

Release-Notes for GeNUBox 1.3

In this document information about version 1.3 of the GeNUBox product line can be found. Please read carefully! We strongly recommend installing this upgrade, not only because we provide new features with this release, but have also fixed a series of problems.

Attention!

Prior to an upgrade we strongly recommend performing a backup of your current configuration, even better a complete backup of your GeNUBox Management Server. Detailed instructions for carrying out an upgrade are available in a later section of this document.

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1 Supplied Content

With the new version 1.3 of GeNUBox you receive the following items:

- The release notes (this document)
- An automatic bootable CD
- A printed version of the GeNUBox manual
- A pdf-version of the manual on CD

2 What's new in GeNUBox 1.3

2.1 Versionmanagement for GeNUBox installations

The new version of the Management Server displays the time

- a configuration has been created
- a configuration was installed
- a software-update was installed

for each GeNUBox.

2.2 Software updates with Management Server

The GeNUBox Management Server has now support for updating the software of GeNU-Box systems.

If you're running an older version of GeNUBox it might be nessecary to do a prior "install config" before updating the software.

2.3 Local file management

From now on the Management Server can handle additional files which can be added to a GeNUBox system. Optionally the files can be appended at the head or the tail of already existing files.

2.4 Accounts without login password

It's possible to create user accounts that don't work with an interactive password login. They can only be accessed through ssh keys.

This applies for the default system user account *root* which gets created during the installation

2.5 SSH Server without password login

The possibility to login with a password can now be completely disabled for SSH Servers.

2.6 DHCP Server

The DHCP Server which is running on the Management Server can now be restricted to the group of MAC addresses itself is responsible for. If you're doing an Upgrade it is nessecary to add the following line to the top of '/etc/dhcpd.conf' to activate the new feature:

```
deny unknown-clients;
```

2.7 User-Management

The Upgrade introduces a new menu "User" to the Management Server. With this menu you can manage additional user accounts for each GeNUBox.

3 Internals and Bugfixes

3.1 New directory hierarchy

The directory layout of the Management Server has been changed as follows:

```
/var/data/ -> /var/genubox/  
/home/GeNUBOX/ -> /usr/local/genubox/  
/home/GeNUBOX/config/ -> /var/genubox/configs/
```

The upgrade script moves /var/data to /var/genubox and creates a symbolic link at the old path. The directory /home/GeNUBOX remains untouched, though it's not used anymore. Please note, that tools like 'gadmin' have been moved to /usr/local/genubox/bin. You might wanna change your '\$PATH' variable accordingly.

Note for Servers with customisations

If you have some special customisations running at your Management Server you may need to adapt them to the changed directory layout:

```
mkdir -p /usr/local/genubox/ext/gui
```

```
cp /home/GeNUBOX/gbadm/gui/local/* /usr/local/genubox/ext/gui/
```

3.2 New filesystem layout

The Management Server installation now creates a better seperated filesystem layout. The minimal disk size required is **2.5 GB**. If you're doing an Upgrade the filesystem layout stays untouched.

3.3 Improved filter rules for IPSec VPNs

The new filter rules that are used for IPSec VPNs remedies a rare problem, where unencrypted packets could slip to the network for a short period.

3.4 Delete GeNUBox

The menu item **delete System** has been revised and is working as expected from now on.

3.5 Copy GeNUBox

The menu item **copy System** now creates a complete copy of a GeNUBox configuration.

3.6 Unique behaviour of local file management

Previous versions of the Management Server didn't handle additional files in a unique way. Some files got replaced, others got concatenated. The new default action is to replace existing files. If you already used some local files please change the default actions accordingly.

3.7 New backuptool

The backuptool `pg_dump` got replaced by a new tool. This was nessecary to include the files of newly added features into the backup. If you want to do a manual backup please use from now on: `/usr/local/genubox/gbadm/tools/gbdb_dump -f backupfile`

4 Installation of upgrade

To Update your GeNUBox Management Server please do the following:

- Log in to the Management Server as user **root**.
- Put the Upgrade-CD into your CD drive and mount it:

```
mount -t cd9660 /dev/cd0c /mnt
```

- Change to the directory `/mnt` and start the upgrade:

```
cd /mnt; sh upgrade.sh
```

Please ignore the extensive output during the Upgrade. The relevant line which shows you that the Upgrade is completed is:

```
** please reboot for completing kernel-update **
```

- After finishing the Upgrade eject the CD and reboot the Server:

```
cd /; umount /mnt
```

```
<Take out the CD>
```

```
reboot
```

5 Contact information

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