



Secure Router 1002/1004

Software Release 8.4.4

1. Release Summary

Release Date: 25-Jul-2006

Purpose: Software maintenance release to address customer found software issues and minor enhancements.

2. Important Notes before Upgrading to This Release

None.

3. Platforms Supported

Nortel Secure Router 1002 models
Nortel Secure Router 1004 models

4. Notes for Upgrade

Please see the technical documentation for the Secure Router 1002/1004 version 8.4.2 available at: <http://www.nortel.com/support> (select Categories and then Routers & Routing Switches) for details on how to upgrade your Secure Router 1002/1004 units.

File Names for This Release

Description	Date	File Size	Version	File Name
Application image	July 25,2006	7,578,418	'r8.4.4'	T1000.Z

5. Version of Previous Release

Software Version **8.4.2**

6. Compatibility

N/A

7. Changes in This Release

Disabling the IPSEC Anti-replay service

The ability to disable the anti-replay service is useful when using Diff-serv marking on a ipsec tunnel where you want to support voice traffic at a higher priority than data traffic. As the voice call level (high priority) increases then the data traffic is delayed sufficiently where the anti-replay service starts affecting the amount of (lower priority) data traffic that is delivered properly. By disabling the anti-replay service more data traffic can get through.

There is a new configuration command under crypto command tree which can enable/disable the anti-replay service. By default the anti-replay service is enabled. Also a new show crypto configuration command was added. Below is an example of toggling the service on and off.

```
R1/configure > crypto
R1/configure/crypto > antireplay-service
R1/configure/crypto > show crypto configuration
```

```
Crypto Configuration
-----
Anti-Replay Service: ON
```

```
R1/configure/crypto > no antireplay-service
R1/configure/crypto > show crypto configuration
```

```
Crypto Configuration
-----
Anti-Replay Service: OFF
```

IP Phone Support for Full mode with DHCP Server

The dhcp server has been changed to understand Nortel specific dhcp options used to configure Nortel IP Phones in Full mode. The ip phones when configured for full mode will make a dhcp discover broadcast on the network that they are attached to. The secure router will match it to the corresponding dhcp pool and return all the dhcp options configured for that dhcp pool. All the Nortel specific dhcp options are defined under the ip dhcps pool subtree.

The cli commands are the following

```
configure
|-- ip
|   |-- dhcps
|       |-- pool
|           |-- altvlan
|           |-- call server
|           |-- wireless
```

Configuration Commands

Name	Description
altvlan	NAME altvlan – Alternate vlan id for IP Phones

Name	Description
	<p>SYNTAX</p> <p>R1/configure/ip/dhcps/pool x # altvlan vlanid <cr></p> <p>DESCRIPTION.</p> <p> vlanid -- vlan id (enter a integer 0 - 65535)</p> <p>NOTES</p> <p>This command configures dhcp option 191 which configures the alternate vlan id that the IP phone is to use. This command will configure a dummy dhcp option 128 so that the IP phones accept this option.</p>
callserver	<p>NAME</p> <p>callserver – Call Server for IP Phones</p> <p>SYNTAX</p> <p>R1/configure/ip/dhcps/pool x # callserver ip1 port port_val appserver ip2 svpsserver ip3 <cr></p> <p>DESCRIPTION</p> <p>ip1 -- ip address of call server port -- parameter to configure the call server port number port_val -- port number that the call server is listening on range 1024 – 65535 (default 4100) appserver -- parameter to configure the XAS application server ip2 -- ip address of the XAS application server svpsserver -- SpectraLink Voice Priority (SVP) server ip3 -- ip address of the SVP server</p> <p>NOTES</p> <p>This command configure dhcp option 128. There can be up to 2 call servers per dhcp pool. The first call server entered is the primary call server. The svpsserver option configures dhcp option 151.</p>
wireless	<p>NAME</p> <p>wireless – Wireless AP Series IP Phones</p> <p>SYNTAX</p> <p>R1/configure/ip/dhcps/pool x # wireless ip1 <cr></p> <p>DESCRIPTION</p> <p>ip1 -- ip address wireless server</p>

Name	Description
	<p>NOTES</p> <p>This command can not be present with any of the other IP Phone options. The maximum number of wireless servers is 3. This option configures dhcp option 43.</p>

Old Features Removed From This Release

None.

Problems Resolved in the 8.4.4 Release

CQ#	Subsystem	Severity	Priority	Description
11072	BGP	Crash	P2	Crash when executing show ip bgp table
13540	CLI	Broken Feature	P3	Did not execute the command after receiving the CR from the console
13624	MLPPP	Broken Feature	P3	MLPPP failed to negotiate with the other side if it rejected an MRU of 1500.
-----	SNMP	Broken Feature	P3	SNMPv2c (get bulk) doesn't work

Additional Notes:

Workaround for Bug 13540: When doing cut and paste buffer from the console to insure that the commands complete fully set the console to not time out. This is done by setting the telnet_timeout to zero.

8. Outstanding Issues

Refer to the Secure Router 1002/1004 version 8.4.2 Release notes

9. Known Limitations

Refer to the Secure Router 1002/1004 version 8.4.2 Release notes

10. Documentation Corrections

None

11. Features added in v8.4.3

Ability to Enable/Disable Firewall ALGs

All the firewall algs are enabled by default when the firewall is configured. It can become necessary to selectively disable ALGs in the firewall when applications fail due to incompatibility with the Firewall ALG. When a configuration is saved on the router if a firewall alg is disabled the disabling of that alg will be saved. The configuration of the algs is under the firewall/global/algs subtree.

The following example show how to disable the SIP ALG in the firewall and how to Display the current enabled firewall ALGs.

```
R1/configure/firewall global/algs > show firewall algs
```

Firewall Algs	Status
aim	Enabled
cuseeme	Enabled
dns	Enabled
ftp	Enabled
gatekeeper	Enabled
h323	Enabled
icq	Enabled
ils	Enabled
irc	Enabled
l2tp	Enabled
msgtcp	Enabled
msgudp	Enabled
msn	Enabled
mszone	Enabled
n2p	Enabled
n2pe	Enabled
nntp	Enabled
pcanywhere	Enabled
pptp	Enabled
rpc	Enabled
rtsp554	Enabled
rtsp7070	Enabled
sip	Enabled
smtp	Enabled
sql	Enabled
tftp	Enabled
web	Enabled

```
R1/configure/firewall global/algs > no ftp
```

```
Firewall FTP Alg disabled
```

```
R1/configure/firewall global/algs > no sip
```

```
Firewall SIP Alg disabled
```

```
R1y/configure/firewall global/algs > show firewall algs
```

Firewall Algs	Status
aim	Enabled
cuseeme	Enabled
dns	Enabled
ftp	Disabled
gatekeeper	Enabled
h323	Enabled
icq	Enabled
ils	Enabled
irc	Enabled
l2tp	Enabled
msgtcp	Enabled
msgudp	Enabled
msn	Enabled

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```
mszone      Enabled
n2p         Enabled
n2pe        Enabled
nntp        Enabled
pcanywhere  Enabled
pftp        Enabled
rpc         Enabled
rtsp554     Enabled
rtsp7070    Enabled
sip         Disabled
smtp        Enabled
sql         Enabled
tftp        Enabled
web         Enabled
```

```
R1/configure/firewall global/algs > sip
Firewall SIP Alg enabled
R1/configure/firewall global/algs > show firewall algs
Firewall Algs  Status
```

```
-----
aim            Enabled
cuseeme        Enabled
dns            Enabled
ftp            Disabled
gatekeeper     Enabled
h323           Enabled
icq            Enabled
ils            Enabled
irc            Enabled
l2tp           Enabled
msgtcp         Enabled
msgudp         Enabled
msn            Enabled
mszone         Enabled
n2p            Enabled
n2pe           Enabled
nntp           Enabled
pcanywhere     Enabled
pftp           Enabled
rpc            Enabled
rtsp554        Enabled
rtsp7070       Enabled
sip            Enabled
smtp           Enabled
sql            Enabled
tftp           Enabled
web            Enabled
```

```
R1/configure/firewall global/algs >
```

12. Problems resolved in the 8.4.3 Release

CQ#	Subsystem	Severity	Priority	Description
13185	DHCP	Broken	P3	Firewall not handling vlan packets

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	SERVER	Feature		originating from the dhcp server
13226	QOS	Broken Feature	P3	Percent QOS recalculation issue between Cisco router
13315	DHCP RELAY	Broken Feature	P3	DHCP Relay does not work over sub interfaces

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