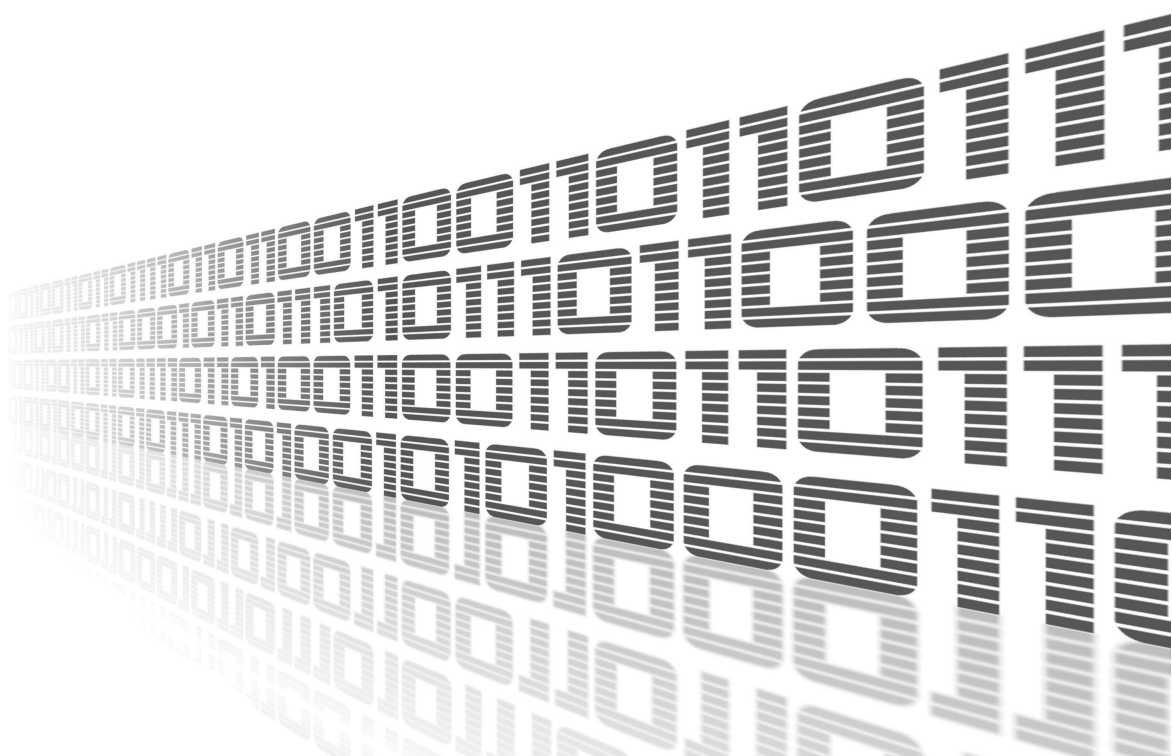




User Module

Shell Access Over HTTP(S)

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.



Advantech Czech s.r.o., Sokolska 71, 562 04 Usti nad Orlici, Czech Republic
Document No. APP-0111-EN, revised on January 11, 2022. Released in the Czech Republic.

Contents

1	Description of the module	1
2	Installation	2
3	How to use	3
3.1	Command line	3
4	Licenses	4
5	Related Documents	5

List of Figures

1	User Modules	2
2	Web Terminal	3
3	Licenses	4

1. Description of the module



This user module is not installed on *Advantech* routers by default. See *Configuration Manual* for the description how to upload a user module to the router. For more information see the *Configuration manual*, chapter *Customization* → *User Modules*.



The user module is v2, v3 and v4 router platforms compatible.

Shell Access Over HTTP(S) is a remote router command line, when connected to router via ssh or putty. You can use all of the same commands that are used in ssh or putty interface.

2. Installation

Like every other Router App, the Shell Access Over HTTP(S) is installed in *User Modules* section in the router configuration page. Once the installation of the module is complete, the module is listed among other installed modules, the module itself only adds the possibility to use the *Web Terminal*.

User Modules			
Web Terminal 1.1.0 (2020-10-01)	Delete		
New Module	Vybrat soubor	Soubor nevybrán	Add or Update

Figure 1: User Modules

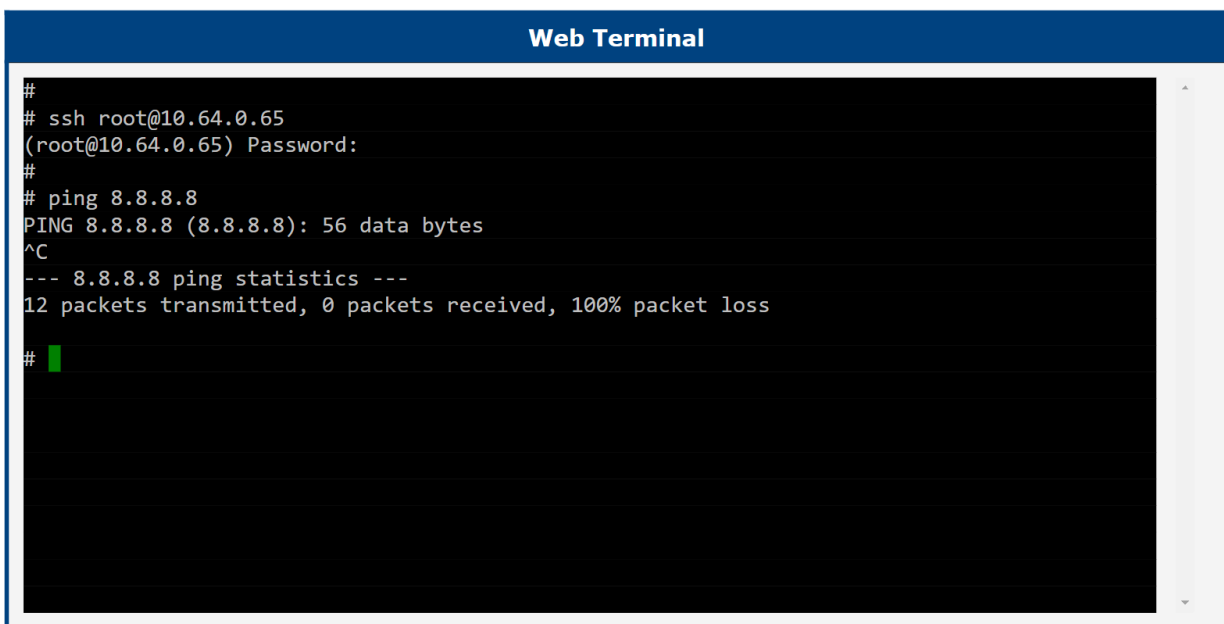
3. How to use

3.1 Command line

Firstly, you have to connect to your router. When using ssh, it should look like this:

```
# ssh username@router_address  
# Password:
```

and Web Terminal is ready.



The screenshot shows a web browser window titled "Web Terminal". Inside the terminal, the following commands and output are visible:

```
#  
# ssh root@10.64.0.65  
(root@10.64.0.65) Password:  
#  
# ping 8.8.8.8  
PING 8.8.8.8 (8.8.8.8): 56 data bytes  
^C  
--- 8.8.8.8 ping statistics ---  
12 packets transmitted, 0 packets received, 100% packet loss  
#
```

Figure 2: Web Terminal Example

4. Licenses

This section is about information about licenses listed below on the Figure 3. By clicking on the specific *License* button you will open up a text file which describes copyright terms and agreements of the specific license. You can find more information about specific items online.

Web Terminal Licenses		
Project	License	More Information
json-c	Json-c	License

Figure 3: Licenses

5. 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)
- [6] Advantech Czech: **ICR-4400 Configuration Manual** (MAN-0062-EN)



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