



NTPv4

APPLICATION NOTE



Used symbols



Danger – Information regarding user safety or potential damage to the router.



Attention – Problems that may arise in specific situations.



Information or notice – Useful tips or information of special interest.



Example – Example of function, command or script.



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1. Description of the module



Router app *NTPv4* is not contained in the standard router firmware. Uploading of this router app is described in the Configuration manual (see Chapter [Related Documents](#)).

The Network Time Protocol (NTP) is widely used to synchronize computer clocks in the Internet. NTPv4 includes a modified protocol header to accommodate the Internet Protocol version 6 address family. NTPv4 includes fundamental improvements in the mitigation and discipline algorithms that extend the potential accuracy to the tens of microseconds with modern workstations and fast LANs.



Ntpq and ntpdc commands are supported from module version 1.2.0.

2. Web Interface

Once the installation of the module is complete, the module’s GUI can be invoked by clicking the module name on the Router apps page of router’s web interface.

Left part of this GUI contains menu with Configuration menu section and Information menu section. Customization menu section contains only the Return item, which switches back from the module’s web page to the router’s web configuration pages. The main menu of module’s GUI is shown on Figure 1.

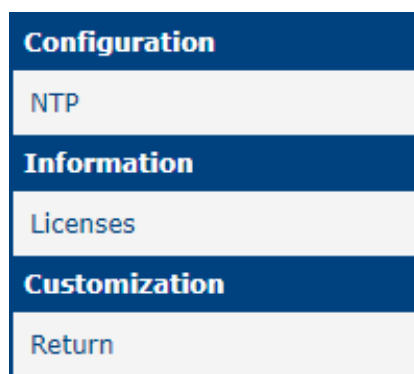


Figure 1: Menu

2.1 Configuration

2.1.1 NTP

Configuration of this router app can be done on Global page, under Configuration menu section. All configuration items for Global configuration page are described in the table below.

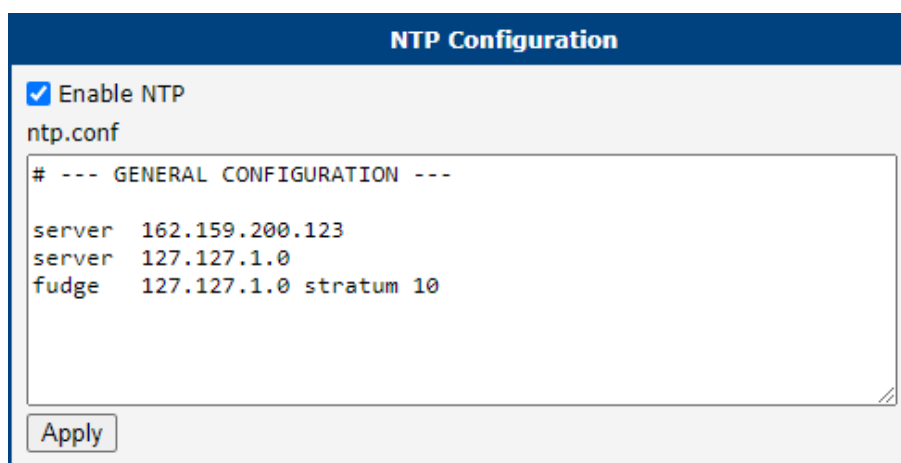


Figure 2: NTP

Item	Description
Enable NTP	Enabled, NTP functionality of the module is turned on.

Table 1: Configuration Example Items Description

2.2 Information

2.2.1 Licenses

You can check the license on the NTP Licenses Page in the Information section in the main menu.

NTP Licenses		
Project	License	More Information
ntp	NTP	License

Figure 3: Licenses

3. Related Documents

You can obtain product-related documents on *Engineering Portal* at icr.advantech.cz address.

To get your router's *Quick Start Guide*, *User Manual*, *Configuration Manual*, or *Firmware* go to the [Router Models](#) page, find the required model, and switch to the *Manuals* or *Firmware* tab, respectively.

The *Router Apps* installation packages and manuals are available on the [Router Apps](#) page.

For the *Development Documents*, go to the [DevZone](#) page.