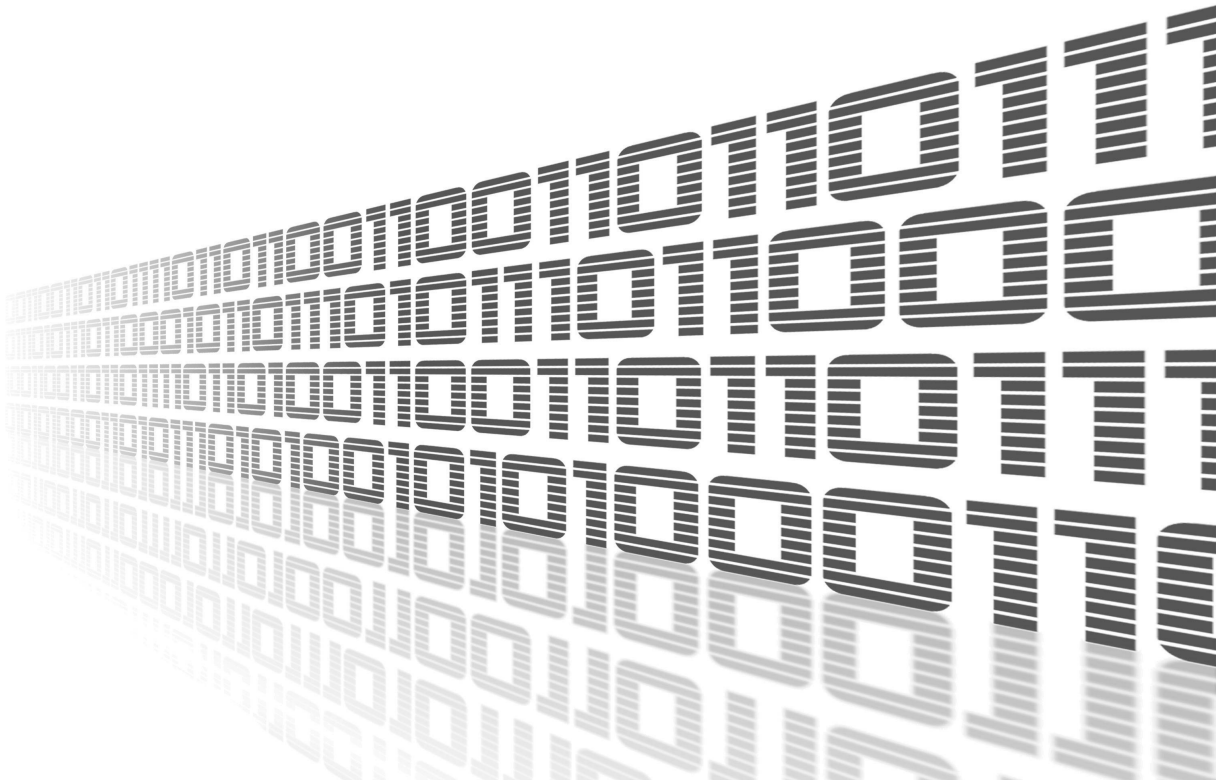
RouterApp

OpenVPN Custom Config

APPLICATION NOTE



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Used symbols

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

Attention – Problems that can arise in specific situations.

Information, 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 *OpenVPN Custom Config* is not contained in the standard router firmware. Uploading of this router app is described in the Configuration manual (see Chapter Related Documents).

OpenVPN Custom Config router app can be used to configure up to four another OpenVPN tunnels on the router. This module has no classic configuration menu like the router's OpenVPN configuration page has. Configuration of one OpenVPN tunnel is declared in one field supporting the format used in **.ovpn* configuration file. Advantage of this solution is that an existing OpenVPN configuration can be easily applied to the router. The downside is, that there is no control for the configuration entered. You can then easily get into the situation when the tunnel is not established or not working as expected with limited possibility of issue debugging.

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 *Status* section, followed by *Configuration* section which contains the configuration pages for all of four OpenVPN tunnels. *Customization* 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.

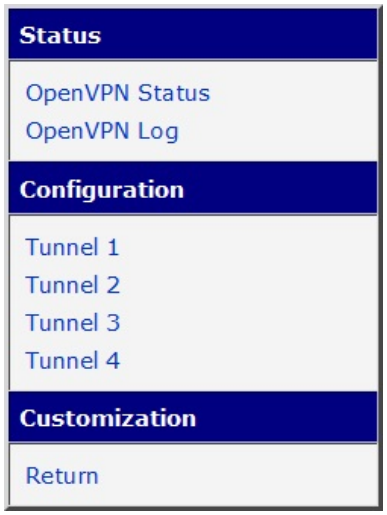

Figure 1: Main menu

3. Module usage

3.1 Configuration page

Configuration section of the module's GUI contains configuration pages for all of four OpenVPN tunnels, from *Tunnel 1* to *Tunnel 4*. Default state of configuration page for Tunnel 1 is on figure 1.

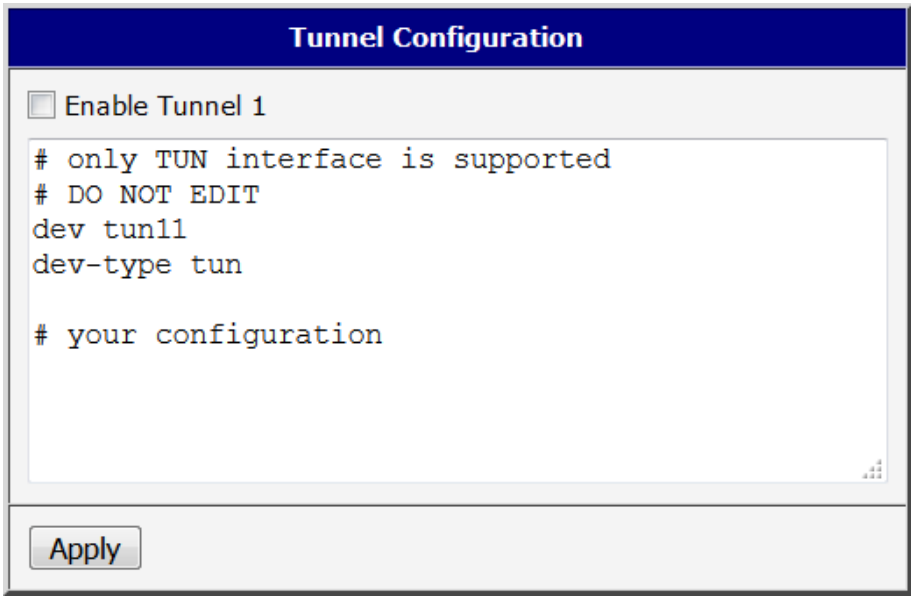

Figure 1: Configuration page - default state for Tunnel 1

As you can see, the configuration field begins with four lines which should not be edited. There are tunnel type and interface name declared on these lines. The interface name for *Tunnel 1* is *tun11* increasing to *tun14* for *Tunnel 4*.

Bellow these lines follows section four your configuration where you can put your configuration of the tunnel. Please note, that only OpenVPN features stated in configuration manual (references on page **??**) of the router are declared to be supported by this module. Other settings may not work as expected.

An example of tunnel configuration is shown on figure 2. To save changes made in configuration click on *Apply* button. To apply the configuration and to create appropriate OpenVPN tunnel, check *Enable* box at the top and click on *Apply* button.

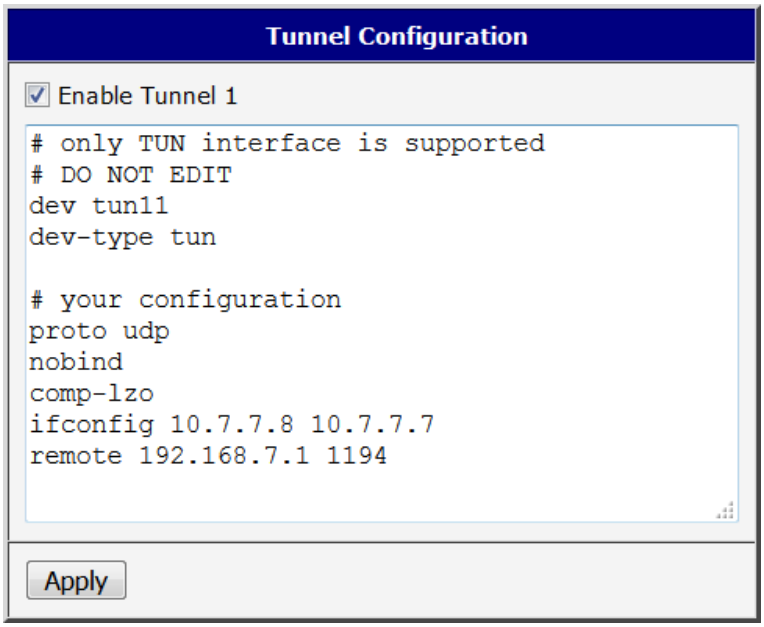

Figure 2: Configuration page - example

3.2 Status page

OpenVPN Status page lists status of all four OpenVPN interfaces. If the tunnel is initialled, the interface name and its status is displayed. If the tunnel is not enabled, the *Disabled* keyword is mentioned for the tunnel. An example of status page is shown on figure 3.

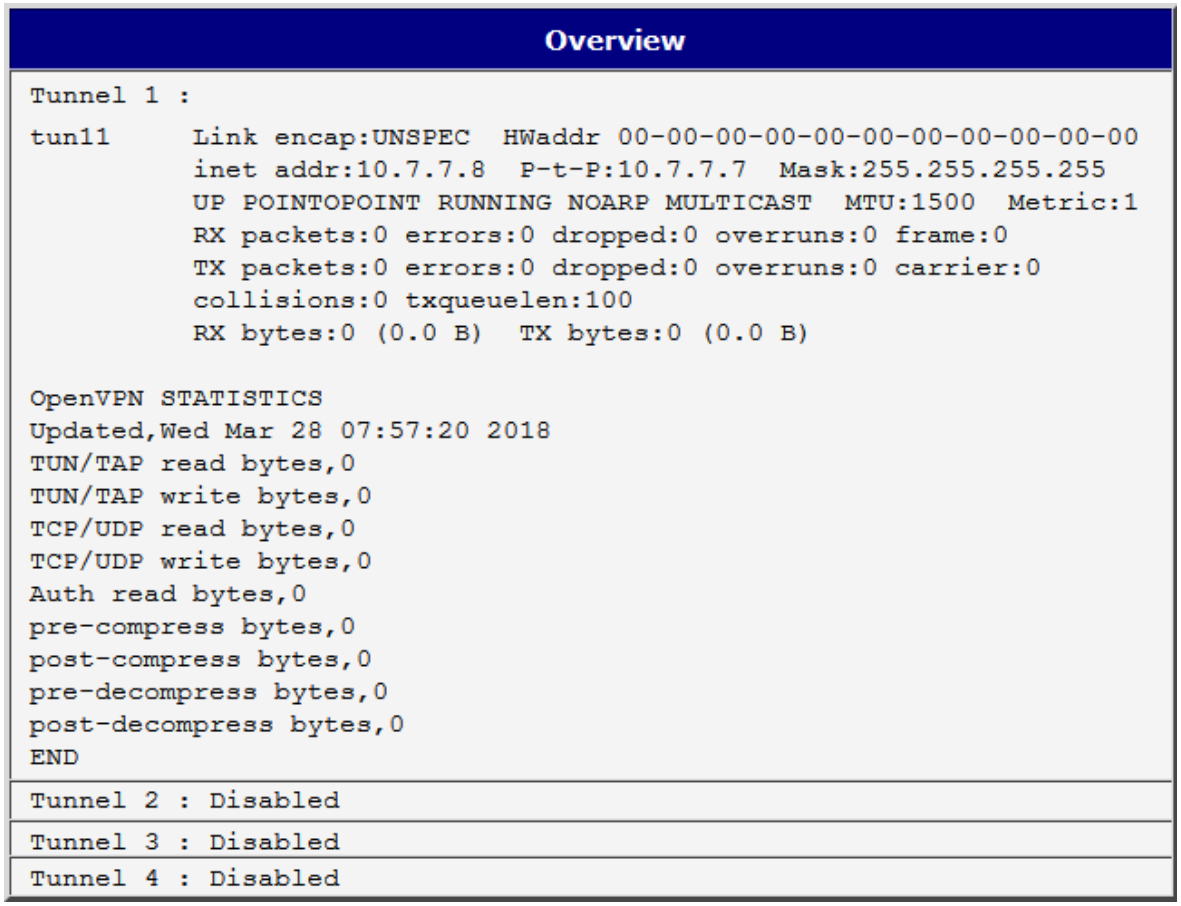

Figure 3: Status page

3.3 Log page

OpenVPN Log page lists detailed log messages of all four OpenVPN interfaces configured in this router app and also for all four standard OpenVPN interfaces configured on router's web GUI. These information may be helpful for debugging, especially for issues with initialization of the interface caused by an incorrect configuration. An example of log page is shown on figure 4.

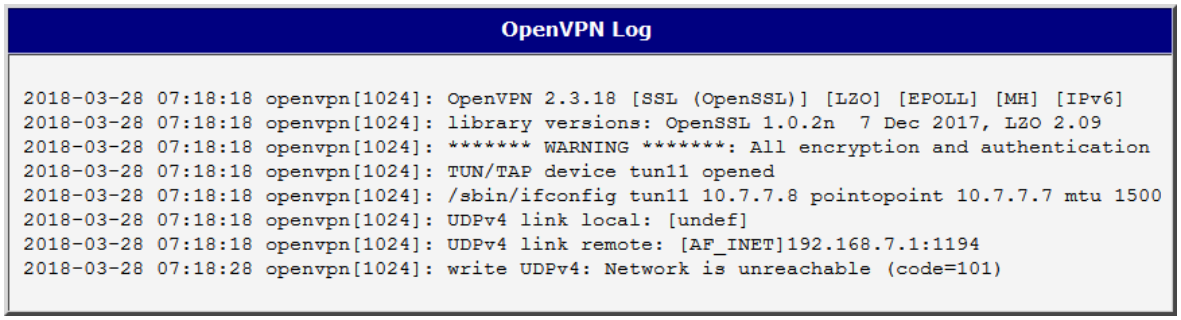

Figure 4: Log page

4. 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.