also can perform authentication and posture assessment for non-SSCP enabled switches and Ethernet routers by using the DHCP mode of enforcement. In this mode SNAS provides a network agnostic mode of operation supporting non-SSCP switching platforms such as (and not limited to) ES 325, 425, 450, 460, 470, and ERS 2500, 4500, 8600, and non-Nortel Ethernet Switching platforms. The Nortel SNA solution secures both PC and Voice over IP (VoIP) phone clients in the network.

Switch hardware and software

"Supported network hardware and software" (page 10) lists supported network hardware and software.

Supported network hardware and software

| Component | Specifications |
|-------------|-------------------------------------------------------------------------------------------|
| Core router | Nortel Ethernet Routing Switch 8600 or any make or model router of similar specifications |

| Component | Specifications |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Nortel SNAS 4050 | Nortel Secure Network Access Switch Software Release 1.6.1.X |
| | Nortel Tunnelguard System agent Release 3.5 or later |
| Edge switch (network a | ccess device) options: |
| Nortel Ethernet Routing Switch 5510, 5520, 5530 | Nortel Ethernet Routing Switch 5500 Series, Software Release 5.0.4 or later |
| Nortel Ethernet Routing Switch | Nortel Ethernet Routing Switch 8300 Series, Software Release 4.0 supports NSNA 1.6.1.X) |
| 8300 | Java Device Manager (JDM) 6.0.2.0 or later |

Client hardware and software

"Supported PC client hardware and software" (page 11) lists supported PC client hardware and software.

Note: The current release of SREM client software is not supported on UNIX or Linux platforms.

Supported PC client hardware and software

| Client hardware and software | Versions |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| PC clients | Microsoft Windows 2000 Professional SP4 Microsoft Windows XP SP2 Windows Vista MAC OS Linux OS Non-Interactive Devices |
| Browser options | Internet Explorer 6.x, and 7.x Mozilla Firefox 1.x, and 2.x Netscape Navigator 8.0.x Safari |
| Java Runtime Environment (JRE) | JRE 1.5.0.10+ (JRE 1.6 recommended) |

"Supported VoIP client phone models, call servers, and firmware versions" (page 12) lists supported VoIP phone models, call servers, and firmware.

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| VoIP phone model | Business Communications Manager BCM50e: Build_1.28 BCM1000: Version 3.6 | Communication Server 1000, Version 4.5 | Multimedia Communication Server 5100, Version 3.0 |
|---------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|
| IP Phone 2002 model NTDU76 (Nortel SNA Phase1) | F/W 0603B60 | F/W 0603B60 | F/W 0603B60 |
| IP Phone 2002 model NTDU91 (Nortel SNA Phase2) | F/W 0603D65 | F/W 0603D65 | F/W 0603D65 |
| IP Phone 2004 model NTDU92 (Nortel SNA Phase2) | F/W 0604D65 | F/W 0604D65 | F/W 0604D65 |
| IP Phone 2007 model NTDU96 (Nortel SNA Phase2) | F/W 0621C23 | F/W 0621C23 | F/W 0621C23 |
| IP Phone 1140 model NTDU (Nortel SNA Phase 2) | F/W 0625C3C | F/W 0625C3C | F/W 0625C3C |
| IP Phone 1120 model NTDU (Nortel SNA Phase 2) | F/W 0624C3C | F/W 0624C3C | F/W 0624C3C |

Supported VoIP client phone models, call servers, and firmware versions

Back-end services

"Authentication software and back-end services" (page 12) lists authentication and other back-end services specifications.

Authentication software and back-end services

| Software | Version |
|-----------------------|-------------------------------------------------------------------------------------------|
| LDAP authentication | Microsoft Windows 2000 SP4, Windows 2003, Windows Vista, Open LDAP 2.2.26, iPlanet 4.1 |
| | LDAP-S: iPlanet 4.1, Open LDAP 2.2.13 |
| RADIUS authentication | PAP: FreeRadius, Steel-Belted Radius (SBR) 5.0.2 |
| | MS-CHAP v2: Steel-Belted Radius (SBR) 5.0.2, Microsoft Windows IAS (2000 SP4, 2003) |

| Software | Version |
|----------|--------------------------------------------------------|
| DHCP | NSNAS, Microsoft Windows 2000 Server SP4, Linux Fedora |
| DNS | Microsoft Windows 2000 Server SP4, Linux Fedora |

Delivered software images

"Nortel SNAS 4050 software images" (page 13) lists Nortel Secure Network Access Switch 4050 software images you can download from the Nortel Service Portal. For initial installation, download the boot image. For upgrades, download the complete upgrade package.

Nortel SNAS 4050 software images

| Product | Image type | File name |
|--------------------------------------------|----------------------------------------------------|------------------------------------|
| CNAC | Boot | NSNAS-1.6.1.3-boot.img |
| SNAS | Upgrade Package | NSNAS-1.6.1.3-upgrade_complete.pkg |
| SREM | Windows exe | srem_1.2.2.0_016.exe |
| | with bundled JRE | TgVm_3_5.exe |
| | without JRE | TgNoVm_3_5.exe |
| TunnelGuard System Agent Release 3.5 | Customizable MSI package with bundled JRE | TgCstVm_3_5.msi |
| | Customizable MSI package without bundled JRE | TgCstNoVm_3_5.msi |

Note: During a SREM software upgrade, the window with the previous version does not close automatically. Close the window with the previous SREM version before installing a new version.

Threshold specifications

"Hardware and software upper limit thresholds" (page 13) lists upper limit thresholds for hardware and network security software in the Nortel SNA solution.

Hardware and software upper limit thresholds

| Item | Maximum |
|---------------------------------------|---------|
| Nortel SNAS 4050 devices in a cluster | 4 |

| Item | Maximum |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Network access devices for each Nortel SNAS 4050 (where the Ethernet Routing Switch 8300 series access device is a single chassis, and the Ethernet Routing Switch 5500 can have a stack of eight units representing one logical unit controlled by the Nortel SNAS 4050) | 25 |
| Users for each Nortel SNAS 4050 | 2500* |
| *By default, each Nortel SNAS 4050 device ships with 200 user licenses. Upgrade license packs of 100, 250, 500, 1000, 2000, and 5000 additional licenses are available. | |
| Users for each Nortel SNAS 4050 cluster | 10,000 |
| Red VLANS for each network access device | 1 |
| Yellow VLANS for each network access device (number mapped to switch parameters) | 5 |
| Green VLANs for each network access device (number mapped to switch parameters) | 5 |

Performance and scalability

A single Nortel SNAS 4050 supports 2500 concurrent user connections. When clustered for high availability and load balancing, the Nortel SNA solution supports 10,000 concurrent user connections in a cluster. A single cluster supports a maximum of 4 Nortel SNAS 4050 devices. Nortel SNAS supports up to 200 policy enforcement points. It can include a combination of SSCP Enabled PEPs, SSCP-Lite PEPs and 802.1x or Radius Enabled PEPs. To meet these numbers, recommended hardware configuration of Nortel SNAS is:

- IBM 3060 Platform
- 2 x 2.33 GHz Dual-Core
- 6 GB RAM
- 1 x 250 GB SATA
- Dual Power 2 x 10/100/1000
- Cavium 1010 Crypto

Upgrading to Nortel SNAS 1.6.1.X

Secure Network Access Switch running on prior versions of SNAS software can be upgraded to SNAS Release 1.6.1.X. SNAS Release 1.6.1.X includes a new SNAS quick setup wizard that pre-configures many of the sophisticated features, embedded by default with Release 1.6.1.X.

Nortel Secure Network Access Switch Release Notes for Software Release 1.6.1.X NN47230-400 02.07 Standard 1.6.1.X 28 May 2008 The new SNAS quick setup wizard:

- is available only for network administrator who creates a 'new' SNAS cluster while configuring the SNAS
- includes sample configurations for TunnelGuard System Agent, TunnelGuard Desktop Agent and enables the new BBI for web management
- helps the network administrators in configuring the SNAS with the new capabilities of SNAS Release 1.6.1.X

With the help of TunnelGuard tool, the network administrator can associate a SRS rule to a specific OS (Windows 2000, XP, and Windows Server 2003). After upgrade from Release 1.5.1 to 1.6.1.X the existing rules gets applied for all the Operating Systems. If the admin is creating a SRS rule, specific to Operating System in Release 1.6.1.X and performs the downgrade followed by upgrade i.e. Release 1.6.1.X -> 1.5.1 -> 1.6.1.X, all the SRS rules are applied to Operating Systems.

For more information, see the Nortel Secure Network Access Switch 4050 Configuration – Using BBI (NN47230-500).

Implementing the Nortel SNA solution

Implement the Nortel SNA solution by considering the current topology, planning the implementation, and then installing and configuring the switches, the Nortel SNA network security software, and the back-end services.

Nortel SNAS 4050 upgrade

Before you start, upgrade the Nortel SNAS 4050 to use the latest software, following instructions listed in the *Nortel Secure Network Access Switch* 4050 Configuration - Using CLI (NN47230-100) ,Nortel Secure Network Access Switch 4050 User Guide for the SREM (NN47230-101), or Nortel Secure Network Access Switch 4050 Configuration – Using BBI (NN47230-500).

Implementation guidelines

To implement the solution, follow these general guidelines. For guideline details, see the *Nortel Secure Network Access Solution Guide* (*NN47230-200*).

Step Action

- 1 Make a preliminary study and plan the implementation.
- 2 Configure the DHCP server.

3 Configure the Ethernet Routing Switch 8600 with VLAN and port number assignments, VLAN tagging, and DHCP relay enabling.

For instructions, see the configuration samples in the Nortel Secure Network Access Switch 4050 Configuration - Using CLI (NN47230-100), Nortel Secure Network Access Switch 4050 User Guide for the SREM (NN47230-101), or the Nortel Secure Network Access Switch 4050 Configuration – Using BBI (NN47230-500).

4 Configure edge switches, either the Ethernet Routing Switch 55xx or the Ethernet Routing Switch 8300.

For instructions, see Release Notes for Nortel Ethernet Routing Switch 5500 Series, Software Release 5.0.2 (NN47200-400) or Nortel Ethernet Routing Switch 8300 Configuration — Security using Device Manager (NN46200-508)Nortel Ethernet Routing Switch 8300 Configuration — Security using Device Manager (NN46200-508) and Nortel Ethernet Routing Switch 8300 Configuration — Security using CLI and NNCLI (NN46200-503).

5 Configure the Nortel SNAS 4050 with TunnelGuard rules, and enable the edge switches for Nortel SNA management.

For instructions, see the Nortel Secure Network Access Switch 4050 Configuration - Using CLI (NN47230-100), Nortel Secure Network Access Switch 4050 User Guide for the SREM (NN47230-101), Nortel Secure Network Access Switch 4050 Configuration – Using BBI (NN47230-500), or the Nortel Secure Network Access Switch 4050 Configuration – Using TunnelGuard System Agent (NN47230-501).

Note: To enable TunnelGuard to run on all PC clients, download the Java Runtime Environment (JRE) from the Nortel SNAS 4050 to each PC being secured through Nortel SNA. (During use, The TunnelGuard applet does not exit when the browser is closed, in all cases. Nortel SNA functionality is not affected.)

- 6 Test the system.
- 7 Add LDAP and/or RADIUS authentication.
- 8 Customize the Nortel SNAS 4050 portal.

For instructions, see the Nortel Secure Network Access Switch 4050 Configuration - Using CLI (NN47230-100),Nortel Secure Network Access Switch 4050 User Guide for the SREM (NN47230-101), Nortel Secure Network Access Switch 4050 Configuration – Using BBI (NN47230-500), or the Nortel Secure Network Access Switch 4050 Configuration – Using TunnelGuard System Agent (NN47230-501).

—End—

Issues fixed in Nortel SNAS 1.6.1.3 release

The following table lists the issue fixed with the Nortel SNAS in this release:

| Change Request Number | Issue Description |
|-----------------------|--------------------------------------------------------------------------------|
| Q01791067 | With DHCP Hub Mode, Portal not working with Fedora 7 |
| Q01801928 | License problem when using TG System Health Agent |
| Q01822404 | With fresh windows client installation, unable to load the Desktop agent |
| Q01736421 | NSNA unable to forward admin rights through Mgmt GUI |
| Q01816251 | With DHCP Hub mode on Debian, IP not changed even though Compliance successful |
| Q01655151 | No meaningful message to user when installing TgNoVm on non JVM PC |
| Q01791078 | With DHCP Hub, Portal not showing the policy compliance page |
| Q01774038 | Single Sign On Logout Failure - syscredentials /BBI issue |
| Q01803706 | With Dhcp Hub mode, observing portal logout if TG runonce is configured |
| Q01799914 | Observing mismatch in the client port number |
| Q01839974 | SNAS crashing for Portal login-hubmode-nonad min-vista client |
| Q01437702 | Linux OS- Click on home page takes it back to portal page after |

Issues fixed in Nortel SNAS 1.6.1.2 release

The following table lists the issue fixed with the Nortel SNAS in this release:

| Change Request Number | Issue Description |
|-----------------------|------------------------------------------------------------------------------------------|
| Q01694693 | Tunnel Guard should not display warning window for failed sessions in non-snas networks. |
| Q01716538 | Tunnel Guard should allow inheritance for preferences from global profile.ini. |
| Q01717277 | Problem writing global profile.ini on Vista. |

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| Q01721351 | Bypass user authentication when SSO is with blank password profile. |
|-----------|-----------------------------------------------------------------------------------------|
| Q01723916 | Supports SSO on non-english versions of Windows. |
| Q01719753 | Tunnel Guard needs to use same VIP Address to help SNAS support Clustering environment. |

Issue fixed in Nortel SNAS 1.6.1.1 release

The following table lists the issue fixed with the Nortel SNAS in this release:

| Change Request Number | Issue Description |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q01693855 | Fixes a minor issue where after an upgrade to 1.6.1.0 from a previous version of software the new configuration menu items for new SNAS 1.6.1 features were not available. |

Issues fixed in Nortel SNAS 1.6.1 release

The following table lists the issues fixed with the Nortel SNAS in this release:

| Change Request Number | Issue Description |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q01400674 | Non-admin VLAN movement works on Windows XP in all cases, but works on Windows 2000 only if non-admin users are added to "Act as Part of Operating System". |
| Q01400683 | CLI: A subnet cannot be enabled unless known settings for SNAS DHCP filter mode and unknown stdopts (standard options) 51 for unknown settings are set. |
| Q01404163 | When using any browser with Tunnel Guard debug logging enabled, there can be an increase in browser memory use during an extended session. |
| Q01441795 | MAC OS X session is removed from the SNAS after being logged in for approximately 30 minutes. This is because the MAC OS X Sleeping feature shuts down the interface, which subsequently causes the switch to send the SNAS a Port Down event. |
| Q01445368 | If a PC has a MAC trusted entry with a group having no extended profile, the PC still able to do MAC authentication but the session is RED. |
| Q01451799 | When deleting a user from the local database, the session that has username be same with the user will be logged out even this session come from other authenticators (LDAP, Radius). |
| Q01463622 | When using pasted configuration information an error can occur. |
| Q01453733 | If a TunnelGuard rule is dynamically changed, it won't be in effect until users have been kicked out and logged back in. At this time, users must be kicked out individually. The change will take place the next time a user logs in. |

| Q01390392 | The SNAS may not delete an unused phone session. |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q01441788 | A improper message may appear when a user logs into a group which has no extended profile. |
| Q01444510 | There may be a hostname mismatch when obtaining a certificate from the portal. |
| Q01413600 | May not show a proper error when importing or exporting incorrect info. |
| Q01449086 | URL Redirect not showing correctly. |
| Q01452070 | Surfing from a redirected page causes a user to be logged out. |
| Q01453514 | Login may take extended period of time if LDAP is placed ahead of authenticators. To work around this issue always put authenticators ahead of LDAP. |
| Q01346043 | Software Definition is deleted after user hit Esc key to cancel the deletion. Use the Cancel button instead. |

Known limitations and considerations in this release

The following table lists the open issues with the Nortel SNAS, the SREM and the 5500 Series Switch.

Nortel SNAS

| Change Request Number | Issue |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q01355912 | "A PC IP address may remain in the Green VLAN (the user had successfully logged in) after the user closes the browser and the NSNAS has detected the heart beat time-out. This may occur when the user has had multiple tabs open on the browser. Workaround: Issue the ipconfig/release and ipconfig/renew commands." |
| Q01400674 | "The error reported by TunnelGuard, ""ERROR_PRIVILEGE_NOT_HELD"", is a known issue. Non-admin VLAN movement works on Windows XP in all cases, but works on Windows 2000 only if you set the following: 1. Open Control Panel > Administrative Tools > Local Security Settings. 2. Click on Local Policies > User Rights Assignment. 3. Select "Act as Part of Operating System", and add your non-admin user here. |
| Q01400683 | CLI: A subnet cannot be enabled unless known settings for SNAS DHCP filter mode and unknown stdopts (standard options) 51 for unknown settings are set. |

| Change Request Number | Issue |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q01408803 | Syslog messages do not indicate if a client changes filter only when only the filter is changed and not the VLAN. The messages indicate only that the client moved to the Green VLAN. |
| Q01342957 | A PC client may not be able to log in if it is rapidly disconnected and reconnected. To enable access, a PC client can do one of the following: 1. Enter these commands at the Windows command prompt: Ipconfig /release Ipconfig /release Ipconfig /renew 2. Disconnect the PC client and reconnect after a few seconds. |
| Q01427662 | Clients using MAC OSX Safari browser may encounter pop up Certificate acceptance messages. <i>Workaround</i> : Accept the messages |
| Q01434429 | Network access is denied if admin rights for the user using the device are not configured in hub mode setup |
| Q01404163 | When using any browser with Tunnel Guard debug logging enabled, there may be an increase in browser memory use during an extended session. <i>Workaround</i> : Use the fatal level for TunnelGuard logging and the default configuration of Java Console enabled. |
| Q01437702 | If a user has logged into the portal using a Mozilla browser and tries to open a new tab or window to access their homepage, they get directed to the portal login page. After several attempts, a user may be able to access the homepage. Solution : Use another instance of the browser. |
| Q01440906 | When adding a MAC database entry for a PC with parameter dev = phone, the PC will be placed in the GREEN VLAN. In this scenario, the PC should be placed in the RED VLAN. |
| Q01441795 | MAC OS X session is removed from the SNAS after being logged in for approximately 30 minutes. This is because the MAC OS X Sleeping feature shuts down the interface, which subsequently causes the switch to send the SNAS a Port Down event. |
| Q01445368 | If a PC has a MAC trusted entry with a group having no extended profile, the PC still able to do MAC authentication but the session is RED. |

| Change Request Number | Issue |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q01446249 | The Opera web browser cannot run the TunnelGuard applet, so the user cannot login. This is a limitation of the Opera web browser. To workaround this issue, use Internet Explorer or Mozilla as a web browser. |
| Q01451774 | Command "/info/sessions 1 1 tg" does not show users with a "tg" username prefix. To workaround this issue, use the "/info/sessions 1 1 tg*" command. |
| Q01451799 | When deleting a user from the local database, the session that has username be same with the user will be logged out even this session come from other authenticators (LDAP, Radius) |
| Q01342957 | When a PC on the GREEN VLAN is unplugged from its port and plugged into another, it will be directed to the login page when trying to access the internet. This is due to a PC limitation. To workaround this issue, perform the commands "ipconfig/ release" and "ipconfig /renew". |
| Q01348979 | In some cases, the Ctrl-X TunnelGuard hotkey may not function. To workaround this issue, close TunnelGuard using the Close button in the upper right, or close from the file menu. |
| Q01362593 | If users change the window view settings on a Windows operating system, the portal pops up asking if the user would like to log out. Users can choose if they want to log out or stay logged in. |
| Q01411833 | When closing a TunnelGuard applet that is running in a tab of the Firefox web browser, TunnelGuard is not able to renew the address and an error message is displayed in the java console. Due to different implementations of the tabbed browsing feature, tabbed browsing is not supported at this time. |
| Q01418068 | In a cluster, performing the /boot/delete command to delete a SNAS which handle MIP and control a switch, TG PCs on the switch might be logged out. |
| Q01454897 | No error message appears if a user is created and not assigned to a group. The user should require a group assignment prior to creation, and an error message should appear. |
| Q01387768 | The "Add MAC" option for phone devices is redundant and will be removed. |
| Q01415269 | To join a Multi-trunking NSNAS into a cluster unplug all unused ports when running the join wizard. |

| Change Request Number | Issue |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Q01427585 | The Admin Rights feature may reveal the admin password to a normal user. |
| Q01437701 | When kicking out a TG PC login session, if the logout button is clicked, the user may not be able to log back in immediately. |
| Q01439061 | RADIUS Authentication cannot fallback to a local user. |
| Q01439871 | inet_dns command crashes the SNAS. |
| Q01440956 | Hub support cannot resist against DHCP attacks. |
| Q01442679 | A TG PC may be logged in, but redirected to the login page when trying to access the portal homepage. |
| Q01443515 | A PC's green status may remain the same after the MAC has been removed from the database. |
| Q01444426 | A PC may maintain a green filter even if removed from the MacDB. |
| Q01445148 | Yahoo Instant Messenger may lose its connection after logging into the SNAS. To workaround this behavior, put YIM in the exclude list. |
| Q01445279 | When saving trace output to an external TFTP server, the SNAS may only log the first TG PG login. |
| Q01445327 | When update a Global option, DHCP subnets still provide old values for clients. Disable/re-enable subnets required to make the change affected. |
| Q01449080 | TG icon may not display properly when combined with hyperlinks. |
| Q01454814 | When exporting a certificate using the wrong username or password via scp/sftp, an error message displayed with no information. |
| Q01664804 | TunnelGuard Agent does not work properly after stop/start services. |
| Q01684744 | Enhance to have user session back after switched user back to a logged user. |

| Change Request Number | Issue |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q01348029 | "You cannot close the following SREM dialog boxes using the Esc key: 1. Create New On Disk SRS Entry 2. Create New Memory Module SRS Entry 3. Registry Entry 4. Modify Registry Entry 5. Custom Path 6. Version Range 7. Date/Time Range 8. Software Definition Comment" |
| Q01425606 | When copying Authentication and Switch info, the pasted info may not be the same as the copied info. |
| Q01436277 | If a user is set to a non-existent group, the username will be removed from the database. |
| Q01422867-01 | When inserting ranges, the Apply and Insert buttons perform the same function. |
| Q01453910 | If a user clicks Refresh while viewing a client from the Sessions Table, the Session Table will be empty. To workaround this issue, use the Apply button instead. |
| Q01451801-01 | Sessions Table does not refresh to reflect the numbers of sessions after users are kicked out. In accordance with Q01453910, use the Apply button to workaround this issue. |
| Q01463625 | In almost all cases, searching from SREM search engine will return unexpected results. |
| Q01464557 | SREM Help Index may not include all topics. |
| Q01466507 | If both Performance and DHCP Stats charts are open and set to stay on top, a conflict will occur as each window wants to stay on top. |
| Q01343873 | HashAlg is changed to "none" when modifying specify min/max version. |
| Q01346061 | TunnelGuard SRS Builder: Hotkey Alt+E then M to select "Add Selected Memory Module as entry" does not function. |
| Q01346059 | TunnelGuard SRS Builder: Hotkey Ctrl-C and Ctrl-V does not function. To utlize these function choose Copy or Paste from the Edit menu. |
| Q01348979 | In some cases, the Ctrl-X TunnelGuard hotkey may not function. To workaround this issue, close TunnelGuard using the Close button in the upper right, or close from the file menu. |

| Change Request Number | Issue |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q01660174 | SREM does not display AuthType values for connected clients. Connected Client Table does not have a column for AuthType. |
| Q01678434 | SREM does not support the command CLI /cfg/dom 1/aaa/tg/desktopnam |
| Q01648236 | SREM does not support these CLI commands revoke, gensigned, sign, test, and validate certif. |
| Q01647366 | Windows Vista can not join domain in red vlan but Windows XP does. |
| Q01671454 | SSO does not support Novell login from the taskbar icon. Novell SSO is supported only with GINA based Logon. It does not support Novell Logon from application that is launched after login to the desktop. |

Nortel TunnelGuard System Agent

• Rebooting after uninstalling TunnelGuard 3.5 is required

The Windows PC must be rebooted after uninstalling TunnelGuard 3.5. The uninstallation program does not prompt for a reboot, however if the PC is not rebooted certain functions such as mapping network drives and printers may not work properly.

 Microsoft Remote Desktop connections and TunnelGuard user session behavior

While TunnelGuard has an active user session with the NSNAS, Microsoft Remote Desktop connections are supported only if a single user is logged into the computer at the same time (locally and remotely). System sessions with the NSNAS are unaffected by Remote Desktop connections.

— Windows XP Professional

If the system joins a domain OR if "fast user switching" a.k.a. FUS is disabled through the Windows registry or local computer policy then Remote Desktop connections are supported while TunnelGuard has an active user session as long as the same user is logging in remotely. If FUS is not disabled or if a different user is logging in remotely, the active TunnelGuard user session gets disconnected when the Remote Desktop session is established. If TunnelGuard user session termination is configured on the NSNAS to trigger a VLAN change then the Remote Desktop connection can also be lost.

Windows 2003 Server

Supported only if multi-user Terminal Services connections are disabled through registry. See the Microsoft article and search for AllowMultipleTSSesssions for instructions on how to disable multi-user terminal services connections in this link (*http://technet2.microsoft.com/windowsserver/en/library/5c96a496-6d14-43c7-a89f-4b4561a6fb9d1033.mspx?mfr=true*).

Note: Windows XP Professional, and Windows Vista are not supported.

Fast User Switching

Any active TunnelGuard user session with the NSNAS will be disconnected when a user switch is detected. System sessions are unaffected by fast user switching.

Reading path

This section lists documentation for the Nortel SNA solution, Nortel Secure Network Access Switch Software Release 1.6.1. For information about finding and accessing up-to-date documentation, see "Hard-copy technical manuals" (page 26).

Related publications

These publications are related to the Nortel SNA solution:

- Nortel Secure Network Access Switch 4050 Installation Guide (NN47230-300)
- Nortel Secure Network Access Solution Guide (NN47230-200)
- Nortel Secure Network Access Switch 4050 Configuration Using CLI (NN47230-100)
- Nortel Secure Network Access Switch 4050 User Guide for the SREM (NN47230-101)
- Installing and Using the Security & Routing Element Manager (SREM) (NN47230-301)
- Release Notes for Enterprise Switch Manager (ESM), Software Release 6.2 (NN47300-400, Rev 02.02)
- Release Notes for Nortel Ethernet Routing Switch 5500 Series, Software Release 5.1 (NN47200-400)
- Release Notes for the Ethernet Routing Switch 8300, Software Release 4.0 (NN46200-401, Rev 2.01)
- Ethernet Routing Switch 4500 Series Release Notes Software Release 5.1 (NN47205-400_5_1)

Hard-copy technical manuals

You can download current versions of technical documentation for your Ethernet Routing Switch 8300 from the Nortel customer support web site at <u>www.nortel.com/support</u>.

If, for any reason, you cannot find a specific document, use the **Search** function:

Step Action

1 Click **Search** at the top right-hand side of the web page.

The Search page opens.

- 2 Ensure the **Support** tab is selected.
- 3 Enter the title or part number of the document in the **Search** field.
- 4 Click Search.

—End—

You can print the technical manuals and release notes free, directly from the Internet. Use Adobe* Acrobat Reader* to open the manuals and release notes, search for the sections you need, and print them on most standard printers. Go to Adobe Systems at the <u>www.adobe.com</u>URL to download a free copy of the Adobe Acrobat Reader.

How to get help

If you purchased a service contract for your Nortel product from a distributor or authorized reseller, contact the technical support staff for that distributor or reseller for assistance.

If you purchased a Nortel service program, contact Nortel Technical Support. To obtain contact information online, go to the <u>www.nortel.com/contactus</u> web page and click Technical Support.

Information about the Nortel Technical Solutions Centers is available from the <u>www.nortel.com/callus</u> web page.

An Express Routing Code (ERC) is available for many Nortel products and services. When you use an ERC, your call is routed to a technical support person who specializes in supporting that product or service. To locate the ERC for your product or service, go to the <u>www.nortel.com/erc</u> web page.

Nortel Secure Network Access Switch

Release Notes for Software Release 1.6.1.X

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