



GarrettCom™

Magnum Network Software – DX

Software Release Notes

Software Revision 1.4 RC2

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Release 1.4 RC2 Release Notes

The following notes describe significant changes in MNS-DX version 1.4 (since version 1.3.4).

1.1 New Features

Release 1.4 added the following feature to the MNS-DX software:

1.1.1 Stateful IP Firewall

- Stateful filters added to current basic IP firewall filters.
- Tracks connection states on TCP/UDP ports and ICMP type.
- Optionally logs session records.

1.1.2 Quality of Service

- Provides definition of DiffServ class based on flow-based policies.
- Maps DiffServ to IEEE 802.1p priority (routed packets only).
- Four level weighted queues (8-4-2-1 WFQ) on Ethernet and WAN ports.
- Flexible mapping of DiffServ/802.1p to priority queues.

1.1.3 Open Shortest Path First (OSPF) Routing Protocol

- Provides OSPF routing as option in addition to static routes and RIP.
Limitations include:
 - No virtual links
 - Does not import static routes

1.1.4 Secure File Transfer Protocol (SFTP)

Added SFTP support for logs, config files and software images.

1.1.5 Enterprise MIB

Stores information on hardware, software, administration, Ethernet, serial and WAN.

1.1.6 Network Address Translation (NAT) Enhancements

- Added Static NAT rules.
- Added general-purpose NAT rules (not tied to inside/outside interfaces).
- Changed name of existing NAT rule page to "Port Forwarding."

1.1.7 Graphical User Interface (GUI) Enhancements

- New look and feel.
- Added Virtual Front Panel image display.

1.1.8 Command Line Interface (CLI) Enhancements

- Added CLI commands for access to event logs.
- Added SW upgrade CLI commands.

1.1.9 IPsec Virtual Private Network (VPN) Improvements

- More efficient operation when running multiple tunnels.
- Customer accessible IKE tracing via CLI.
- Supports IKE negotiation over any IP interface (vs. only a single public interface).
- VPN details page now displays all active Phase 2 SAs.

1.1.10 RIP Enhancements

- Changed RIPv1 compatibility to "No" by default.
- Added "local IP" parameter for the SNTP, RADIUS, SNMP, and SYSLOG applications.
- Added an options page for IP addressing with "Ignore Link" option.
- Causes interface to always be 'up' as long as an IP address is assigned to the interface, even if there is no active associated port. The system will propagate RIP advertisements out its WAN port for the "Default" subnet.

1.2 Corrected Problems

Deficiencies in earlier software releases have been corrected as described below:

- The serial console now recognizes CRLF as single newline.
- RADIUS now uses the system address as a source address.
- Setting egress Ethernet port rate limiting is now effective.
- Broadcast storms after lowering RSTP bridge priority have been eliminated.
- Ethernet and FR statistics no longer show negative values if statistics exceed 2^{31} .
- Port monitor now displays LMI frames.
- Frame Relay transmits LMI with a correct fourth byte regardless of hardware type.
- Frame Relay monitor shows LMI on DLCI 1023.
- IP masquerading correctly occurs on private IP interfaces.
- IPsec VPN route is updated when route to gateway changes.
- DX40 "Ignore DSS?" parameter is present.
- Default terminal server channels are populated on factory default startup.
- All of MIB-II accessible via SNMPv3 agent.
- A bad or inconsistent configuration file is automatically detected and notification is sent to the user.

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