

Release Note NRSW 4.3.0.113

Project Name: NRSW

Abstract:

This document represents the release note for NetModule Router Software 4.3.0.113. It informs on new functionality, corrections and known issues of this software version of NetModule's router series.

Keywords:

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| | Director Product Development | Benjamin Amsler |

1 Release Information

NetModule Router Software:

Version: **4.3.0.113**
Date: **Aug 09, 2021**

Supported Hardware:

| NetModule Router | Hardware Version |
|-------------------------|-------------------------|
| NB800 | V2.0 - V2.2 |
| NB1600 | V1.0 - V3.3 |
| NB1601 | V1.0 - V1.5 |
| NB1800 | V2.4 - V2.6 |
| NB1810 | V2.4 - V2.6 |
| NB2700 | V1.0 - V2.7 |
| NB2710 | V1.0 - V2.7 |
| NB2800 | V1.0 - V1.4 |
| NB3700 | V2.0 - V4.4 |
| NB3701 | V1.0 - V1.5 |
| NB3710 | V2.0 - V4.3 |
| NB3711 | V1.0 - V1.5 |
| NB3720 | V2.0 - V4.3 |
| NB3800 | V1.0 - V1.5 |

Unsupported Hardware:

NetModule Router
NB1300 Series
NB2200 Series
NB2300 Series
NB2500 Series
NB2600 Series

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2 New Features

| Case-# | Description |
|--------|---|
| 72970 | IPSec improvements It is now possible to disable Source-NAT rules for IPsec. |
| 73203 | GUI improvements The GUI now shows better information on the store password option. Also the manual was improved giving better information on this topic. |

3 Security Fixes

The following security relevant issues have been fixed.

| Case-# | Description |
|------------------------------|--|
| 73204 | Remove session cookie on login and logout Existing session cookies of the web interface are now deleted on login and logout. This reduces the potential risk of HTTP response splitting attacks or compromised web clients. |
| 73822 73872 | Linux kernel security bug-fixes CVE-2021-22555: Privilege escalation in linux kernel allowed unprivileged users with shell access to gain root access or run a DoS attack on the system. CVE-2021-33909: Privilege escalation in linux kernel allowed unprivileged users with shell access to gain root access. |

4 Fixes

The following issues and problems have been fixed.

| Case-# | Description |
|--------------|---|
| 73778 | GUI improvements The check-box for NAT address selection in IPsec configuration was barely visible if not selected. |

5 ECC conversion

The flash on NB1600, NB2700, NB2710, NB3700, NB3710 and NB3720 provides an automated error correction using ECC. With release 4.1.0.100 we changed the ECC length from 1-bit ECC to 4-bit ECC which provides better error correction. On first boot after the update was performed the data on the flash is automatically converted to use the new ECC setup. While this conversion is performed the LEDs show a running light for about 30 seconds.

If you switch back to an older software release like 4.0.0 the migration is reverted.

We tested updates and down-grades to and from 4.0.0 and 3.8.0. Updates to or from older versions are not supported.

If you run an older release or want to downgrade to an older release or a feature release like 3.8.2 you are advised to migrate via 4.0.0 as an intermediate release.

To revert the migration on downgrade the SPL boot loader release 4.1.0 stays in place. It can be downgraded in a second software update process initiated from the target release after the first reboot.

Software updates with recovery images require special attention. You must not use recovery images 4.0.0 and older for systems running 4.1.0 and newer.

If you want to use recovery images please contact our support at router@support.netmodule.com.

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7 Change History

| Version | Date | Name | Reason |
|---------|--------------|------------------|--------------------|
| 1.0 | Aug 09, 2021 | Moritz Rosenthal | Final release note |

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