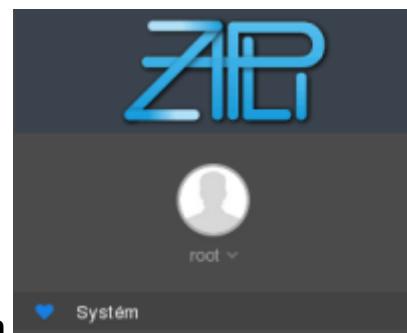


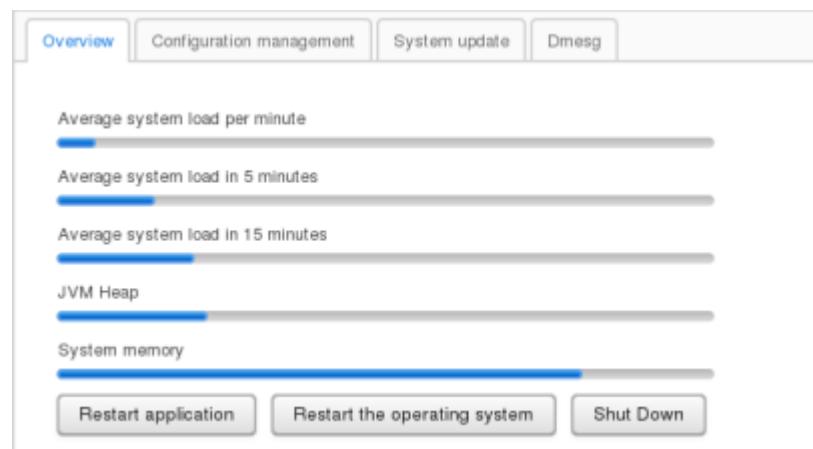
Basic settings



Converters basic settings are located in menu **System**

Overview

Displays current state of system:



- Average system load in last minute
- Average system load in last 5 minutes
- Average system load in last 15 minutes
- JVM Heap - used memory by application
- System memory - total used memory

Basic commands:

- Application restart
- OS restart
- Shutdown converter

Configuration of network adapter

Consists of two parts:

The screenshot shows a software interface for managing network adapter settings. At the top, there are tabs for Overview, Network adapter settings (which is selected), Configuration management, Time synchronization, OpenVpn, System update, and On. Under Network adapter settings, there are sections for IP address / mask (containing '192.168.2.12/24') and Gateway (containing '192.168.2.1'). Below these are sections for List of DNS servers and IP address. On the right side, there are three small circular icons with a minus sign. At the bottom, there is a 'Text version' section containing the following configuration text:

```
Interface=eth0
Connection=etherne
#IP=dhcp
IP=static
Address='192.168.2.12/24'
Gateway='192.168.2.1'
```

- Basic settings
- Advanced settings - direct modification of configuration file



Warning! Wrong network settings can cause converter to be inaccessible. Always check your changes before saving!

Basic Settings

Allows user to define one or more IP addresses on which will be converter available.

Default Gateway.

List of DNS servers.

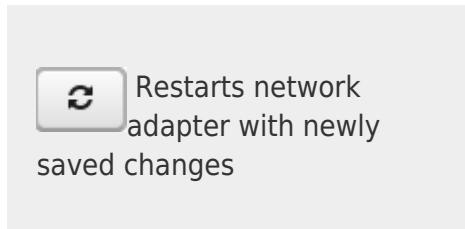
IP address in standard IPv4 format with prefix (xxx.xxx.xxx.xxx/nnn).

for example.: address 192.168.0.202 with netmask 255.255.255.0 will be written as

192.168.0.202/24

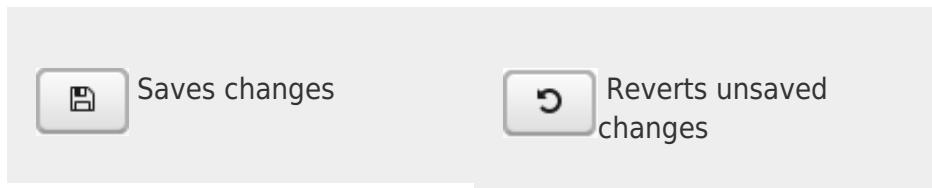
The screenshot shows a toolbar with several buttons:

- A button with a plus sign (+) labeled "Creates new record".
- A button with a minus sign (-) labeled "Deletes selected record".
- A button with a save icon (floppy disk) labeled "Saves changes".
- A button with a circular arrow icon labeled "Reverts unsaved changes".



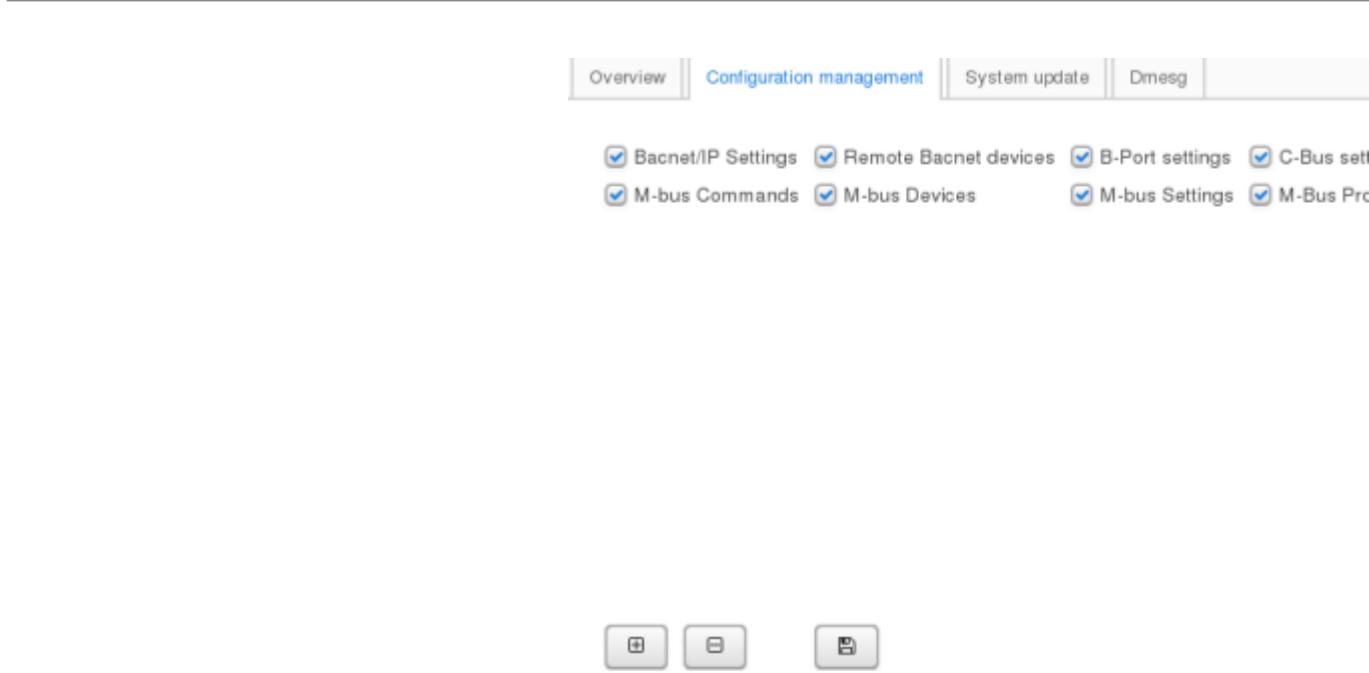
Advanced settings

Gives user total control of network settings. This option is designed for advanced linux users. Configuration file description is available [here](#).



Configuration management

Provides backup and restore functions for driver configuration files.



Backup configuration

Backup manager is located in top part of the screen. Here are shown available configurations for export.

Selected configurations will be included in exported file.

The screenshot shows a user interface for managing configurations. At the top, there are two buttons: "Select all" with a plus sign icon and "Deselect" with a minus sign icon. Below these are two large buttons: "Generate backup file" with a floppy disk icon and "Upload" with a cloud icon. To the right of the "Generate backup file" button is a list of configuration items with checkboxes:

- C-Bus settings (checked)
- M-Bus Profiles (checked)
- M-bus Devices (checked)
- Remote Bacnet devices (checked)
- B-Port settings (checked)
- M-bus Settings (checked)
- Bacnet/IP Settings (checked)
- M-bus Commands (checked)

Restore configuration

Restore manager is located in bottom part of the screen.

Here will be shown configurations contained in backup file after its successful upload to server. Then it is possible to select or deselect required configurations to restore.



Application restart is required after restore.

The screenshot shows a user interface for restoring configurations. It features two main buttons: "Upload" with a blue border and "Restores selected configurations". Below the "Upload" button is the text "Uploads selected backup file".

Time synchronization

Converter contains own backup time clock. If you require exact time, you are required to use NTP client.

! Ak chcete použiť pripojenie cez OpenVpn je potrebné túto časť nakonfigurovať

Overview Network adapter settings Configuration management Time synchronization

NTP clusters:

IP address / hostname

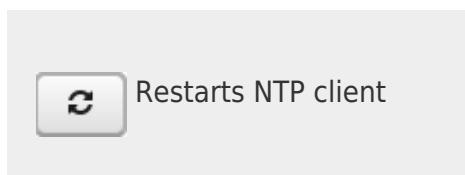
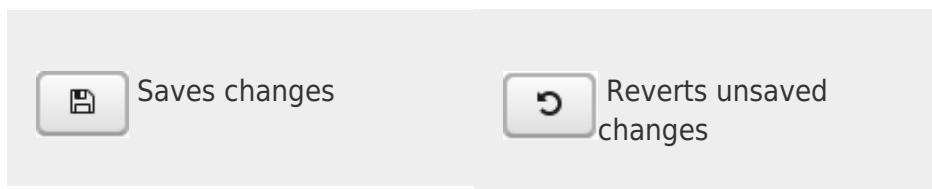
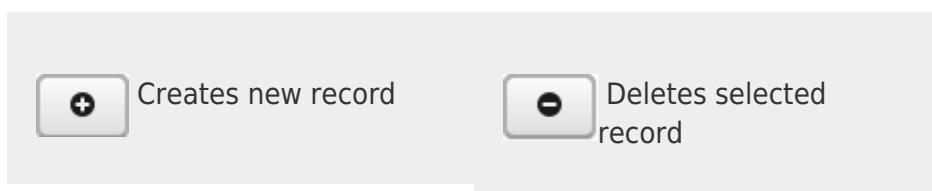
NTP servers:

IP address / hostname



OpenVPN

Enables VPN connection by using OpenVPN protocol.

Details about configuration are available [here](#).

In the left side of the screen is located configuration file editor with buttons for uploading certificates.

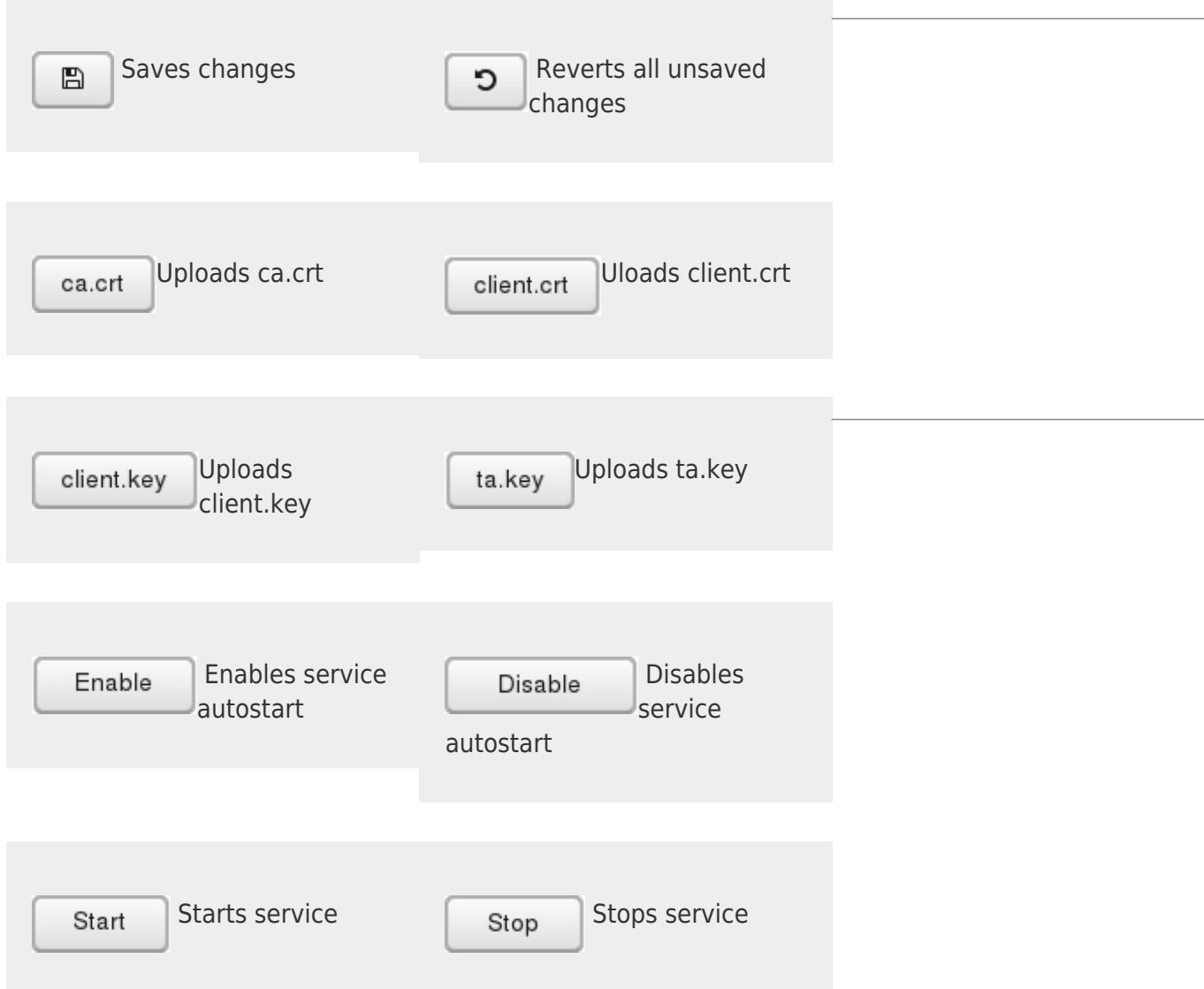
In the right side of the screen are located buttons for managing service with displayed service log.



OpenVPN requires correct system time in order to verify certificates.



Uploaded certificate is automatically renamed to match certificate name of pressed upload button.



System updates

System updates can be installed only manually by downloading update file from internet or by manually uploading update file.

You will be prompted if new update is available.

Update will restart application or may even require to restart whole device.

After successful application update you can proceed with modules update.

Kernel log

Displays message buffer of linux kernel - same as dmesg command.

From:
<https://wiki.apli.sk/> - Wiki



Permanent link:
<https://wiki.apli.sk/doku.php?id=en:blacky-system>

Last update: **2018/02/23 21:29**