Nortel VPN Router Release Notes — TunnelGuard Software Release 3.0

NORTEL

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Contents

Preface

These release notes contain the latest information about the Nortel VPN Router TunnelGuard Version 3.0.

Before you begin

These release notes are intended for network managers who are responsible for the Nortel VPN Router. It is assumed that you have experience with windowing systems or graphical user interfaces (GUI), and familiarity with network management.

Text conventions

This guide uses the following text conventions:

angle brackets (< >)	Indicate that you choose the text to enter based on the description inside the brackets. Do not type the brackets when entering the command.
	Example: If the command syntax is **ping** *<ip_address>*, you enter **ping 192.32.10.12**
bold Courier text	Indicates command names and options and text that you need to enter.
	Example: Use the **show health** command.
	Example: Enter **terminal paging** {**off** | **on**}.

braces ({ })	Indicate required elements in syntax descriptions where there is more than one option. You must choose only one of the options. Do not type the braces when entering the command.
	Example: If the command syntax is **ldap-server source {external | internal}**, you must enter either **ldap-server source external** or **ldap-server source internal**, but not both.
brackets ([ ])	Indicate optional elements in syntax descriptions. Do not type the brackets when entering the command.
	Example: If the command syntax is **show ntp [associations]**, you can enter either **show ntp** or **show ntp associations**.
	Example: If the command syntax is **default rsvp** [**token-bucket** {**depth** | **rate**}], you can enter **default rsvp**, **default rsvp token-bucket depth**, or **default rsvp token-bucket rate**.
italic text	Indicates new terms, book titles, and variables in command syntax descriptions. Where a variable is two or more words, the words are connected by an underscore.
	Example: If the command syntax is **ping** *<ip_address>*, *ip_address* is one variable and you substitute one value for it.
plain Courier text	Indicates system output, for example, prompts and system messages.
	Example: File not found.
separator (>)	Shows menu paths.
	Example: Choose Status > Health Check.

Related publications

For more information about TunnelGuard, refer to *Nortel VPN Router Configuration — TunnelGuard* (NN46110-307)*, which provides information about configuring and using the TunnelGuard feature.

You can print selected technical manuals and release notes free, directly from the Internet. Go to www.nortel.com/documentation, find the product for which you need documentation, and locate the specific category and model, or version, for your hardware or software product. Use Adobe Reader to open the manuals and release notes, search for the sections you need, and print them on most standard printers. Go to the Adobe Web site at www.adobe.com to download a free copy of the Adobe Reader.

How to get help

This section explains how to get help for Nortel products and services.

Finding the latest updates on the Nortel Web site

The content of this documentation was current at the time the product was released. To check for updates to the latest documentation and software for TunnelGuard, click one of the following links:

Link to	Takes you directly to the
Latest software	Nortel page for **VPN TunnelGuard** software
Latest documentation	Nortel page for **VPN TunnelGuard** documentation

Getting help from the Nortel Web site

The best way to get technical support for Nortel products is from the Nortel Technical Support Web site:

www.nortel.com/support

This site provides quick access to software, documentation, bulletins, and tools to address issues with Nortel products. From this site, you can:

- download software, documentation, and product bulletins
- search the Technical Support Web site and the Nortel Knowledge Base for answers to technical issues
- sign up for automatic notification of new software and documentation for Nortel equipment
- open and manage technical support cases

Getting help over the phone from a Nortel Solutions Center

If you do not find the information you require on the Nortel Technical Support Web site, and you have a Nortel support contract, you can also get help over the phone from a Nortel Solutions Center.

In North America, call 1-800-4NORTEL (1-800-466-7835).

Outside North America, go to the following web site to obtain the phone number for your region:

www.nortel.com/callus

Getting help from a specialist by using an Express Routing Code

To access some Nortel Technical Solutions Centers, you can use an Express Routing Code (ERC) to quickly route your call to a specialist in your Nortel product or service. To locate the ERC for your product or service, go to:

www.nortel.com/erc

Getting help through a Nortel distributor or reseller

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.

Overview

The Nortel VPN Router TunnelGuard Version 3.0 Release Notes contain the latest information about TunnelGuard.

It is not necessary to upgrade the client to create a user tunnel to the VPN Router. Nortel provides backwards compatibility for Nortel VPN Client (NVC) user tunnel support. The addition of features adds enhancements and does not break the basic tunnel establishment.

TunnelGuard features for software release V3.0

The TunnelGuard features for software release V3.0 are:

Firewall User Authentication (FWUA) with TunnelGuard

Exporting and importing multiple SRS and rules

Persistent configuration for administration

Multiple Operating System support

Scripting support

Registry inside file path and process name support

Enhanced TunnelGuard Administration Interface

Software Banner for Agent, Applet and Administration

The following sections describe these features in more detail. For more information about these features, see *Nortel VPN Router Configuration — TunnelGuard* (NN46110-307).

Firewall User Authentication (FWUA) with TunnelGuard

FWUA with TunnelGuard extends the capabilities of FWUA by downloading the TunnelGuard applet after the user authenticates. TunnelGuard then verifes that the PC has the proper patches installed and is running anti-virus software before granting the PC access to the network.

FWUA with TunnelGuard enabled employs the same processing of stateful firewall rules as FWUA without TunnelGuard.

Exporting and importing multiple SRS and rules

This release provides support for importing and exporting multiple SRS and rules.

Persistent configuration for administration

With this release, an XML-based configuration file is created that resides locally on the desktop PC and which you can modify every time you change your settings. This configuration file helps modify future GUI configurations settings such as templates, colors, or preferences.

Multiple Operating System support

The TunnelGuard Administration as well as TunnelGuard Agent/Applet supports operating system types for SRS Entry and SRS.

Software Definition (SRS) now contains operating system types that cover generic operating systems like Windows.

Scripting support

TunnelGuard now supports scripting. You can define a local script to run if rules are found to be in or out of compliance. Every SRS Rule has a configurable option to run *Rule Action* in response to a rule success or failure. You can add the name of the executable or batch file that is available either locally on a PC or on the network.

Registry inside file path and process name support

In this release, you can add registry-based path variables embedded inside file or module paths and process names for OnDisk and Memory Module based SRS Entries. These variables are parsed to fetch actual Key Value data and replace the variables with the Key Value data before actual on-disk files or process scanning begins.

There is also a *Check Validity* option to check the validity of the path. The Check Validity option is also used to check whether the variables can be parsed correctly and if they are parsed correctly, the value on local system.

Enhanced TunnelGuard Administration Interface

This release improves the way you use the Graphical User Interface (GUI). The TunnelGuard Administration supports the following new features:

Editing options for SRS entries

- Double-click for editing
- Multi-row selection
- Progress bar for lengthy tasks
- Keyboard shortcuts
- Right-click options

Interface Changes

TunnelGuard Administration has improved default icons.

Memory Snapshot on demand

TunnelGuard Administration now takes a memory snapshot on demand as well as at launch time. The GUI has options to minimize and maximize the memory snapshot window.

Software Banner for Agent, Applet and Administration

The TunnelGuard Agent, Applet, and Administration supports improved build scripts for software banners:

TunnelGuard considerations

The following section describes TunnelGuard considerations.

Deleting rules or software definitions

When deleting an existing rule or software definition, you must first remove that definition from any group setting that references it. You must place a different policy on that particular group because (none) is not an option for setting the policy.

Upgrading TunnelGuard

TunnelGuard Agent software has two installation packages. One package contains the Tunnel Guard agent software only, while the other package includes the JVM (Java Virtual Machine) required for TunnelGuard. When you upgrade from a currently installed TunnelGuard Agent, you must upgrade using the same package as was originally installed. You cannot upgrade from one install package to a different package without uninstalling the previous copy. For example, customers who installed TunnelGuard with VM can only upgrade to a newer TunnelGuard with VM.

When upgrading to TunnelGuard 3.0, the JVM is upgraded to 1.5.0 from the previously bundled 1.4.1.

Customized installation kit

The following three parameters, as referenced in the Customized Installation Kit section of Configuring TunnelGuard for the *Nortel VPN Router Configuration— TunnelGuard*, are changed to:

NN_CVC601PATH -> NN_CVCPATH

NN_CVC601VERSION -> NN_CVCVERSION

NN_CVC601FORCEREBOOT -> NN_CVCFORCEREBOOT

There are no changes in the functionality of these parameters.

TG Administration Tool requires JRE 1.5

JRE 1.5 is required to run/uninstall the TunnelGuard Administration Tool applet in Java Web Start. Otherwise, the TunnelGuard Administration Tool is available only through the NVR's web interface.