Release Note NRSW 4.6.0.101

Project Name: NRSW

Abstract:

This document represents the release note for NetModule Router Software 4.6.0.101. It informs on new functionality, corrections and known issues of this software version of NetModule's router series.

Keywords:

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Creation:

Role	Name
Author	Moritz Rosenthal
Review	Benjamin Amsler

Approval

Role	Name
Director Product Development	Benjamin Amsler

1 Release Information

NetModule Router Software:

Version:	**4.6.0.101**
Date:	**Jan 18, 2022**

Supported Hardware:

NetModule Router	Hardware Version
NB800	V2.0 - V2.2, V3.2 (Rev. B02)
NG800	V3.0 - V3.1
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 - V1.5
NB3710 (*)	V2.0 - V4.3
NB3711 (*)	V1.0 - V1.5
NB3720 (*)	V2.0 - V4.3
NB3800	V1.0 - V1.5

(*) Please note that release 4.6 will be the last LTS version of NRSW for this routers. If you still use this hardware please get in touch with our sales team. Release 4.6 will be supported until end of 2024.

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
77347	**Authenticated Remote Code Execution and Privilege Escalation in PHP-CLI** A user with access to PHP-CLI could inject shell code which was executed with administrative rights. The validation and escaping of command arguments was improved to prevent such an attack. Also Administrative users were able to inject shell code. But given that they could control the device via PHP-CLI anyway this is not a security issue but considered undesired behavior. This was fixed as well. PHP-CLI is disabled by default as well as the access to PHP-CLI for non-administrative users. If you did not enable them you are not affected.

3 Fixes

The following issues and problems have been fixed.

Case-#	Description
75219	**Single WWAN network configuration failed on Toby-L2** It could happen that 2G- 3G- or 4G-only configurations did not connect to the network even though the network was available. This was fixed.
75611	**USB3 detection unreliable at NB1800 and NB3800** It could happen that internal USB3 devices were not detected correctly and were connected via USB2 instead. This was fixed.
75717	**Low throughput on internal USB ports** Some LTE modules did not show optimum performance on NB800, NB1601 and NG800 as USB2 on some internal USB ports was not configured correctly. The configuration was fixed.
75922 **77069**	**IPv6 support for additional WWAN modules** The Sierra Wireless MC4755 now supports IPv6. The configuration GUI showed IPv6 and dual-stack option for all WWAN modules. Nevertheless, some modules do not (yet) support IPv6 WWAN connection. Therefore. the GUI was changed to show IPv6 capability only if supported.
77163	**Invalid hardware configuration detected** On very few devices we detected the hardware configuration of NB1800, NB1810, NB3701, NB3711 and NB3800 incorrectly. The result was that the boot process got stuck in the bootloader on the next restart after installing 4.6.0.100. This was fixed.

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5 Change History

Version	Date	Name	Reason
1.1	Jan 18, 2022	Moritz Rosenthal	Correct list of affected devices on Case 77163
1.0	Jan 05, 2022	Moritz Rosenthal	Final RN

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