

Release Note NRSW 4.4.0.118

Project Name: NRSW

Abstract:

This document represents the release note for NetModule Router Software 4.4.0.118. It informs on new functionality, corrections and known issues of this software version of NetModule's router series.

Keywords:

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Approval	Role	Name
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1 Release Information

NetModule Router Software:

Version: **4.4.0.118**
Date: **Jun 16, 2023**

Supported Hardware:

NetModule Router	Hardware Version
NB800	V2.0 - V2.2, V3.2 (Rev. B02)
NB1600	V1.0 - V3.3
NB1601	V1.0 - V1.6
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
NB2810	V1.2
NB3700	V2.0 - V4.4
NB3701	V1.0 - V1.10
NB3710	V2.0 - V4.3
NB3711	V1.0 - V1.5
NB3720	V2.0 - V4.3
NB3800	V1.0 - V1.10

Unsupported Hardware:

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

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2 Security Fixes

The following security relevant issues have been fixed.

Case-#	Description
81530	CVE-2023-0861 and CVE 2023-0862 An authenticated admin user was able to inject an arbitrary command via web-interface. An authenticated admin user was able to upload/remove an arbitrary file via web-interface. An authenticated admin user would have had these abilities anyways. Both issues have been fixed to prevent use within a potential exploit chain.
81752	CVE-2022-37434: heap-based buffer over-read or buffer overflow in zlib Zlib has a heap-based buffer over-read or buffer overflow in inflate in inflate.c via a large gzip header extra field.

3 Fixes

The following issues and problems have been fixed.

Case-#	Description
75379	IPsec fixes Local IP settings could be set to 0.0.0.0 by setting a local ID in the IKE Proposal tab.

4 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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6 Change History

Version	Date	Name	Reason
1.1	Jun 16, 2023	Felix Kopf	Added CVE notations on case 81530
1.0	Nov 25, 2022	Felix Kopf	Release note

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