

# Release Note NBSW 3.5.0.108 NB2XXX

---

## Project Name: NetBox Software (NBSW)

### Abstract:

This document is the release note for NetBox Software 3.5.0.108. It informs on new functionality, corrections and known issues of the current version of NetBox Software.

### Keywords:

NetModule, Product Management, NBSW, Release Note

### Document Control:

<b>Document:</b>	<b>Version</b>	1.0
	<b>File</b>	release_note_nbsw_nb2xxx_3.5.0.108.docx
	<b>Status</b>	Valid
<b>Creation:</b>	<b>Role</b>	<b>Name</b>
	Author	Samuel Hess
	Review	Thomas Siegrist
<b>Approval:</b>	<b>Role</b>	<b>Name</b>
	Project Leader	Stefan Schlosser

# Contents

<b>Release Information.....</b>	<b>3</b>
<b>New Functionality .....</b>	<b>4</b>
<b>Resolved Issues.....</b>	<b>5</b>
<b>Known Issues.....</b>	<b>6</b>
<b>Pitfalls .....</b>	<b>7</b>

---

## Release Information

---

### NetBox Software:

Version: **3.5.0.108**

Date: **July 29th, 2014**

### 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
30397	<p><b>Extended Configuration Information</b></p> <p>The CLI and GUI are now displaying more details about the configuration of the system.</p>
31655 31553	<p><b>GPS Daemon Upgrade</b></p> <p>The GPS daemon has been upgraded to version 3.9 which is now able to deliver GNSS information in JSON and NMEA format. All legacy modes are still available and backward-compatible to 2.37 clients, so that the new server will integrate flawlessly in existing environments.</p>

## Resolved Issues

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

Case-#	Description
<b>35046</b>	<b>Password Change Without Authentication</b> Due to a vulnerability in the GUI it was possible to modify the admin password without being authenticated by running a spoofed HTTP POST request. Therefore, users are highly encouraged to upgrade to this version.
<b>30571</b>	<b>Catch URCs</b> It may have happened that URCs coming from the modem have not been caught correctly which resulted in a restart of some applications. This has been fixed.
<b>30771</b>	<b>Lower Signal Strength</b> The minimal required signal strength can be -113 dBm now.
<b>30770</b>	<b>Unintended Restart of Link Group Manager</b> It may have happened that a single modem receive error restarted the Link Group Manager. This has been fixed.
<b>33547</b>	<b>Altered PIN Code</b> In rare cases the configured PIN code was altered if querying the modem failed. This has been resolved.
<b>34390</b>	<b>Invalid Subnet Mask For WLAN Interface</b> The DHCP client was applying a wrong netmask to the WLAN interface which resulted in an invalid interface route . This has been fixed.

## 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
<b>14367</b>	<b>Ping (ICMP) Over OpenVPN Not Instantly Working After Startup</b>
<b>13331</b>	<p>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.</p> <p>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.</p>
<b>11630</b>	
<b>17911</b>	
<b>17457</b>	<b>Mails Over VPN Tunnels Are Lost</b>
	Event notification messages which have been generated immediately after a NetBox restart and should be sent over a VPN tunnel may be lost because those messages are sent before the VPN tunnel is established.
<b>17877</b>	<b>Web Server Becomes Slow</b>
	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	<p><b>Dial-on-demand Limitation</b></p> <p>The first IP request is very likely to fail because it runs into a timeout before the mobile connection has been established.</p> <p>To solve this problem you may run a ping before actually sending the data as soon as the connection is up.</p> <p>Accordingly, DNS requests may not be answered from the NetBox DNS proxy server until the mobile connection is established.</p> <p>TCP connections which perform a retransmit are not affected.</p>
12344	<p><b>Empty User Name Is Replaced By Hostname "netbox"</b></p> <p>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.</p>
13287	<p><b>SMS Messages Are Received With A Delay Or Not At All</b></p> <p>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.</p> <p>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.</p> <p>Ask your provider for the supported Network Operation Modes. Nearly all Swiss providers support NOM2 networks.</p>
13330	<p><b>IPsec Dead-Peer-Detection: Key Lifetimes</b></p> <p>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.</p>
14290	<p><b>Dial-in Is Not Working With 3G (UMTS)</b></p> <p>If an UMTS-enabled NetBox is registered to an UMTS network it doesn't support CSD dial-in, but if NetBox is registered to a GSM/EDGE network CSD dial-in is working.</p> <p>If you want to dial-in to an UMTS-enabled NetBox, set the service type of the called NetBox to GSM only.</p>
16150	<p><b>Manual Connection Not Feasible For Running A Remote Update</b></p> <p>The remote update procedure involves 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.</p>
17909	<p><b>Mismatch between Local Host Access Control and Port Forwarding</b></p> <p>In case of:</p> <ul style="list-style-type: none"> <li>• Local host access control is set to 'deny all'</li> <li>• A port forwarding rule of external port Y to local host port X is active</li> <li>• A port forwarding rule of external port X to LAN host port X is active</li> </ul> <p>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.</p>

**Changes:**

Version	Date	Name	Reason
1.0	29.07.2014	she	Release

**Copyright © 1998 - 2014 NetModule AG; All Rights reserved**

This document contains proprietary information of NetModule AG. No part of the work described herein may be reproduced. Reverse engineering of the hardware or software is prohibited and is protected by patent law.

This material or any portion of it may not be copied in any form or by any means, stored in a retrieval system, adopted or transmitted in any form or by any means (electronic, mechanical, photographic, graphic, optic or otherwise), or translated in any language or computer language without the prior written permission of NetModule AG.

The information in this document is subject to change without notice. NetModule AG makes no representation or warranties with respect to the contents herein and shall not be responsible for any loss or damage caused to the user by the direct or indirect use of this information. This document may contain information about third party products or processes. This third party information is out of influence of NetModule AG therefore NetModule AG shall not be responsible for the correctness or legitimacy of this information. If you find any problems in the documentation, please report them in writing by email to [info@netmodule.com](mailto:info@netmodule.com) at NetModule AG.

While due care has been taken to deliver accurate documentation, NetModule AG does not warrant that this document is error-free.

“NetModule AG” and “NetBox Wireless Router” are trademarks and the NetModule logo is a service mark of NetModuleAG.

All other products or company names mentioned herein are used for identification purposes only, and may be trademarks or registered trademarks of their respective owners.

The following description of software, hardware or process of NetModule AG or other third party provider may be included with your product and will be subject to the software, hardware or other license agreement.

NetModule AG is located at

Meriedweg 11  
 CH-3172 Niederwangen  
 Switzerland

[info@netmodule.com](mailto: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](http://www.netmodule.com)