Meriedweg 11
CH-3172 Niederwangen
Switzerland
info@netmodule.com
http://www.netmodule.com
Tel +41 31 985 25 10
Fax +41 31 985 25 11

Release Note NBSW 3.5.0.109 NB2XXX

Project Name: NetBox Software (NBSW)

Abstract:

This document is the release note for NetBox Software 3.5.0.109. It informs on new functionality, corrections and known issues of the current version of NetBox Software.

Keywords:

NetModule, Product Management, NBSW, Release Note

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Creation:	**Role**	**Name**
	Author	Samuel Hess
	Review	Thomas Siegrist

Approval:	**Role**	**Name**
	Project Leader	Stefan Schlosser

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Release Information

NetBox Software:

Version: **3.5.0.109**

Date: **September 25th, 2015**

Supported Hardware:

NetBox Wireless Router NB2210
NetBox Wireless Router NB2240
NetBox Wireless Router NB2241
NetBox Wireless Router NB2340
NetBox Wireless Router NB2341
NetBox Wireless Router NB2500
NetBox Wireless Router NB2500R
NetBox Wireless Router NB2600
NetBox Wireless Router NB2600R

Unsupported Hardware:

NetBox Wireless Router NB2541
NetBox Wireless Router NB2500 with WLAN option **and** serial number slower than hex00112b001050.
NetBox Wireless Router NB1310

New Functionality

Case-#	Description
39894	**WLAN RADIUS Accounting** It is now possible to perform RADIUS accounting (in Cisco format) for WLAN clients connected to the access-point.

Resolved Issues

Known issues/errors of previous versions that have been fixed in this release:

Case-#	Description

Known Issues

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

Case-#	Description
14367 **13331** **11630** **17911**	**Ping (ICMP) Over OpenVPN Not Instantly Working After Startup** Packets addressed to a VPN peer are not routed or masqueraded correctly if the session has been started before the tunnel is available. This happens due to connection tracking mechanisms in NAT which are applied as long as packets are sent, plus a timeout of 30 seconds. To work around this problem, try to avoid sending ICMP packets to VPN peers before the OpenVPN connection has been established. If packets have been already sent, you would need to restart NetBox or try again after waiting 30 seconds. Applications using TCP are not affected because they will detect the connection loss and reestablish sessions automatically.
17457	**Mails Over VPN Tunnels Are Lost** Event notification messages which have been generated immediately after a NetBox restartand should be sent over a VPN tunnel may be lost because those messages are sent before the VPN tunnel is established.
17877	**Web Server Becomes Slow** After 100 or more page requests the web server may become slow. A normal operation can be achieved by restarting the system.

Pitfalls

Items listed as pitfalls are potential problems that may arise due to the NetBox system design and environment. There are no fixes planned for these issues.

Case-#	Description
11071	**Dial-on-demand Limitation** The first IP request isvery likely to fail because it runs into a timeout before the mobile connection has been established. To solve this problem you may run a ping before actually sending the data as soon as the connection is up. Accordingly,DNS requests may not be answered from the NetBox DNS proxy server until the mobile connection is established. TCP connections which perform a retransmit are not affected.
12344	**Empty User Name Is Replaced By Hostname “netbox”** In case the user name has not been specified (left empty) in a dialout profile for a PPP connection, the user name "netbox" (which is the hostname of the NetBox) will be used to authenticate against the PPP server.
13287	**SMS Messages Are Received With A Delay Or Not At All** In GSM networks which are operating in Network Operation Mode 2 (NOM2) the same paging channel (PCH) is used to monitor circuit-switched and packet-switched services. In consequence, SMS messages cannot be received when a GPRS connection is active. If an SMS message cannot be delivered to NetBox immediately, delivery will likely be delayed because the SMS server will decrease the intervals for delivery retries. Ask your provider for the supportedNetwork Operation Modes. Nearly all Swiss providers support NOM2 networks.
13330	**IPsec Dead-Peer-Detection: Key Lifetimes** Dead-Peer-Detection only works in intervals in case of different IKE lifetimes of two IPsec peers. Dead-Peer-Detection stops working when the shorter lifetime expires and starts working again when the longer lifetime triggers the exchange of new keys. We therefore recommend setting the key lifetimes of NetBox and its peer to the same values.
14290	**Dial-in Is Not Working With 3G (UMTS)** If an UMTS-enabled NetBox is registered toanUMTS network itdoesn’t supportCSD dial-in, but ifNetBox is registered to a GSM/EDGE network CSD dial-in is working. If you want to dial-in to an UMTS-enabled NetBox, set the service type of the called NetBox to GSM only.
16150	**Manual Connection Not FeasibleFor Running A Remote Update** The remote update procedureinvolves multiple restarts. Since a manual connection (in contrast to permanent) is not reestablished after restart, it is not suggested to use this connection type for a remote update
17909	**Mismatch between Local Host Access Control and Port Forwarding** In case of: • Local host access control is set to ‘deny all’ • A port forwarding rule of external port Y to local host port X is active • A port forwarding rule of external port X to LAN host port X is active Access to the local host on port Y is granted by mistake even if local host access control is configured to deny all. Those rules conflict by design and will therefore not be fixed.

Changes:

Version	Date	Name	Reason
1.0	25.09.2014	she	Release

NetModule AG is located at

Meriedweg 11
CH-3172 Niederwangen
Switzerland
info@netmodule.com

Tel +41 31 985 25 10
Fax +41 31 985 25 11

For more information about NetModule AG, visit the NetModule website at: www.netmodule.com