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4655 Great America Parkway  
Santa Clara, CA 95054

# Release Notes for Nortel Switched Firewall 6000 Series, Release 4.1.4



**NORTEL**

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## Introduction

These Release Notes provide an overview of changes to the Nortel Switched Firewall 6000 Series (NSF), Release 4.1.4.

For the latest information about Release 4.1.4, including known issues, limitations, and installation instructions, consult the *Nortel Switched Firewall 6000 Series Release 4.1.4 ReadMe* file at [www.nortel.com/support](http://www.nortel.com/support).

For a list of reference documentation in the Nortel Switched Firewall suite, consult [Related publications](#).

## Software support for Release 4.1.4

Nortel Switched Firewall 6000 Series, Release 4.1.4, supports Check Point™ FireWall-1® NGX with the software listed in [Table 1](#).

**Table 1** Check Point version and corresponding Nortel Switched Firewall 6000 Series software images

Version	Build Version	Software Images
R60 NGX	VPN-1 and Firewall-1 NGX HFA_05, Hotfix 605 - Build 020	NSF_Director_4.1.4.0_R60.iso
R61 NGX	VPN-1 and Firewall-1 NGX HFA_01, Hotfix 601 - Build 012	NSF_Director_4.1.4.0_R61.iso
R62 NGX	VPN-1 and Firewall-1 NGX Build 120	NSF_Director_4.1.4.0_R62.iso
R65 NGX	VPN-1 and Firewall-1 NGX Build 427	NSF_Director_4.1.4.0_R65.iso

## Hardware support for Release 4.1.4

[Table 2](#) lists the supported hardware platforms for Nortel Switched Firewall 6000 Series, Release 4.1.4.

**Table 2** Supported hardware

NSF platform	Firewall Accelerator models	Firewall Director models
6414	6400	5014*
6614	6600	5014*
6424	6400	5024*
6624	6600	5024*
6416	6400	5016
6616	6600	5016
6426	6400	5026
6626	6600	5026

\* - These models are manufacture discontinued effective from 15th June, 2005. 4.1.4 will be the last software release for these platforms. Fore more information about the software & hardware lifecycle update, refer to Nortel Switched Firewall Lifecycle Update document.

[Table 3](#) outlines the director models that contain the 160 GB HDD. If the serial number printed on your hardware is greater than or equal to the serial number in the following table then it has the new 160 GB HDD. To use the increased HDD capacity, you may need to re-image the device with the Release 4.1.4 ISO image.

**Table 3** NSF Director models with 160 GB HDD

Hardware model	New serial numbers
NSF 5016	SNNGM70335
NSF 5026	SNNGM80078



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## New features in Release 4.1.4

Release 4.1.4 includes these new features:

- SecurID
- Checkpoint R65
- Installing Checkpoint HFA on NSF using CLI
- TCP sequence verification using CLI

The following sections describe the new features in Release 4.1.4.

### SecurID

Release 4.1.4 includes SecurID to support RSA SecurID authentication for NSF firewall login.

When users attempt to log in to the NSF CLI using the SSH, the following occurs:

- the system prompts for the name username
- after username entry, a pass code (instead of a password) must be entered
- an ACE Agent, running on the NSF, sends the login credentials to an ACE Server
- after the successful authentication from the ACE server, the user is logged in

For more information about SecurID authentication and configuration, refer to *Nortel Switched Firewalls - SecurID Configuration Guide*.

### Checkpoint R65

Release 4.1.4 supports Check Point NGX R65. NGX R65 expands its intelligent inspection technologies with \*VPN-1 Power and incorporates additional complex application support into state of the art stateful-inspection and application intelligence technology.

The supported Check Point R65 version is \*Check Point VPN-1™ & FireWall-1® NGX (R65) – Build 427.

## Installing Checkpoint HFA on NSF using CLI

A new CLI command, /boot/software/hfainstall, is added in Release 4.1.4. This command provides an easy method for users to install Check Point HFAs on NSF from the admin CLI.

Executing this command from any SFD automatically installs the HFA on all cluster members.

## TCP sequence verification using CLI

A new CLI command, maint/diag/tcpseq, is available to enable and disable TCP Sequence verification.

Executing the tcpseq command from any SFD automatically enables or disables the TCP Sequence verification on all cluster members. After you execute the tcpseq command, the system reboots automatically.



**Note:** When you enable or disable TCP sequence verification from the CLI you must execute a corresponding enable or disable of Check Point sequence verification settings in the SmartDefense settings.

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For more information about the new CLI enhancements, refer to the *Nortel Switched Firewall Release Series 6000 4.1.4 ReadMe*.

## Supported Check Point applications

Nortel Switched Firewall 6000 Series 4.1.4 supports the following \*Check Point applications:

- Firewall-1®
- VPN-1®

- SmartDefense™
- NAT
- Authentication
- Content Security
- Management Tools
- SmartView Monitor™
- Policy Server

Configure the following management tools outside the NSF 4.1.4 software:

- SmartDashboard™
- SmartView Tracker™
- SmartView Status™

## Related publications

For more information about the Nortel Switched Firewall 6000 Series, refer to the publications listed in [Table 4](#). For the link to these documents, see [How to get help, Finding the latest updates on the Nortel web site](#).

**Table 4** Nortel Switched Firewall 6000 Series Release 4.1.1 Documentation

Document Type	Document Title	Part Number
User's Guide	<i>Nortel Switched Firewall 4.1.1 User's Guide and Command Reference</i>	217014-B
User's Guide	<i>Nortel Switched Firewall 4.1.1 Browser-Based Interface User's Guide</i>	217015-B
Installation Guide	<i>Nortel Switched Firewall 4.1.1 Hardware Installation Guide</i>	217016-B
Release Notes	<i>Release Notes for Nortel Switched Firewall 4.1.1</i>	217017-C
Release Notes	<i>Release Notes for Nortel Switched Firewall, Release 4.1.2</i>	217017-E
Release Notes	<i>Release Notes for Nortel Switched Firewall, Release 4.1.2.1</i>	217017-F

**Table 4** Nortel Switched Firewall 6000 Series Release 4.1.1 Documentation

<b>Document Type</b>	<b>Document Title</b>	<b>Part Number</b>
Release Notes	<i>Release Notes for Nortel Switched Firewall, Release 4.1.3</i>	217017-G
Release Notes	<i>Release Notes for Nortel Switched Firewall, Release 4.1.3.4</i>	217017-H

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## 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 , click one of the following links:

**Table 5** Links

Link to	Takes you directly to the
<a href="#">Software downloads</a>	Nortel page for software located at <a href="http://www.nortel.com">www.nortel.com</a>
<a href="#">Software downloads</a>	CheckPoint page for software located at <a href="http://www.checkpoint.com">www.checkpoint.com</a>
<a href="#">Technical documentation</a>	Nortel page for documentation located at <a href="http://www.nortel.com">www.nortel.com</a>

### 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](http://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](http://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](http://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.