Release Note NRSW 4.0.0.106

Project Name: HOTSPOT

Abstract:

This document represents the release note for NetModule Router Software 4.0.0.106. It informs on new functionality, corrections and known issues of the current software version of NetModule's router series.

Keywords:

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1 Release Information

NetModule Router Software:

Version:	**4.0.0.106**
Date:	**May 04, 2017**

HOTSPOT Extensions:

Version:	**1.8**
Date:	**November 03, 2017**

Supported Hardware:

NetModule Router	Hardware Version
NB1600	V1.0 - V3.3
NB2700	V1.0 - V2.7
NB2710	V1.0 - V2.7
NB2800	V1.0 - V1.4
NB3700	V2.0 - V4.3
NB3701	V1.0 - V1.3
NB3710	V2.0 - V4.3
NB3711	V1.0 - V1.3
NB3720	V2.0 - V4.3
NB3800	V1.0 - V1.3

Unsupported Hardware:

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

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2 New Features

Case-#	Description
44776	**Power Down on Deactivated USB Ports** Deactivated USB ports will be now without power.
44922	**SDK Debug Levels** It is now possible to set, get and reset the debug level of system daemons.
45025	**Updating Backup Configuration** The backup configuration, i.e. the configuration stored during a software update, can now be updated by using the CLI with -b switch. The corresponding configuration will be applied when the software update is being finished at next reboot.
48113	**HOTSPOT: integrate session timeout config parameter** It is now possible to configure a session timeout. This parameter specifies the max session time for each hotspot client. Default value 0 means unlimited time.

3 Fixes

The following issues and problems have been fixed.

Case-#	Description
44611 **44678** **44943** **43501** **43728** **44837**	**GUI Fixes** The web manager is now throwing a warning in case of unapplied configuration settings. It appeared that the PFS option got lost when reconfiguring IPsec. It also appeared that the OpenVPN connection status was not displayed properly. The DIO page is now refreshing and properly showing the status of digital input ports. Remember WLAN AP settings on channel scan.
44367	**Reset Reason NB2800/NB3800** The NB2800/NB3800 is now showing a correct reset reason.
44411 **45547**	**Connection Issues Sierra MC7430/MC7455** The Sierra MC7430 faced a connection problem if user credentials (APN, username, password) have changed. We further fixed some modem-related issues for Sierra MC7455.
41681	**No GNSS with Sierra MC7455** The Sierra MC7455 failed to provide a valid GNSS stream. This has been fixed.
45157	**Configuration Update with Volatile Entities** Volatile configuration entities are now applied correctly.
45295	**USB Adapters via Hub** Serial or Ethernet USB adapters were not properly detected if connected via an additional USB hub. This has been fixed.
44665	**SNMP Access to USM User Table** Remote SNMP write access to `usmUser` table is now forbidden.
44027	**Multicast over GRE** It appeared that multicast packets were not forwarded over a GRE tunnel. This has been fixed.
45208	**IPsec Traffic for Alias Address** If IPsec was used with a default gateway, it appeared that local traffic for an alias address was sent towards the tunnel. This has been fixed.
45310 **45311** **45314**	**Extended Routes / Discard If Down** The "discard if down" option, which shall drop matching packets if the corresponding interface is down, was not applied in some cases. This has been fixed.
44622 **44664** **44931** **41970** **45157**	**SDK Fixes** The `nb_restart` function did not properly check the given service name. The `nb_email_send` function did not properly check the given email address and threw an incorrect return code in some cases. Uploading SSH keys via the `nb_update_sshkeys` function failed sometimes. The `nb_voice` functions did not successfully establish a call. The `nb_config_set` did not properly handle quoted config values. The issues have been fixed.
45528	**OpenVPN Pushed Client Routes** An OpenVPN server did not push any routes of other clients to a client. This has been fixed.
45362	**Firewall Loopback Rules** It appeared that no `INPUT` rule was created if source and destination was set to `LOCAL`. This has been fixed.
44983	**SSH Server Upgrade** We have upgraded the dropbear SSH server to version 2016.74 and removed support for CBC and MD5 fingerprints.

Case-#	Description
44948 **44964** **44965** **44966** **45446**	**Security Fixes** The kernel received fixes for the following CVEs: CVE-2017-6214 CVE-2016-6786 CVE-2017-6001 CVE-2017-5986 CVE-2016-10229 We are not affected by CVE-2017-6074.
46134	**HOTSPOT: DHCP issues after disabled or deleted Hotspot interface** DHCP Server was not started correctly again if a Hotspot interface was deleted or disabled.

4 Known Issues

Items listed here represent minor problems known at release time. These issues will be resolved in a later version.

Case-#	Description
43218	**IPsec Expert Mode** The IPsec expert mode files are not installed automatically after a software update. Tunnels need to be reconfigured using the GUI/CLI.
32507	**No VRRP on Bridged Interfaces** VRRP over bridged interfaces is not implemented.
36992	**No SMS Delivery Reports** SMS delivery reports are currently not possible with Option GTM661/GTM671, Huawei EM820 and Sierra MC7710 modems.
42851	**No RSTP on Bridged TAP Devices** RSTP does not work on bridged TAP devices.

5 Pitfalls

Items listed as pitfalls are potential problems that may arise because of specific environmental conditions. There are currently no fixes planned for these issues.

Case-#	Description

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7 Change History

Version	Date	Name	Reason
1.0	2017-11-03	walther	Final
1.1	2017-05-12	walther	Removed FB45052

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