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# Contivity 251 Annex A ADSL VPN Switch Release Notes



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# Preface

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These release notes contain the latest information about the Nortel\* Contivity 251 VPN Switch Version 2.2.

## Before you begin

These release notes are intended for network managers who are responsible for the Contivity 251 VPN Switch. They assume that you have experience with windowing systems or graphical user interfaces (GUIs) 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.<br>Example: If the command syntax is <b>ping &lt;ip_address&gt;</b> , you enter <b>ping 192.168.1.12</b>   |
| <b>bold Courier text</b> | Indicates command names and options and text that you need to enter.<br>Example: Use the <b>show health</b> command.<br>Example: Enter <b>terminal paging {off   on}</b> .  |
| 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.<br>Example: If the command syntax is <b>ldap-server source {external   internal}</b> , you must enter either <b>ldap-server source external</b> or <b>ldap-server source internal</b> , 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 <b>show ntp [associations]</b> , you can enter either <b>show ntp</b> or <b>show ntp associations</b> . Example: If the command syntax is <b>default rsvp [token-bucket {depth   rate}]</b> , you can enter <b>default rsvp</b> , <b>default rsvp token-bucket depth</b> , or <b>default rsvp token-bucket rate</b> .
<i>italic text</i>	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 <b>ping &lt;ip_address&gt;</b> , <i>ip_address</i> 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 the Contivity 251 VPN Switch, refer to the following publications:

- Release notes provide the latest information, including brief descriptions of the new features, problems fixed in this release, and known problems and workarounds.
- *Contivity 251 VPN Switch Quick Start Guide* introduces the product and provides information about initial setup and configuration.
- *Configuring and Troubleshooting the Contivity 251 VPN Switch* provides complete information about installation, configuration, administration, and troubleshooting.

You can print selected technical manuals and release notes free, directly from the Internet. Go to the [www.nortelnetworks.com/documentation](http://www.nortelnetworks.com/documentation) URL. Find the product for which you need documentation. Then locate the specific category and model or version for your hardware or software product. 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 [www.adobe.com](http://www.adobe.com) URL to download a free copy of the Adobe Acrobat Reader.

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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 an ERC for your product or service, go to the <http://www.nortelnetworks.com/help/contact/erc/index.html> URL.

# Chapter 1

## Overview

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These release notes contain the latest information about the Nortel Contivity 251 Annex A VPN Switch version 2.2.

Refer to your *Configuring and Troubleshooting the Contivity 251 VPN Switch* for instructions on getting your gateway up and running. After you configure an IP address, a subnet mask, and a gateway address (if applicable), you can view online Help from the management interface.

## Nortel CD

### Doc (Documentation) directory

The doc directory contains the documentation set for the Contivity 251 VPN Switch. The guides are provided in Adobe Acrobat PDF format.

## Restricted product - export license requirement

This product incorporates encryption technology that is highly restricted and can require an export license from the US Department of Commerce, Bureau of Export Administration, prior to international shipment.

A product that incorporates encryption with a key length up to 56 bits can be eligible for international shipment pursuant to a license exception. However, any product that incorporates encryption technology exceeding 56 bits will require an export license from the US Department of Commerce.

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## Chapter 2

# Considerations and issues

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The following sections describe issues and considerations that apply to the Version 2.2 release of the Contivity 251 Annex A VPN switch.

### Fixed in this release

#### **Establish retries for client emulation ISAKMP negotiation (Q01665250)**

When connecting to the Contivity VPN concentrator, perform 3 retries to establish SA before deleting the tunnel establishment attempt.

#### **Client emulation failover list is cleared during a failover connection (Q01672454)**

In client termination mode, the device resets its failover list to 0 when connected to a failover switch.

#### **IPSec input idle timer is not correct**

With a tunnel built and input idle timer set to 5 minutes and no traffic passing for 10 minutes, the idle timer reflected 10 minutes between timeouts.

#### **Unable to store a content filter for night hours (Q01010210)**

Content filter rule can't be created for hours like 23:00 to 06:00.

#### **System date and time are not stored (Q01419930)**

Changing time, going to a different web page, then back to the date/time page, showed the time was not set and the device crashed.

## **Special characters in bandwidth management name should not be allowed (Q01234634)**

Bandwidth management class name accepts special characters. This disallows special characters.

## **Duplicate LAN and WAN classes permitted (Q01239615)**

Duplicate subclasses were permitted. This has been disallowed.

## **Product considerations**

The following sections discuss product considerations or limitations.

### **Only one administrative login at a time**

A user can use the WebGUI, telnet, or a console connection, but cannot be logged in to any two simultaneously.

Closing a user interface without properly logging out of the Contivity 251 may result in an inability to log back into the system until the previous session times out (maximum five minutes) or the system is rebooted.

### **Precautions for using email alerting**

In the log settings, having the System Errors or Attacks checked under “Immediate Alerts” results in many emails being sent, as the system will send an email every time there is an event that does not match a firewall rule. This can result in an email flood to the receiving device.

### **Cannot add static route in first entry**

The first static route entry is reserved for system use and thus is read only.

## Configuring the IP address ranges in the VPN setup

When configuring the NAT range in a VPN rule, you must configure the actual range and not the subnet mask.

## Configuring VPN tunnel with multiple VPN tunnels established

When multiple VPN tunnels are already established and passing traffic and you try to configure another VPN tunnel, some packets may be dropped while the Contivity 251 is saving the configuration.

## Configuring Multiple DNS servers

Configure DNS servers that are accessible through a VPN tunnel first in the priority order on the DNS server page.

## Asymmetric Branch Office tunnels

Contivity ABOT tunnels are Aggressive mode tunnels. Be sure to configure tunnels to be used for ABOT as Aggressive mode in the Contivity 251.

## Configuration cannot be saved using Netscape

While managing a Contivity 251 with a Netscape browser, you cannot save the configuration file via the Backup button under the Configuration tab within the Maintenance WebGUI screen. The workaround is to use the Xmodem functionality via the SMT menu screen. Internet Explorer does not exhibit this issue.

## VPN Remote networks do not appear in the routing table

Remote networks specified in the Branch Office - IP Policy screen are not advertised by the Contivity 251 via RIP, and they are not included in the Contivity 251 Routing Table. They can be viewed using the following SMT command:

```
c251> ipsec show spd
```

Traffic crosses the tunnels and forwarding to these remote networks works as expected.

## **Error Checking**

Be sure to check and compare entered values, for example IP addresses and port numbers, to ensure that the values are legal and that conflicts do not exist.

## **Documentation notes**

None to note at this time.



## Known anomalies

### **Traffic intermittently stops when router switches from dial backup to PPPoE**

Traffic intermittently stops when the router switches from dial backup to PPPoE in branch office profile.

### **SFTP/SSH only supports version 1**

### **An error warning is incorrectly displayed when updating time**

After applying time and date change, the device displays an error warning page.

### **Device is slow to respond when first DNS is unreachable**

The device may exceed more than a minute to successfully resolve a slow DNS when the first DNS is unreachable.

### **MSN 6.2 experiences problems with audio transfers and whiteboard features**

Windows XP MSN 6.2 cannot establish audio transfers with Windows XP and 2000 MSN 6.2. Windows XP MSN 6.2 and MSN 7.0 cannot establish whiteboard sharing.

### **UPnP doesn't work through Windows message test**

### **Invalid LAN DHCP client pool size can be saved**

When the LAN client IP pool starting address and pool size do not match the IP subnet mask, the configuration can be saved even though it is invalid. This only occurs in the GUI Wizard setup, not in the SMT nor in the GUI Advanced setup.

