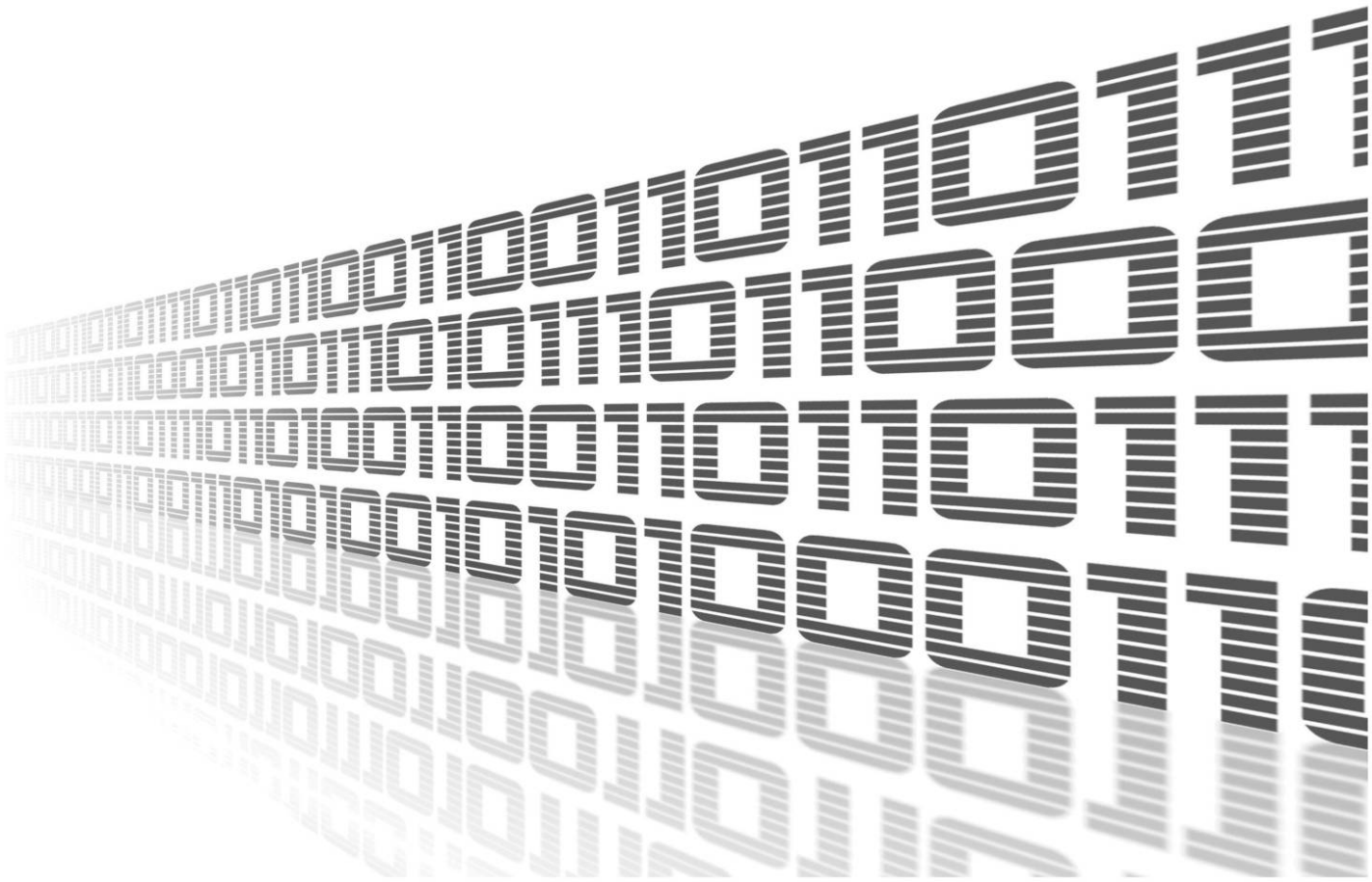
ADVANTECH

RouterApp

Technical Report 069



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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 – Useful tips or information of special interest.

Example – Example of function, command or script.

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1. Changelog

1.1 Technical Report 069 Changelog

v1.0.0 (2022-03-30)

- First release.

2. Basic Information

Technical Report 069 (TR-069) is a technical specification of the Broadband Forum that defines an application layer protocol for remote management and provisioning of customer-premises equipment (CPE) connected to an Internet Protocol (IP) network. TR-069 uses the CPE WAN Management Protocol (CWMP) which provides support functions for auto-configuration, software or firmware image management, software module management, status and performance managements, and diagnostics.

3. Router App Description

3.1 Web Interface

After Router App installation, the module's GUI can be invoked by clicking the router app name on the Router Apps page of router's web interface.

Left part of this GUI contains menu with Status menu section, 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 router app GUI is shown on Figure below.

Figure 1: Menu

3.2 Status

Status menu section contains Overview item where we can find detailed data about TR-069 service and received parameters.

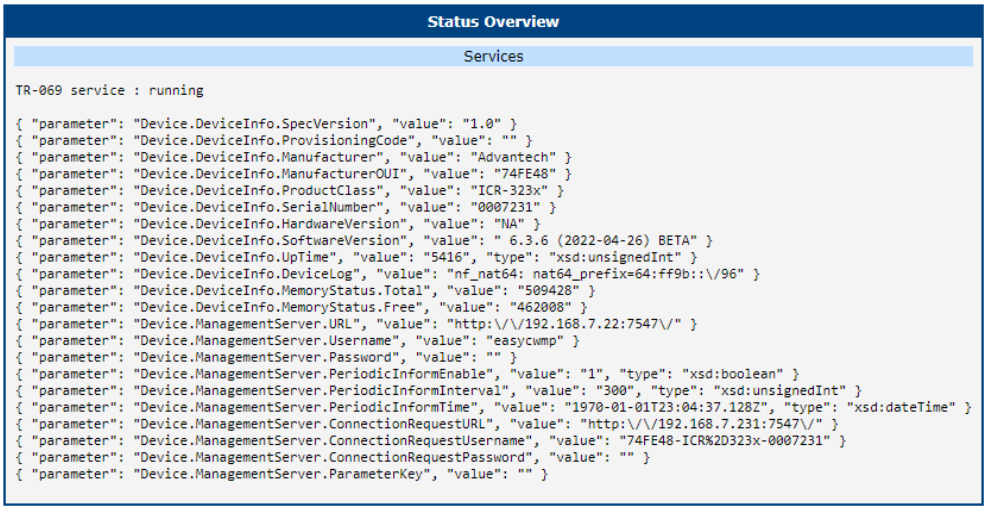

Figure 2: Overview

While System log contains log messages.

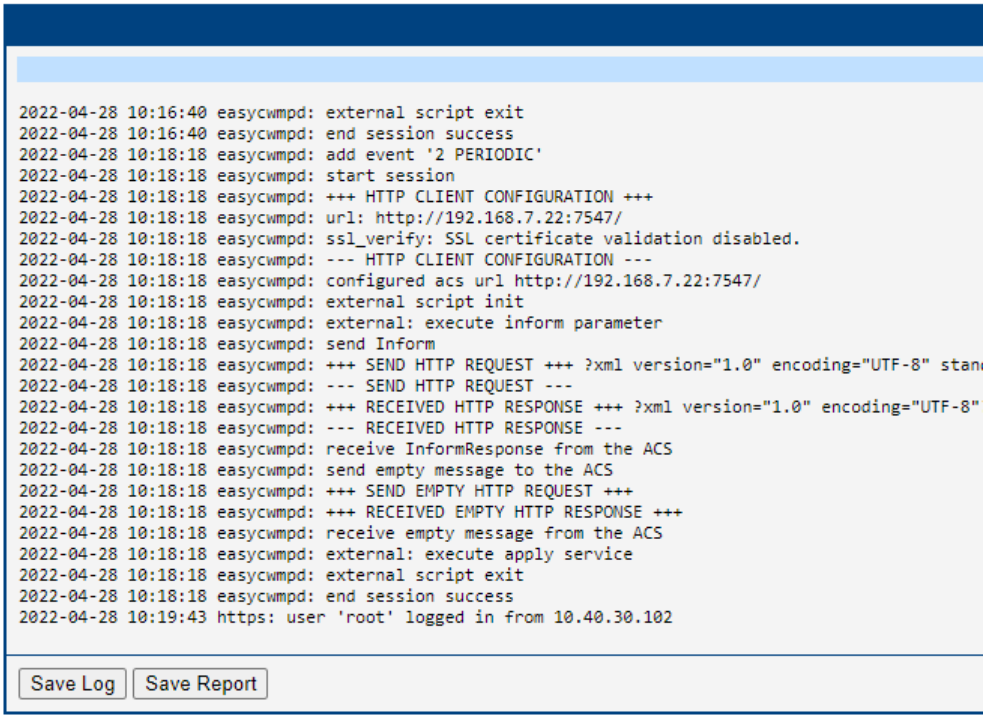

Figure 3: System log

3.3 Configuration

Global configuration is place where the configuration string should be. Most important lines are *option url*, *option username* and *option password* in the *config acs* part.

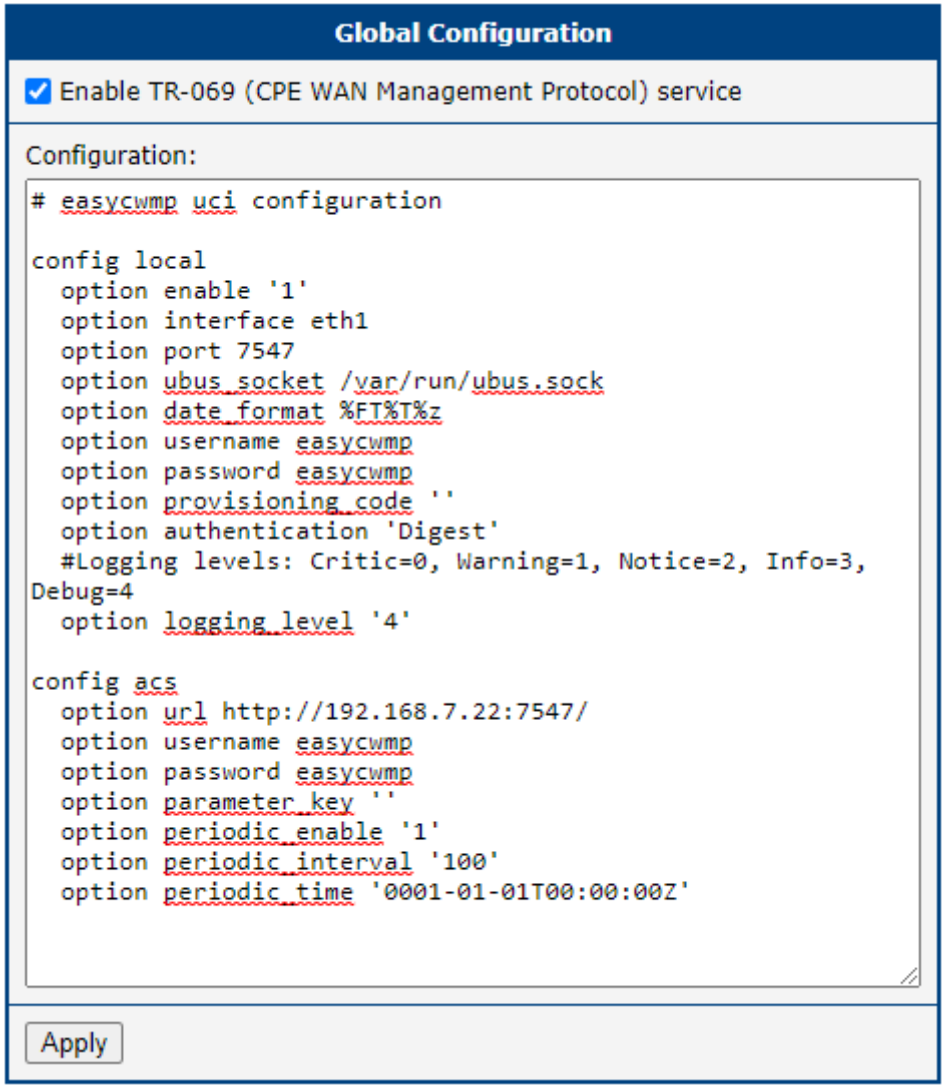

Figure 4: Global configuration

3.4 Licenses

Summarizes Open-Source Software (OSS) licenses used by this module.

TR-069 (CPE WAN Management Protocol) Licenses

Project	License	More Information
easycwmp	GPLv2	License
openssl	OpenSSL	License
json-c	Json-c	License
libubox	Ubox	License
libuci	LGPLv2.1	License
libubus	LGPLv2.1	License
microxml	LGPL2	License
curl	Curl	License

Figure 5: Licenses

4. Example

In this example is *geniacs*[1] solution used as auto configuration server (acs). There are 3 routers managed with ACS.

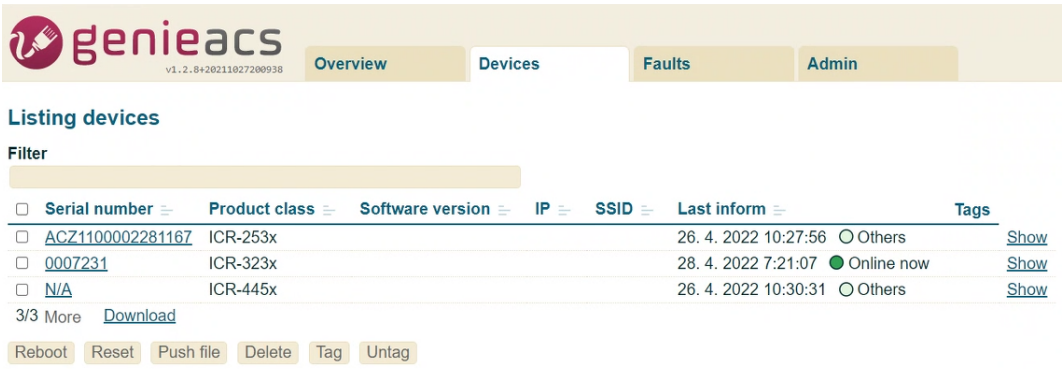

Figure 6: Devices

We can display the detail of each added device

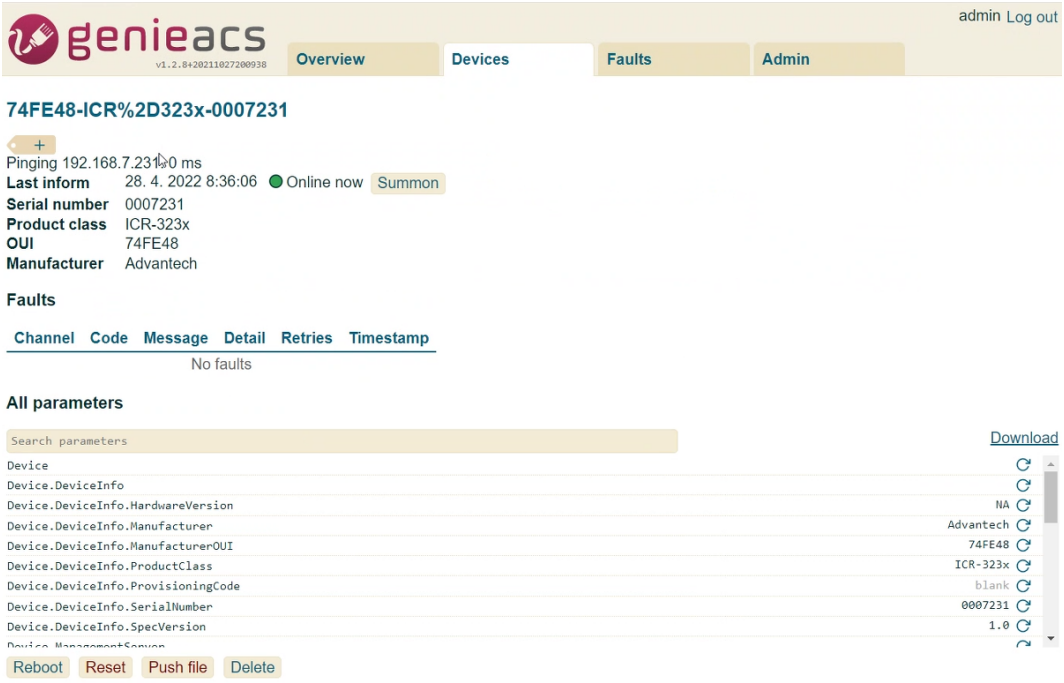

Figure 7: Detail of the device

[1] https://genieacs.com/

In this detail it is possible to edit parameter values

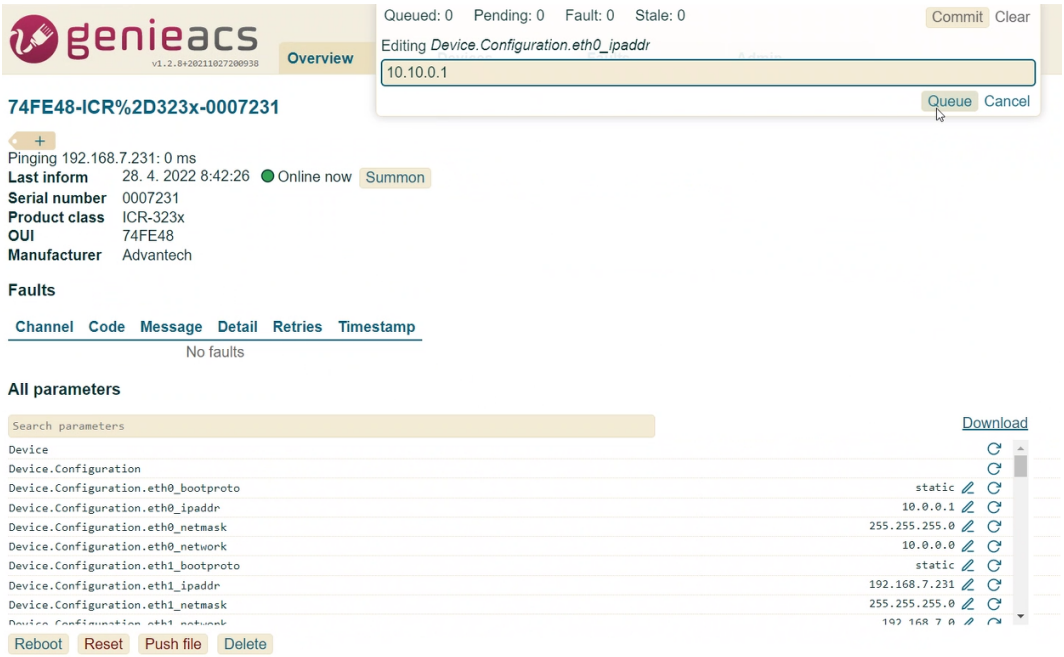

Figure 8: Device parameter edit

or even push files. Files, that can be pushed to router are only:

- Config files
- Router firmware

to the router which could be useful for changing config files of even uploading new firmware.

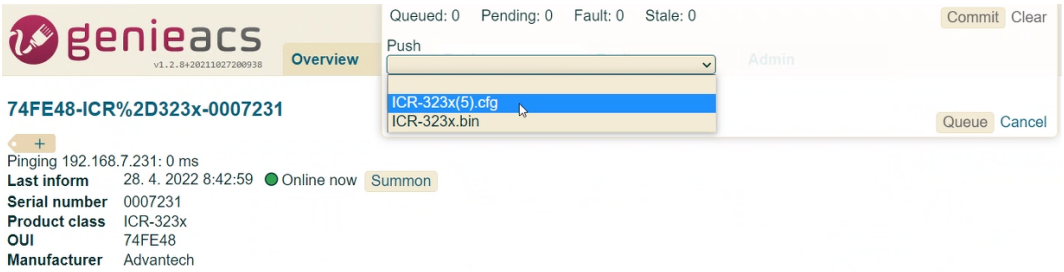

Figure 9: Push file to the device

5. 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.