



Nortel VPN Router

Software Release V5_05.220

1. Release Summary

Release Date: July 29, 2005

Purpose: Software Maintenance release to address customer-found software issues.

2. Important Notes Before Upgrading to This Release

None

3. Platforms Supported

Nortel VPN Router (formerly known as Contivity Secure IP Services Gateway) Software Release V05.05.220 supports the following hardware platforms:

600
1010
1050
1100
1600
1700
1740
1750
2600
2700
4500
4600
5000

4. Notes for Upgrade

For details on how to upgrade your Nortel VPN Router (formerly known as Contivity Secure IP Services Gateway), see the *Contivity Secure IP Services Gateway Release Notes* (part no. 315000-G Rev 01). Release notes are available at <http://www.nortel.com/support>; select Contivity product family, then select VPN Router Portfolio, and then select Documentation and click Go.

5. Version of Previous Release

Software Version 5.05.202

6. Compatibility

In order to take full advantage of this release, the following versions are recommended for the related products. This is only a recommendation; this release is compatible with all supported versions.

Contivity Client	5.01.120
Contivity Tunnel Guard Agent	1.1.3.0
ASA	5.0.1

NOTE: To get the full benefit of Entrust Roaming Profiles and Entrust Link Certificates, Nortel VPN Client Version 5.01.103 and above is required.

7. Changes in This Release

New Features in This Release

This release of the Nortel VPN Router supports the SSL VPN Gateway Version 4.2.1.19 as well as 5.01 and all of its features and enhancements, with the exception of the NetDirect feature.

Old Features Removed From This Release

None

Problems Resolved in This Release

Nortel Networks VPN Router sustaining release Version 5.05.220 resolves the following issues:

- Q00738300 – Extended VRRP packets of size greater than 64 Bytes are not handled correctly and may cause the Nortel VPN Router to stop transmitting VRRP advertisements.
- Q00797639 – The Nortel VPN Router allows an administrative user to login with an otherwise valid username which was entered using the wrong capitalization. The login appears successful, but will cause problems when the user rights and permissions are applied.
- Q01014456 – On Nortel VPN router there was no way to unlock a user's Administrative account after max failed logins have been reached other than to delete and then re-create the user.
- Q01020298 – The Nortel VPN Router may core while possessing SNMPv2 trap messages if the SNMP ALG is enabled.
- Q01040626 – When an external LDAP server becomes unavailable, the Nortel VPN Router may appear to hang while trying to locate this server. The hang is due to large timeout values, and other issues regarding the processing of simultaneous LDAP requests.
- Q01060824 – The Nortel VPN Router may core during the processing of an authentication packet through the Hardware Accelerator module if the authentication packet verification fails and the hardware simultaneously reports a non-fatal memory transfer (DMA) error.
- Q01078802 – The 'Specified DHCP Server' option will did work on the Nortel VPN Router if the DHCP server IP address is not in the same network class as that of the DHCP client.

- Q01080729 – The Nortel VPN Router occasionally incorrectly reports the IfOperStatus for a Branch Office Tunnel as down even when the tunnel association is still valid.
- Q01098880 – The Quad T1 module may cease processing received packets when all four ports are utilizing the full bandwidth simultaneously.
- Q01102176 – An ADSL module might fail to recover after a loss of the physical link.
- Q01106009 – The Nortel VPN Router no longer reports the status of branch office tunnel when the IP Tunnel MIB is polled using the TunnelConfigID parameter.
- Q01107861 – The Quad T1 module may cease processing received packets on all four ports due to a lost hardware interrupt.
- Q01111555 – An FTP connection initiated to the Nortel VPN Router while it is initializing may cause a core and system restart. The FTP connection will appear to hang as the box is not initialized. If it is then canceled and a new connection initiated a core may result.
- Q01113703 – The Nortel VPN Router may core while initiating an ABOT tunnel. This may occur if the tunnel session information is accessed before the tunnel is completely established. This may be the result of a configuration change or query, or statistics query from the GUI interface.
- Q01118755 – The Nortel VPN Router may core after the TunnelGuard rule set is modified and one of the rules contains an empty string.
- Q01122892 – A Nortel VPN Router with Certificate authentication may experience a memory leak while tunnels are being established and terminated. This leak was recently introduced with the added support for multiple Certificate payloads in a single authentication packet.
- Q01123312 – The Nortel VPN Router may core after enabling BIS when the Primary BOT tunnel is up, the Remote Networks are configured as 0.0.0.0/0.0.0.0 and Ping trigger is set.
- Q01124087 – The Nortel VPN Router may core due an error in the processing of ICMP flows. The Firewall may attempt to process ICMP packets from a session that has already been terminated.
- Q01126660 – The Quad T1 port on a Nortel VPN Router ceases to process received packets once a request for a system buffer fails to allocate one.
- Q01126851 – The Nortel VPN Router may erroneously log an authentication failure when setting up dynamic route using OSPF with MD5 Authentication.
- Q01133600 – The Nortel VPN Router command to clear the NAT Flow Cache does not work properly for static Branch Office Tunnels.
- Q01138272 – Frame Relay performance on the Nortel VPN Router with Traffic Shaping configured will have wildly oscillating transfer rates, with peak rates well in excess of the configured CIR.
- Q01148960 – The Nortel VPN router has a moderate size memory leak while processing SNMP requests for the information contained in the IP Tunnel mib.
- Q01155081 – The Nortel VPN Router was logging the OSPF neighbor state changes to the event log only. A change has been made to log these events to the system log as well.
- Q01155819 – A Nortel VPN Router configuration with the CRL Distribution Point feature and CRL optimization enabled may experience a slow and constant memory leak during Certificate authentication.
- Q01160057 – Spurious 'voltage out of range' alarms were generated by the Nortel VPN Router 1010, 1050 and 1100.

Q01172417 – A recent security vulnerability fix (CR Q01117695) caused an incompatibility with the Nortel VPN Client and the processing of IKE keepalive messages.

Q01174315 – When CRL retrieval is enabled on the Nortel VPN Router and the external LDAP server which stores the CRL is unavailable a memory leak may occur.

8. Outstanding Issues

None

9. Known Limitations

ICMP packets sent over NAT-enabled ECMP interfaces utilizing the per-packet algorithm is a special case on the Nortel VPN Router. For the per-packet algorithm, the ICMP conversation is changed depending on which interface or tunnel the packets are transmitted. Users may experience intermittent ping failures over NAT-enabled ECMP interfaces. In this scenario, Nortel recommends the use of the source or destination algorithm.

10. Documentation Corrections

For details on how to configure your Nortel VPN Router (formerly known as the Contivity Secure IP Services Gateway) for the new features in SSL VPN 5.0.1, see the *SSL VPN Manager for Contivity Version 5.05.220* (part no. 320957-A). The configuration guide is available at <http://www.nortel.com/support>; select the Contivity product family, then select VPN Router Portfolio, and then select Documentation and click Go.

For other known issues, please refer to the product release notes and technical documentation available from the Nortel Technical Support web site at: <http://www.nortel.com/support>.

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