RELEASE NOTES

Alteon Switched Firewall™
Bridge Mode

Release 3.1.3

**NORTEL
NETWORKS**

Export

This product, software and related technology is subject to U.S. export control and may be subject to export or import regulations in other countries. Purchaser must strictly comply with all such laws and regulations. A license to export or reexport may be required by the U.S. Department of Commerce.

Licensing

This product includes software developed by Check Point Software Technologies (http://www.checkpoint.com). This product also contains software developed by other parties.

For more information, see Appendix D, "Software Licenses," in the *ASF 3.1 Bridging Firewall Installation and User's Guide* (part number 212535-F).

Common Criteria Certified Software

The ASF product has received Common Criteria Certification at assurance level EAL-4. The certified version of ASF software is 2.0.3.0.

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Regulatory Compliance

International regulatory statements of conformity

This is to certify that the Nortel Networks 8000 Series chassis and components installed within the chassis were evaluated to the international regulatory standards for electromagnetic compliance (EMC) and safety and were found to have met the requirements for the following international standards:

- EMC - Electromagnetic Emissions – CISPR 22, Class A

- EMC - Electromagnetic Immunity – CISPR 24

- Electrical Safety – IEC 60950, with CB member national deviations

Further, the equipment has been certified as compliant with the national standards as detailed below.

National electromagnetic compliance (EMC) statements of compliance

FCC statement (USA only)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy. If it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to take whatever measures may be necessary to correct the interference at their own expense.

ICES statement (Canada only)

Canadian Department of Communications Radio Interference Regulations

This digital apparatus does not exceed the Class A limits for radio-noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Règlement sur le brouillage radioélectrique du ministère des Communications

Cet appareil numérique respecte les limites de bruits radioélectriques visant les appareils numériques de classe A prescrites dans le Règlement sur le brouillage radioélectrique du ministère des Communications du Canada.

CE marking statement (Europe only)

EN 55 022 statements

This is to certify that the Nortel Networks equipment are shielded against the generation of radio interference in accordance with the application of Council Directive 89/336/EEC. Conformity is declared by the application of EN 55 022 Class A (CISPR 22).

Warning: This is a Class A product. In a domestic environment, this product may cause radio interference, in which case, the user may be required to take appropriate measures.

Achtung: Dieses ist ein Gerät der Funkstörgrenzwertklasse A. In Wohnbereichen können bei Betrieb dieses Gerätes Rundfunkstörungen auftreten, in welchen Fällen der Benutzer für entsprechende Gegenmaßnahmen verantwortlich ist.

Attention: Ceci est un produit de Classe A. Dans un environnement domestique, ce produit risque de créer des interférences radioélectriques, il appartiendra alors à l'utilisateur de prendre les mesures spécifiques appropriées.

EN 55 024 statement

This is to certify that the Nortel Networks equipment is shielded against the susceptibility to radio interference in accordance with the application of Council Directive 89/336/EEC. Conformity is declared by the application of EN 55 024 (CISPR 24).

EC Declaration of Conformity

This product conforms to the provisions of the R&TTE Directive 1999/5/EC.

VCCI statement (Japan/Nippon only)

This is a Class A product based on the standard of the Voluntary Control Council for Interference (VCCI) for information technology equipment. If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

> この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準
> に基づくクラスＡ情報技術装置です。この装置を家庭環境で使用すると電波
> 妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ず
> るよう要求されることがあります。

BSMI statement (Taiwan only)

This is a Class A product based on the standard of the Bureau of Standards, Metrology and Inspection (BSMI) CNS 13438, Class A.

警告使用者：
這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻
干擾，在這種情況下，使用者會被要求採取某些適當的對策。

MIC notice (Republic of Korea only)

This device has been approved for use in Business applications only per the Class A requirements of the Republic of Korea Ministry of Information and Communications (MIC). This device may not be sold for use in a non-business application. Reference Regulatory label on the base of the equipment for specific Korean approval information.

National Safety Statements of Compliance

CE marking statement (Europe only)

EN 60 950 statement

This is to certify that the Nortel Networks equipment are in compliance with the requirements of EN 60 950 in accordance with the Low Voltage Directive. Additional national differences for all European Union countries have been evaluated for compliance. Some components installed within the 8000 Series chassis may use a nickel-metal hydride (NiMH) and/or lithium-ion battery. The NiMH and lithium-ion batteries are long-life batteries, and it is very possible that you will never need to replace them. However, should you need to replace them, refer to the individual component manual for directions on replacement and disposal of the battery.

Lithium Battery Cautions

Caution—This product contains a lithium battery. Batteries are not customer replaceable parts. They may explode if mishandled. Do not dispose of the battery in fire. Do not disassemble or recharge.

(Norge) ADVARSEL—Litiumbatteri - Eksplosjonsfare. Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten. Brukt batteri returneres apparatleverandøren.

(Sverige) VARNING—Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

(Danmark) ADVARSEL! Litiumbatteri - Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

(Suomi) VAROITUS—Paristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

Safety Information

Caution—Nortel Networks products are designed to work with single-phase power systems having a grounded neutral conductor. To reduce the risk of electric shock, do not plug Nortel Networks products into any other type of power system. Contact your facilities manager or a qualified electrician if you are not sure what type of power is supplied to your building.

Caution—Not all power cords have the same ratings. Household extension cords do not have overload protection and are not meant for use with computer systems. Do not use household extension cords with your Nortel Networks product.

Caution—Your Nortel Networks product is shipped with a grounding type (three-wire) power cord. To reduce the risk of electric shock, always plug the cord into a grounded power outlet.

NOM statement (Mexico only)

The following information is provided on the devices described in this document in compliance with the safety requirements of the Norma Oficial Méxicana (NOM):

Exporter:Nortel Networks, Inc.
4655 Great America Parkway
Santa Clara CA 95054 USA

Importer:Nortel Networks de México, S.A. de C.V.
Avenida Insurgentes Sur #1605
Piso 30, Oficina
Col. San Jose Insurgentes
Deleg-Benito Juarez
México D.F. 03900

Tel:52 5 480 2100

Fax: 52 5 480 2199

Input:100 to 240 VAC, 50 to 60 Hz, 9 A max. per power supply
single supply, or + one redundant supply configurations

Información NOM (unicamente para México)

La información siguiente se proporciona en el dispositivo o en los dispositivos descritos en este documento, en cumplimiento con los requisitos de la Norma Oficial Méxicana (NOM):

Exportador: Nortel Networks, Inc.
4655 Great America Parkway
Santa Clara, CA 95054 USA

Importador: Nortel Networks de México, S.A. de C.V.
Avenida Insurgentes Sur #1605
Piso 30, Oficina
Col. San Jose Insurgentes
Deleg-Benito Juarez
México D.F. 03900

Tel: 52 5 480 2100

Fax:52 5 480 2199

Embarcar a:100 to 240 V CA, 50 to 60 Hz, 9 A max. por fuente de poder
una fuente o una + configuraciones de una fuente redundante

Release Notes

These release notes provide the latest information regarding your Alteon Switched Firewall (ASF) release 3.1.3. ASF 3.1.3 is a bridging or layer 2 firewall. This firewall is also called a transparent or stealth firewall because it is effectively invisible on the network.

Documentation

These Release Notes supplement the following documents:

■ *ASF 3.1 Bridging Firewall Installation and User's Guide* (part number 212535-F)

■ *ASF 3.1.2 Release Notes* (part number 216202-A)

Refer to the above documents for additional technical questions regarding the product architecture and features. The documents are available on the Nortel Networks Technical Support Web site. To find them, follow the instructions under "Late-Breaking News" on page 8 and select Documentation in Step 3.

The User's Guide and Release Notes are PDF files that can be read and printed using the free Acrobat Reader software available from Adobe Systems Incorporated (http://www.adobe.com). To obtain a manual in hardcopy format, contact your Nortel Networks sales representative and order the part number.

Late-Breaking News

Before you put your system into commission, please check the Nortel Networks Technical Support Web site for the latest software and documentation on the Alteon Switched Firewall. Be sure to review the readme.txt file collocated with the software, which has the list of open Change Requests (CRs) and closed CRs for this release. To access the Web site:

■ Point your browser to: http://www.nortelnetworks.com/cs. The Technical Support page will open.

■ Select the following:
   □ Product Family (Alteon Switched Firewall System)
   □ Product (ASF Accelerated Firewall)
   □ Content (Software)

■ Click on "Go". The product Software page will open with a list of software titles sorted by date.

■ Click on a title and enter the registered user name and password previously assigned to you by Nortel Networks Customer Support. The Software Detail Information page will open.

   If you are not a registered user, please click on the **Register** link on the left-hand column of the Nortel Networks Customer Support Web site, and complete the registration process.

■ Follow the instructions on the Software Detail Information page to obtain the software you are looking for on the Check Point Web site.

NOTE – The Nortel Networks Technical Support Web site also provides access to Nortel Networks customer support for accounts under warranty or accounts that are covered by a maintenance contract.

Software Support

ASF 3.1.3 Bridging Firewall is supported on the following Check Point™ software:

- Check Point FireWall-1® NG with Application Intelligence (R54) and Hotfix Accumulator 410 (HFA_410) software

- Check Point Express™

ASF 3.1.3 can be upgraded from ASF 3.1.1.x or 3.1.2.x.

New Filter Action

In addition to the `deny` and `allow` options, a new filter action, `inspect` is added to the ASF 3.1.3 software release. This new filter action forces data packets matching the filter criteria to be inspected by the firewall.

Using the CLI, specify the filter action with the following command,

```
# /cfg/net/adv/filt <filter number>/action inspect
```

Table 1 shows the options for the filter `action` command.

Table 1 Defining Filter Actions (/cfg/net/adv/filt/action)

Command Syntax and Usage

`action allow` | `deny` | `inspect`

Specifies the action this filter takes when traffic matches the specified criteria:

allow	Allows data packets to pass through the firewall with no further inspection.
deny	Discards data packets before it can be inspected by the firewall (default).
inspect	Forces data packets to be inspected by the firewall.

SNMP Traps Support Enhanced

ASF 3.1.3 includes two new SNMP traps for the Firewall Accelerator, link status and VRRP status change (backup/master).

Spoof Tracking

This is an addition to the section on "Check Point Anti-spoofing Support" documented in the ASF 3.1.2 Release Notes. While configuring anti-spoofing support, Step 7 on Page 7 of the ASF 3.1.2 Release Notes prompts you to define Topology for the cluster Director, but this does not allow you to log spoof attempts. However, if you define Topology on each Firewall Director, you can enable log and track spoof attempts.

From the Check Point main menu (SmartDashboard), open the Topology tab in the Interface Properties dialog box and enable log for Spoof Tracking as shown in Figure 1 for each Firewall Director.
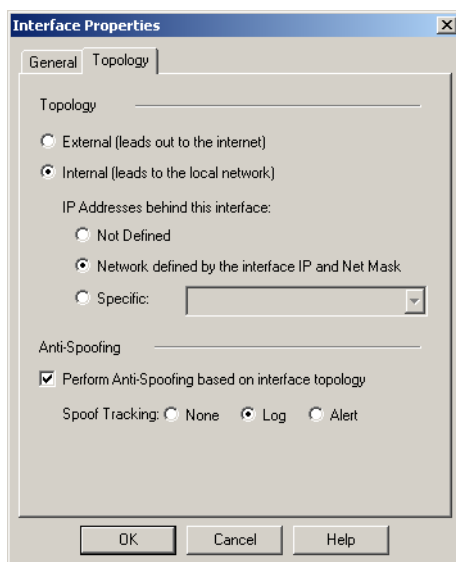
Figure 1 Enable Log for Anti-spoofing

ASF Combinations

Typically, Firewall capacity refers to higher throughput, concurrent sessions, and sessions per second. Higher throughput and concurrent sessions are determined by the Firewall Accelerator model and sessions per second are determined by the Firewall Director model.

Use compatible ASF 3.1.3 Bridging Firewall components as shown in Table 2 to achieve the desired performance.

Table 2 Supported Combinations for ASF 3.1.3

ASF	Firewall Accelerator Models	Firewall Director Models
5714	5700	5014
5710	5700	5010
5614	5600	5014
5610	5600	5010

ASF 5714 and 5614 are the only combinations that are available as product bundles on the price list.