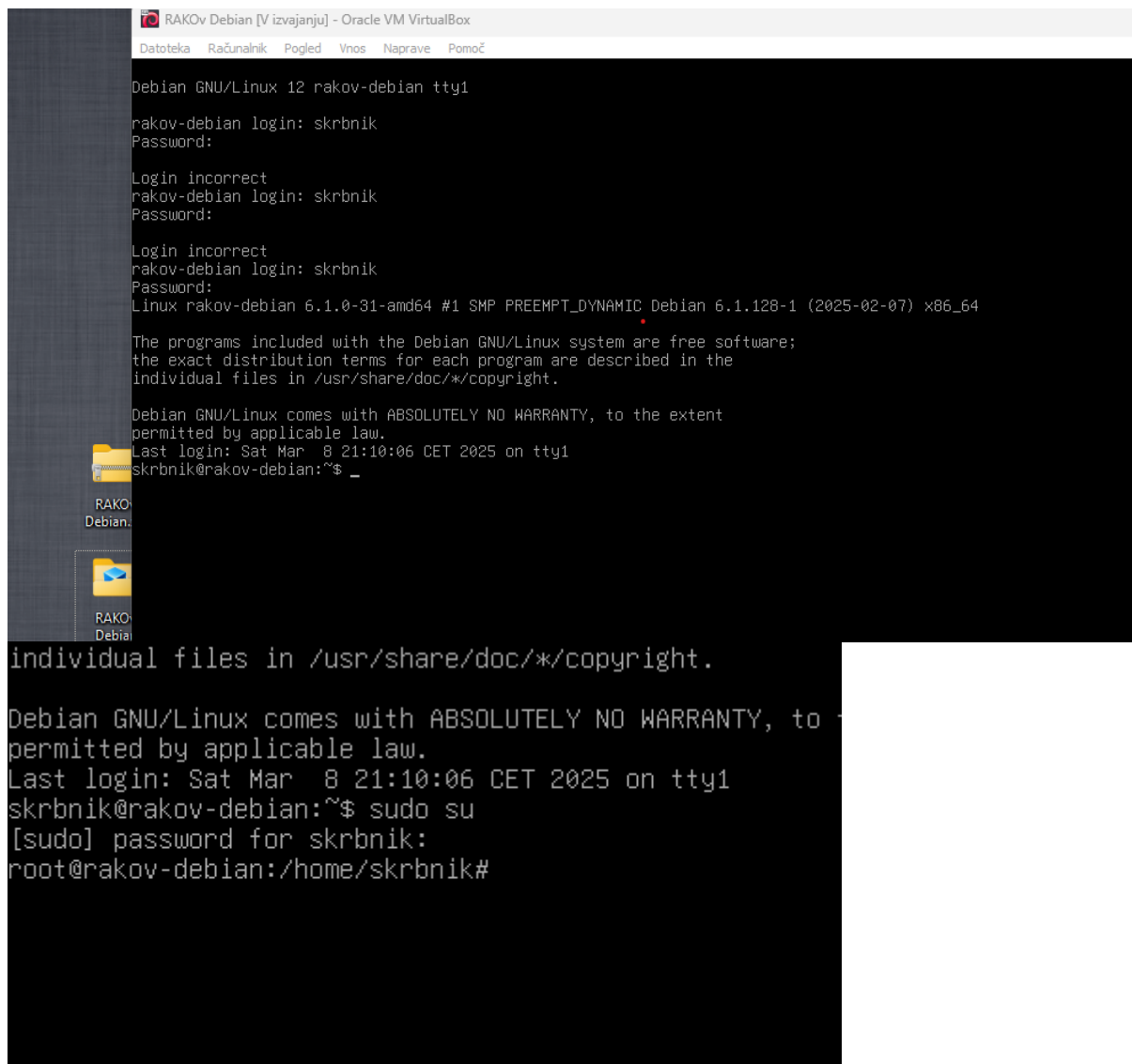


SSH in HTTP strežnik

Jonas Korene Novak – 16. 3. 2025 – R2D

Screenshotti



```
Debian GNU/Linux 12 rakov-debian tty1
rakov-debian login: skrbnik
Password:
Login incorrect
rakov-debian login: skrbnik
Password:
Login incorrect
rakov-debian login: skrbnik
Password:
Linux rakov-debian 6.1.0-31-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.128-1 (2025-02-07) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Sat Mar  8 21:10:06 CET 2025 on tty1
skrbnik@rakov-debian:~$ _

individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to
permitted by applicable law.
Last login: Sat Mar  8 21:10:06 CET 2025 on tty1
skrbnik@rakov-debian:~$ sudo su
[sudo] password for skrbnik:
root@rakov-debian:/home/skrbnik#
```

```
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).
```

```
source /etc/network/interfaces.d/*
```

```
# The loopback network interface
```

```
auto lo
```

```
iface lo inet loopback
```

```
# The primary network interface
```

```
allow-hotplug enp0s8
```

```
iface enp0s8 inet dhcp
```

```
Ukazni poziv X + v
Microsoft Windows [Version 10.0.22631.2506]
(c) Microsoft Corporation. Vse pravice pridržane.

C:\Users\Vegova>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet 2:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::616e:67ef:45d4:f884%12
    IPv4 Address. . . . . : 192.168.56.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::2dae:c205:951f:456d%5
    IPv4 Address. . . . . : 192.168.107.123
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.107.1

Ethernet adapter VMware Network Adapter VMnet1:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::5976:3145:f84f:e0c5%9
    IPv4 Address. . . . . : 192.168.87.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 

Ethernet adapter VMware Network Adapter VMnet8:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::b177:b5b9:ea77:36c1%4
    IPv4 Address. . . . . : 192.168.206.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 

C:\Users\Vegova>
```

```

RAKOv Debian [V izvajanju] - Oracle VM VirtualBox
Datoteka Računalnik Pogled Vnos Naprave Pomoč
GNU nano 7.2 /etc/network/interfaces *
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
allow-hotplug enp0s8
iface enp0s8 inet dhcp

# Hey Hey Hey Tukja pa jaz pisem
iface enp0s3 inet static
    address 192.168.56.10/24
    gateway 192.168.56.1_

Ethernet adapter Ethernet 2:

Connection-specific DNS Suffix . . :
Link-local IPv6 Address . . . . . : fe80::616e:67ef:45d4:f884%12
IPv4 Address. . . . . : 192.168.56.1
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :

```

```

RAKOV Debian [V izvajanju] - Oracle VM VirtualBox
Datoteka Računalnik Pogled Vnos Naprave Pomoč
root@rakov-debian:/home/skrbnik# ifup enp0s3
RTNETLINK answers: File exists
ifup: failed to bring up enp0s3
root@rakov-debian:/home/skrbnik# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:fc:be:51 brd ff:ff:ff:ff:ff:ff
    inet 192.168.56.10/24 brd 192.168.56.255 scope global enp0s3
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe3c:87f9/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:3c:87:f9 brd ff:ff:ff:ff:ff:ff
    inet 10.0.3.15/24 brd 10.0.3.255 scope global dynamic enp0s8
        valid_lft 85718sec preferred_lft 85718sec
    inet6 fe80::a00:27ff:fe3c:87f9/64 scope link
        valid_lft forever preferred_lft forever
root@rakov-debian:/home/skrbnik# _

```



```

Ukazni poziv
Microsoft Windows [Version 10.0.22631.2506]
(c) Microsoft Corporation. Vse pravice pridržane.

C:\Users\Vegova>ping 192.168.56.10

Pinging 192.168.56.10 with 32 bytes of data:
Reply from 192.168.56.10: bytes=32 time=1ms TTL=64
Reply from 192.168.56.10: bytes=32 time=2ms TTL=64
Reply from 192.168.56.10: bytes=32 time=1ms TTL=64
Reply from 192.168.56.10: bytes=32 time=1ms TTL=64

Ping statistics for 192.168.56.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 2ms, Average = 1ms

C:\Users\Vegova>

```

```

RAKOv Debian [V izvajanju] - Oracle VM VirtualBox
Datoteka Računalnik Pogled Vnos Naprave Pomoč

root@rakov-debian:/home/skrbnik# apt install openssh-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libwrap0 openssh-sftp-server runit-helper
Suggested packages:
  molly-guard monkeysphere ssh-askpass ufw
The following NEW packages will be installed:
  libwrap0 openssh-server openssh-sftp-server runit-helper
0 upgraded, 4 newly installed, 0 to remove and 0 not upgraded.
Need to get 584 kB of archives.
After this operation, 2,331 kB of additional disk space will be used.
Do you want to continue? [Y/n] y

RAKOv Debian [V izvajanju] - Oracle VM VirtualBox

Ukazni poziv - ssh skrbnik@1 X + v

Microsoft Windows [Version 10.0.22631.2506]
(c) Microsoft Corporation. Vse pravice pridržane.

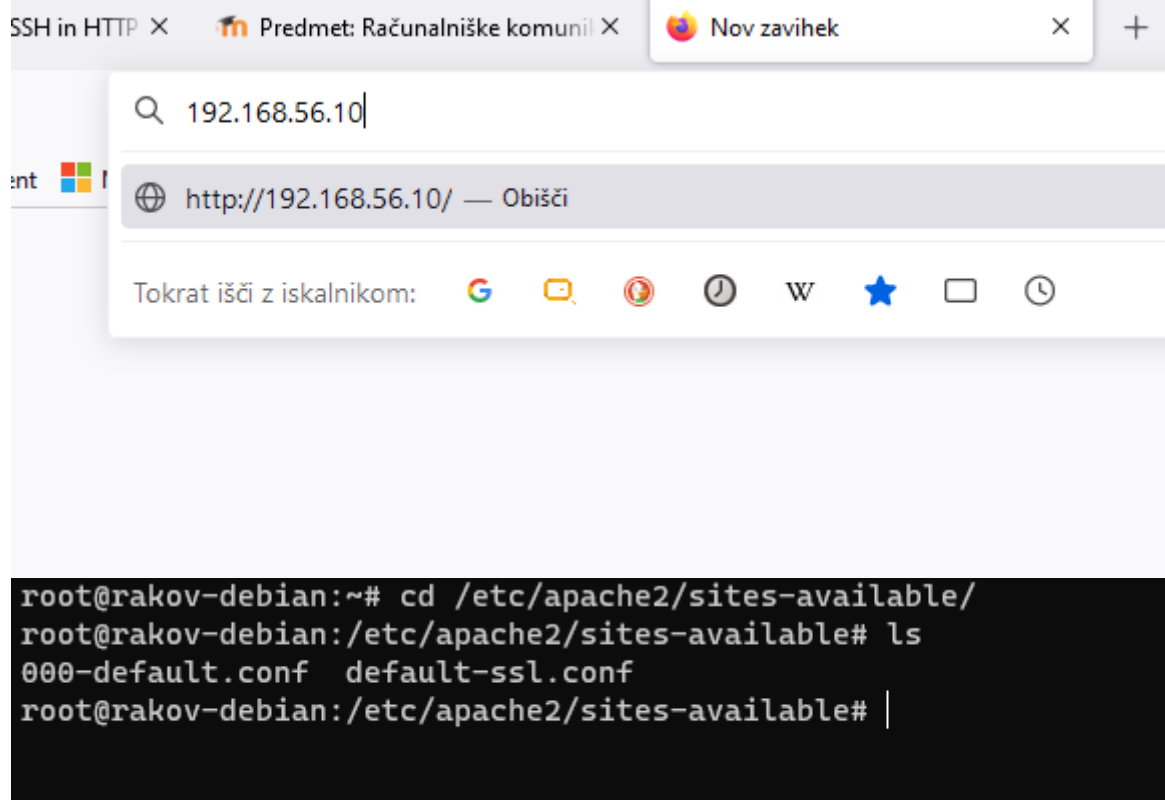
C:\Users\Vegova>ssh skrbnik@192.168.56.10
The authenticity of host '192.168.56.10 (192.168.56.10)' can't be established.
ED25519 key fingerprint is SHA256:nh/az7WdMRR7jADbHQYyUCI17n7791XiGL7GFR7c09H8.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? |

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Mon Mar 10 09:23:43 2025
skrbnik@rakov-debian:~$ |

Processing triggers for udev package: 2.10.0-10.1
skrbnik@rakov-debian:~$ pwd
/home/skrbnik
skrbnik@rakov-debian:~$ cd
skrbnik@rakov-debian:~$ cd /
skrbnik@rakov-debian:/$ sudo su
root@rakov-debian:/# cd
root@rakov-debian:~# |

```

```
root@rakov-debian:~# cd
root@rakov-debian:~# apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-
  liblua5.3-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprut
  liblua5.3-0 ssl-cert
0 upgraded, 11 newly installed, 0 to remove and 0 not upgraded.
Need to get 2,729 kB of archives.
After this operation, 9,224 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```



```
skrbnik@rakov-debian: / X + v
GNU nano 7.2 000-default.conf *
<VirtualHost *:80>
    # The ServerName directive sets the request scheme, hostname and port that
    # the server uses to identify itself. This is used when creating
    # redirection URLs. In the context of virtual hosts, the ServerName
    # specifies what hostname must appear in the request's Host: header to
    # match this virtual host. For the default virtual host (this file) this
    # value is not decisive as it is used as a last resort host regardless.
    # However, you must set it for any further virtual host explicitly.
    #ServerName www.example.com

    ServerAdmin matic.flegar.si@gmail.com
    DocumentRoot /var/www/html

    # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
    # error, crit, alert, emerg.
    # It is also possible to configure the loglevel for particular
    # modules, e.g.
    #LogLevel info ssl:warn

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined

    # For most configuration files from conf-available/, which are
    # enabled or disabled at a global level, it is possible to
    # include a line for only one particular virtual host. For example the
    # following line enables the CGI configuration for this host only
    #
    #Include conf-enabled/cgi.conf

root@rakov-debian:/etc/apache2/sites-available# cd /var/www/
root@rakov-debian:/var/www# ls -la
total 12
drwxr-xr-x  3 root root 4096 Mar 10 09:49 .
drwxr-xr-x 12 root root 4096 Mar 10 09:49 ..
drwxr-xr-x  2 root root 4096 Mar 10 09:49 html
root@rakov-debian:/var/www# |

root@rakov-debian:/etc/apache2/sites-available# cd /var/www/
root@rakov-debian:/var/www# ls -la
total 12
drwxr-xr-x  3 root root 4096 Mar 10 09:49 .
drwxr-xr-x 12 root root 4096 Mar 10 09:49 ..
drwxr-xr-x  2 root root 4096 Mar 10 09:49 html
root@rakov-debian:/var/www# chown -R skrbnik:www-data html/|
```

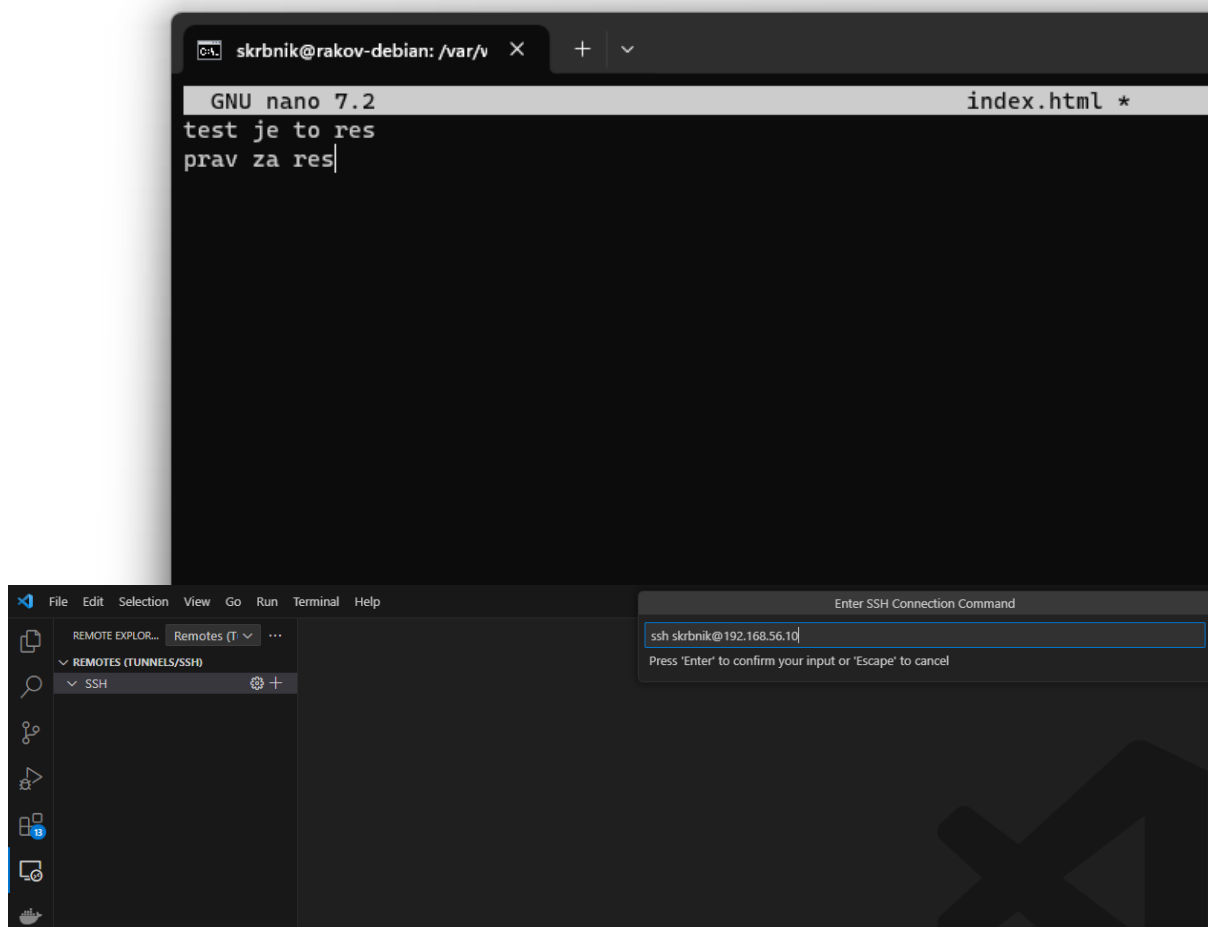


```

root@rakov-debian:/var/www# ls -la
total 12
drwxr-xr-x  3 root root 4096 Mar 10 09:49 .
drwxr-xr-x 12 root root 4096 Mar 10 09:49 ..
drwxr-xr-x  2 root root 4096 Mar 10 09:49 html
root@rakov-debian:/var/www# chown -R skrbnik:www-data html/
root@rakov-debian:/var/www# ls -la
total 12
drwxr-xr-x  3 root    root    4096 Mar 10 09:49 .
drwxr-xr-x 12 root    root    4096 Mar 10 09:49 ..
drwxr-xr-x  2 skrbnik www-data 4096 Mar 10 09:49 html
root@rakov-debian:/var/www# |
drwxr-xr-x  3 root    root    4096 Mar 10 09:49 .
drwxr-xr-x 12 root    root    4096 Mar 10 09:49 ..
drwxrwxr-x  2 skrbnik www-data 4096 Mar 10 09:49 html
root@rakov-debian:/var/www# exit
exit
skrbnik@rakov-debian:/$ cd /var/www/html/
skrbnik@rakov-debian:/var/www/html$ ls
index.html
skrbnik@rakov-debian:/var/www/html$ ls -la
total 20
drwxrwxr-x 2 skrbnik www-data 4096 Mar 10 09:49 .
drwxr-xr-x 3 root    root    4096 Mar 10 09:49 ..
-rwxrwxr-x 1 skrbnik www-data 10701 Mar 10 09:49 index.html
skrbnik@rakov-debian:/var/www/html$ mv index.html osnova.html
skrbnik@rakov-debian:/var/www/html$ |

```

to res



Odgovori

- 1.1.: Ne, saj imajo svoje distribucije svoje pakete za upravljanje z omrežji
- 2.1.: SSH (Terminal)
- 2.2.: Tekstoven
- 2.3.: Lahko z vsemi uporabniki, razen »root«, saj ima vse privilegije
- 3.1.: Uporabili smo »apache2«, vendar obstajajo tudi nginx, openlightspeed, serve, etc.
- 3.2.: /var/html/www/
- 3.3.: HTML – HyperText Markup Language.

