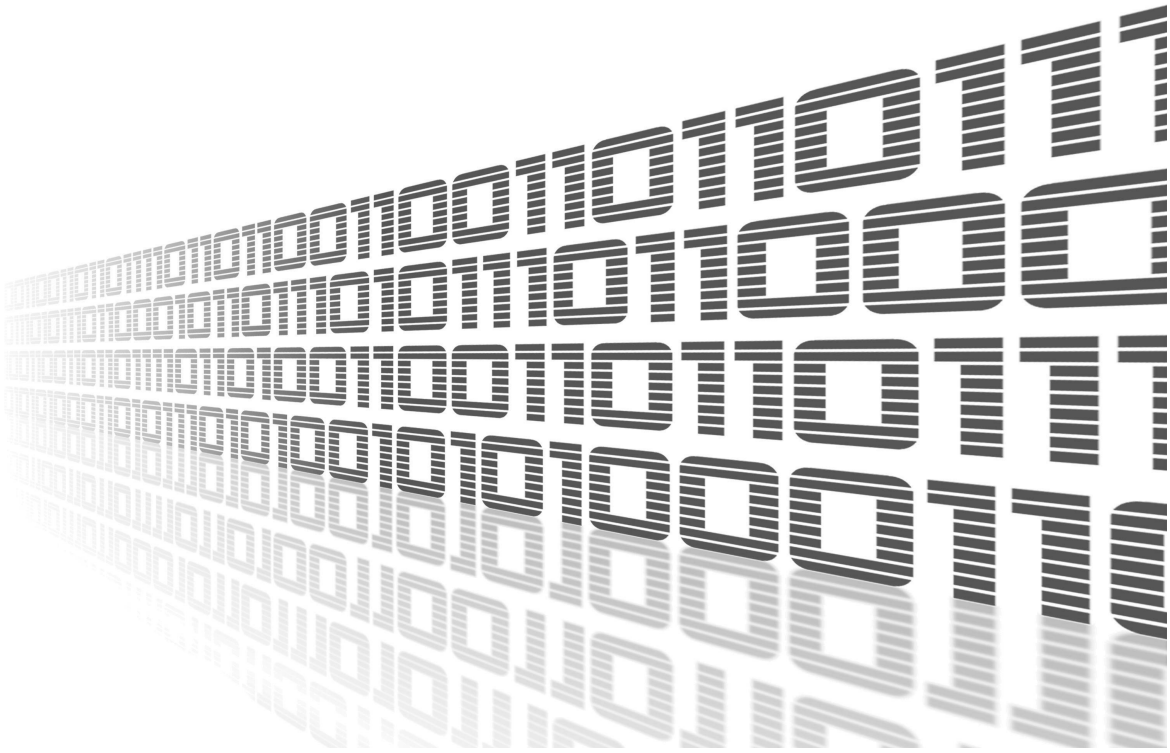
RouterApp

User Module

NMAP

APPLICATION NOTE



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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 user module

User module *NMAP* is not contained in the standard router firmware. Uploading of this user module is described in the Configuration manual (see [1, 2]).

The user module is v2 and v3 router platforms compatible.

This module allows user to perform TCP and UDP scan. It can also be used for sending pings (i.e. IP datagrams, which are intended to verify the functionality of a connection between two network interfaces).

NMAP module has a web interface which can be invoked by pressing the module name on the *User modules* page of the router web interface. The left part of the web interface (ie. menu) contains only the *Return* item, which switches this web interface to the interface of the router. In the right part are displayed the following information:

- Nmap module is located in /opt/nmap/bin/nmap
- For help type /opt/nmap/bin/nmap -h

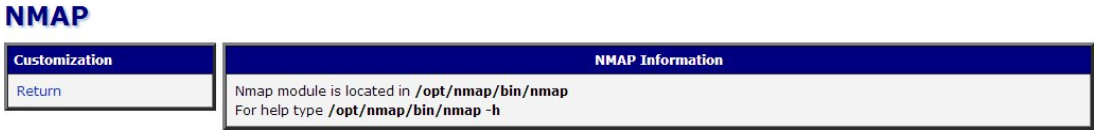

Figure 1: Web interface

The first line informs about the location of NMAP user module and the second informs about a way to display help for this module. After invoking the help, a list of all parameters which can be used in the context of this module is printed (see the figure on next page). Most of them can be combined.

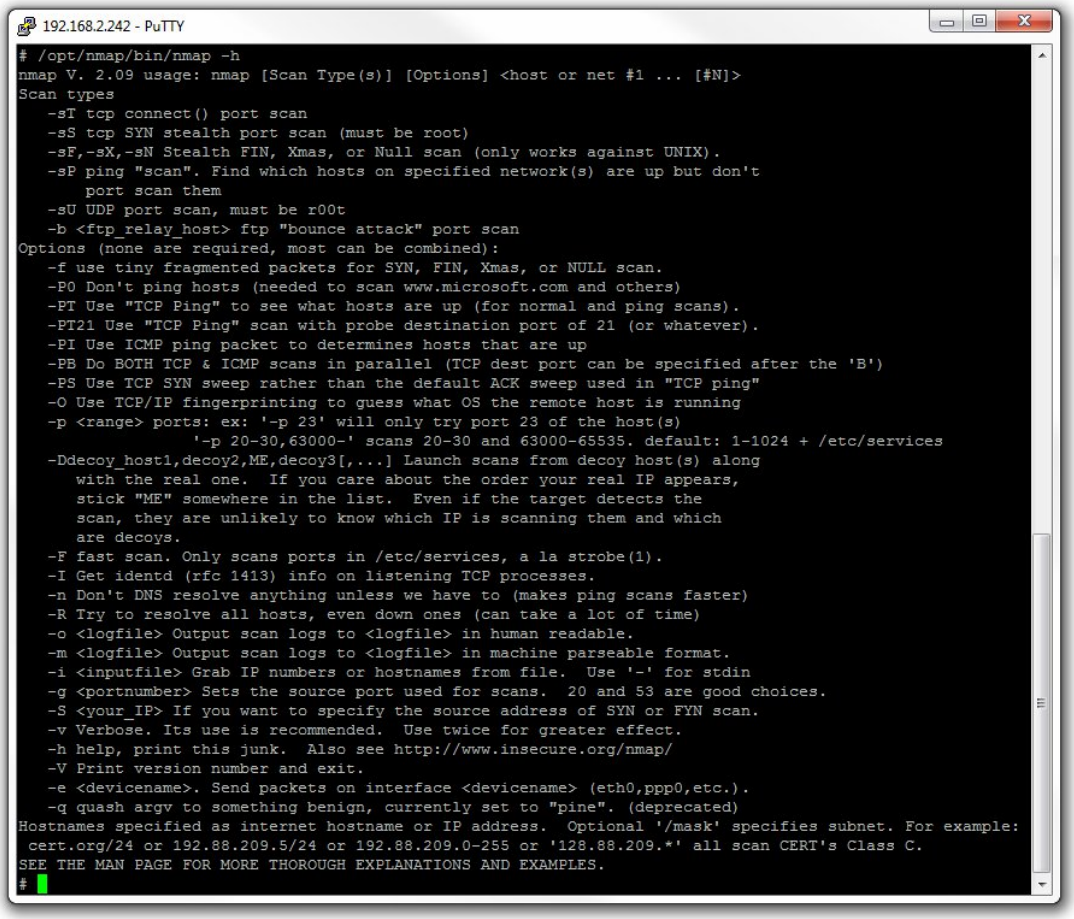

Figure 2: NMAP help (Telnet or SSH)

2. Related Documents

[1] Advantech Czech: **v2 Routers Configuration Manual** (MAN-0021-EN)
[2] Advantech Czech: **SmartFlex Configuration Manual** (MAN-0023-EN)
[3] Advantech Czech: **SmartMotion Configuration Manual** (MAN-0024-EN)
[4] Advantech Czech: **SmartStart Configuration Manual** (MAN-0022-EN)
[5] Advantech Czech: **ICR-3200 Configuration Manual** (MAN-0042-EN)

Product related documents can be obtained on *Engineering Portal* at www.ep.advantech-bb.cz address.