Stredná odborná škola elektrotechnická Žilina Komenského 50, 010 01 Žilina

Inštalácia Ubuntu servera

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MP31

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Inštalácia Ubuntu servera

1. Začneme nahratím .iso súbora na naše USB zariadenie, nastavíme si náš USB kľúč aby sa načitávalo ako prvé.

2. Zapneme zariadenie, po zapnutí sa nám začne načítavať inštalácia pre náš operačný systém.

[21.642303]	cloud-init[1027]: Generating public/private ecdsa key pair.
L r	21.643109]	_Cloud_init[1027]: Your identification has been saved in /etc/ssh/ssh_host_ecdsa_key _cloud_init[1027]: Your public key has been saved in /etc/ssh/ssh_host_ecdsa_key pub
L r	21.04(113)	cloud-init[1027]. The key finds been saved in vetexishing the cloud init[1027].
L r	21.047030]	Lioud-Init[1027]. He Key fingerprint is.
l an	21.040071]	CIOUU-INI([IV27]: SHH250:200JKgF72FKaws2JWup1F2GIWT00065JWVW40FLG2CM FOO(@ubuntu-Set
	21 648769]	cloud-init[1027]: The key's randomart image is:
ſ	21 649191]	cloud_init[1027]; +[ECDSA 256]+
ſ	21 649581]	
ſ	21.650024]	
ſ	21.650958]	cloud-init[1027]: + 0 0
ſ	21.655091]	cloud-init[1027]: , o = o +
ſ	21.655958]	cloud-init[1027]: = * oX.S o
ſ	21.656631]	cloud-init[1027]: B E*.BoO o
Ī	21.657054]	cloud-init[1027]: [000.+.X.0
Ī	21.657430]	cloud-init[1027]: [.+.+.o o
Ē	21.657852]	cloud-init[1027]: o .oo
[21.658239]	cloud-init[1027]: +[SHA256]+
[21.662789]	cloud–init[1027]: Generating public/private ed25519 key pair.
[21.663283]	cloud-init[1027]: Your identification has been saved in /etc/ssh/ssh_host_ed25519_ke
[21.663718]	cloud-init[1027]: Your public key has been saved in /etc/ssh/ssh_host_ed25519_key.pu
[21.664110]	cloud-init[1027]: The key fingerprint is:
[21.664482]	cloud-init[1027]: SHA256:sViwH8pUrjyymJ6sQq6pTqvsElXPLtzbZsf/9iz3VrY root@ubuntu-ser
er		
[21.665207]	cloud–init[1027]: The key's randomart image is:
[21.665613]	cloud-init[1027]: +[ED25519 256]+
[21.666002]	cloud-init[1027]:
[21.666378]	cloud-init[1027]: . =
[21.668344]	cloud-init[1027]: . oo =
[21.671678]	cloud-init[1027]: . +o* +
[21.672437]	cloud-init[1027]: oB S
[21.672838]	cloud-init[1027]: 0000. 0
[21.673214]	cloud-init[1027]: 000 0
L	21.675479]	cloud-init[1027]: [==+ o oEo]
L	21.675960]	cloud-init[1027]: #*+ oo.==
L	21.676412]	cloud-init[1027]: +[SHA256]+

3. Ako prvé si pri inštalácii zvolíme jazyk, my si zvolíme angličtinu. Po zvolení klikneme na tlačidlo "Enter".

Use UP, DOWN and ENTER keys to select your language.	
Use UP, DOWN and ENTER keys to select your language. [Asturianu [Bahasa Indonesia [Català [Deutsch [English [English (UK) [Español [Français [Galego [Hrvatski [Latviski [Lietuviškai [Magyar [Nederlands [Norsk bokmål [Polski [Português [Suomi [Svenska [Čeština]]<
[Čeština [Ελληνικά [Ελαρυκά	▶] ▶] ▶]
[Беларуская [Русский [Српски [Українська	►] ►] ►]

4. V ďalšom kroku si môžeme zvoliť či chceme novšiu verziu inštalácie, zvolíme si "Continue without updating"

Version	22.04.2	of	the	installer	is	now	available	(22.02.2	is	currently
running).									

You can read the release notes for each version at:

https://github.com/canonical/subiquity/releases

If you choose to update, the update will be downloaded and the installation will continue from here.

[Update to the new installer] [<u>C</u>ontinue without updating] [Back]

5. Zvolíme si aké chceme rozloženie klávesnice a aký jazyk klávesnice chceme.

Please select your keyb detect your layout auto	oard layout below, or select matically.	"Identify keyboard" to
Layout:	[English (US)	▼]
Variant:	[English (US)	▼]
	[Identify keyboard]	
	[<u>D</u> one] [Back]	

6. Zvolíme si či chceme serveru priradiť celý disk alebo vyhradiť len časť disku. My si zvolíme že chceme využiť celý disk keďže sme si ho už vyhradili vo VirtualBoxe. Klikneme na tlačidlo "Done".



7. Zvolíme si z akého servera sa nám budú funkcie servera sťahovať, my si zvolíme slovenský server. Klikneme na tlačidlo "Done".

0	17											
O.	v	Profile setup [Help]										
daisom												
kroku	si	Enter the username and password you will use to log in to the system. You can configure SSH access on the next screen but a nassword is still needed for										
zadáme	•	sudo.										
naše												
meno,		Your name: Michael Baranek										
meno												
servera		Your server's name: <mark>ubuntu</mark>										
301 0010	,	The name it uses when it taiks to other computers.										
		Pick a username: ubuntu										
		Choose a password: ***										
		Confirm your password: ***										

užívateľské meno a heslo.





dokončení inštalácie sa nám zmení okienko "Cancel update and reboot" na "Reboot now" ako znak že inštalácia bola úspešne dokončená.

curtin command curthooks configuring apt configuring apt installing missing packages configuring iscsi service configuring raid (mdadm) service installing kernel setting up swap apply networking config writing etc/fstab configuring multipath updating packages on target system configuring pollinate user-agent on target updating initramfs configuration configuring target system bootloader installing grub to target devices finalizing installation running 'curtin hook' curtin command hook executing late commands final system configuration configuring cloud-init calculating extra packages to install downloading and installing security updates curtin command in-target restoring apt configuration curtin command in-target curtin command in-target subiquity/Late/run

[View full log] [Reboot Now]

11. Po inštalácii zadáme na zvolené prihlasovacie meno a heslo.

Ubuntu 20.04.4 LTS ubuntu tty1

ubuntu login: ubuntu Password:

12. Prihlásime sa ako "Root" (administrátor) pomocou príkazu **sudo -s**, zadáme naše heslo a "ubuntu@uživateľské meno" sa nám zmení na "Root@ uživateľské meno".

ubuntu@ubuntu:~\$ sudo –s [sudo] password for ubuntu: root@ubuntu:/home/ubuntu#

13. Ďalej napíšeme príkaz **apt install tasksel** aby sme si mohli nainštalovať naše grafické rozhranie.



Príkazový riadok sa nás spýta či chceme pokračovať a do príkazového riadku napíšeme písmeno y.

14. Po nainštalovaní napíšeme do príkazového riadku *tasksel,* po zadaní tohto príkazu sa nám zobrazí tabuľka a tam si zvolíme "Lubuntu Desktop". V tabuľke vyberáme medzerníkom a zvolíme tlačidlom "Enter".





15. Necháme počítač reštartnúť a po reštartovaní sa nám počítač už zapne do Lubuntu.





Inštalácia Webminu

1. Začneme kliknutím skratky CTRL+ALT+T, napíšeme príkaz **sudo -s** na získanie oprávnení.





2. Cez prehliadač prejdeme na stránku Webmin, prejdeme do sekcie "Downloads" a klikneme na kolonku "Installing on Debian".

	Home Downloads Documentation Usermin Virtualmin Cloudmin Community											
Download Webmin 1.991	🔲 Installing on Debian and Ubuntu											
▶ RPM	If you are using the DEB version of webmin, first download the file from the downloads page , or run the											
Debian Package	command:											
TAR file												
Solaris Package	wger http://proownitoads.sourcerorge.net/webaumin/webmin_1.991_all.deb											
Development Versions	then run the command :											
Third-Party Modules	dpkginstall webmin_1.991_all.deb											
Webmin Installation	The install will be done automatically to /usr/share/webmin, the administration username set to root and the											
Installing the RPM	password to your current root password. You should now be able to login to Webmin at the URL http://localhost:10000/. Or if accessing it remotely, replace localhost with your system's IP address.											
Installing on Debian	······································											
Installing the TAR File	If Debian complains about missing dependencies, you can install them with the command :											
Installing on Solaris	ant get install pert libret scleav pert opensel libruthen new pert librem											
Installing on Windows	runtime libio-pty-perl apt-show-versions python unzip											
Other Sites	If you are installing on Ubuntu and the apt-get command reports that some of the packages cannot be found, edit /etc/ant/sources.List and make sure the lines ending with universe are not commented out											
D Virtualmin Pro	terra, early correct and the safe are more sharp marginariate are not continented out.											
Webmin Supporters	Some Debian-based distributions (Ubuntu in particular) don't allow logins by the root user by default.											

3. Skopírujeme si postupne tri príkazy podla tohto návodu

wget http://prdownloads.sourceforge.net/webadmin/webmin_1.991_all.deb

- Tento príkaz nám prikáže stiahnúť súbor zo stránky.

dpkg --install webmin_1.991_all.deb

- Tento príkaz nám prikáže nainštalovať nainštalovaný súbor z predošlého kroku.

apt-get install perl libnet-ssleay-perl openssl libauthen-pam-perl libpam-runtime libiopty-perl apt-show-versions python unzip

- Tento príkaz nám pomôže s inštaláciou ak by boli prípadne nejaké problémy.

4. Príkazy postupne skopírujeme do zapnutého príkazového riadka. Klikneme "Enter" a začne nám inštalovať súbor.

```
[sudo] password for ubuntu:
root@ubuntu:/home/ubuntu# wget http://prdownloads.sourceforge.net/webadmin/we
bmin_1.991_all.deb
```

Reusing existing connection to prdownloads.sourceforge.net:80. HTTP request sent, awaiting response... 302 Found Location: http://deac-fra.dl.sourceforge.net/project/webadmin/webmin/1.991/we bmin_1.991_all.deb [following] --2022-04-27 07:20:34-- http://deac-fra.dl.sourceforge.net/project/webadmin/ webmin/1.991/webmin 1.991_all.deb Resolving deac-fra.dl.sourceforge.net (deac-fra.dl.sourceforge.net)... 37.203 .33.33 Connecting to deac-fra.dl.sourceforge.net (deac-fra.dl.sourceforge.net)|37.20 3.33.33|:80... connected. HTTP request sent, awaiting response... 200 OK _ength: 28345298 (27M) [application/octet-stream] Saving to: 'webmin 1.991 all.deb' /ebmin_1.991_all.de 4%[1.16M 73.8KB/s eta 11m 28s

5. Skopírujeme druhý príkaz a necháme súbor nainštalovať.

root@ubuntu:/home/ubuntu# dpkg --install webmin_1.991_all.deb

Selecting previously unselected package webmin. (Reading database ... 225781 files and directories currently installed.) Preparing to unpack webmin_1.991_all.deb ... Unpacking webmin (1.991) ...

6. Pri problémoch zadáme náš posledný príkaz a ten nám nainštaluje náš program.

root@ubuntu:/home/ubuntu# dpkg --install webmin_1.991_all.deb Selecting previously unselected package webmin. (Reading database ... 225781 files and directories currently installed.) Preparing to unpack webmin_1.991_all.deb ... Unpacking webmin (1.991) ...

7. Ak aj po tomto kroku nám vyhadzuje chyby tak napíšeme príkaz apt -fix-broken install

spýta sa nás či chceme pokračovať, klikneme na tlačidlo y



8. Po inštalácii máme aktívny Webmain.

Inštalácia DNS, LAMP a OpenSSH servera

1. Začneme prepnutím sa na druhý príkazový riadok pomocou CTRL+ALT+F1-F6

2. Prihlasime sa do príkazového riadku a zadáme do konzoly príkaz sudo -s.

```
Ubuntu 20.04.4 LTS ubuntu tty2
```

```
ubuntu login: ubuntu
Password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.4.0–109–generic x86_64)
* Documentation: https://help.ubuntu.com
* Management:
                  https://landscape.canonical.com
* Support:
                  https://ubuntu.com/advantage
 System information as of Wed 27 Apr 2022 08:10:04 AM UTC
 System load: 0.0
                                  Processes:
                                                            169
               63.3% of 13.96GB
                                  Users logged in:
 Usage of /:
                                                            1
 Memory usage: 41%
                                  IPv4 address for enp0s3: 10.0.2.15
 Swap usage:
               0%
11 updates can be applied immediately.
To see these additional updates run: apt list --upgradable
ast login: Wed Apr 27 05:29:32 UTC 2022 on tty1
ubuntu@ubuntu:~$ sudo –s
[sudo] password for ubuntu:
root@ubuntu:/home/ubuntu# _
```

3. Napíšeme príkaz **tasksel**, po zadaní príkazu sa nám otvorilo menu. V tomto menu si zvolíme medzerníkom kolonku "DNS server", "LAMP server", a "OpenSSH server". Klikneme tlačidlo "Enter" na potvrdenie výberu.



Necháme servere nainštalovať.

Retrieving file 12 of 41	Installing packages
	1%

<0k>

4. Po úspešnej inštalácii máme aktívne servere na našom počítači.

Nastavenie Bridge pripojenia

1. Začneme prihlásením do príkazového riadku a zadaním príkazu sudo -s

```
Ubuntu 20.04.4 LTS ubuntu tty3
ubuntu login: ubuntu
Password:
Login incorrect
ubuntu login: ubuntu
Password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.4.0–109–generic x86_64)
* Documentation: https://help.ubuntu.com
* Management:
                  https://landscape.canonical.com
* Support:
                  https://ubuntu.com/advantage
System information disabled due to load higher than 1.0
11 updates can be applied immediately.
To see these additional updates run: apt list --upgradable
_ast login: Wed Apr 27 08:10:05 UTC 2022 on tty2
ubuntu@ubuntu:~$ sudo –s
[sudo] password for ubuntu:
root@ubuntu:/home/ubuntu#
```

2. Nainštalujeme si Midnight commander pomocou príkazu **apt install mc**, výber potvrdím stlačením tlačidla y.

root@ubuntu:/home/ubuntu# apt install mc
Reading package lists Done
Building dependency tree
Reading state information Done
The following additional packages will be installed:
mc-data
Suggested packages:
arj catdvi texlive-binaries dbview djvulibre-bin epub–utils gv imagemagick libaspell–dev links
w3m lynx odt2txt python python−boto python−tz
The following NEW packages will be installed:
mc mc-data
0 upgraded, 2 newly installed, 0 to remove and 19 not upgraded.
Need to get 1,742 kB of archives.
After this operation, 7,718 kB of additional disk space will be used.
Do you want to continue? [Y/n] y

3. Po inštalácii si zapneme Midnight commander pomocou príkazu mc.

Left	File	Command	Opti	ons	Right				
<mark>r<−</mark> /home	/ubuntu 🚽				−.[^]>ı	r<- /home/ubuntu			τ.[^]>η
.n	Name		Size	Modify	time	.n Name	Size	Modify	time
1			UPDIR	Apr 27	05:25	1	UPDIR	Apr 27	05:25
/.cache			4096	Apr 27	07:10	/.cache	4096	Apr 27	07:10
/.config			4096	Apr 27	07:30	/.config	4096	Apr 27	07:30
/.gnupg			4096	Apr 27	06:09	/.gnupg	4096	Apr 27	06:09
/.local			4096	Apr 27	06:08	/.local	4096	Apr 27	06:08
/.mozill	a		4096	Apr 27	07:10	/.mozilla	4096	Apr 27	07:10
/.ssh			4096	Apr 27	05:26	/.ssh	4096	Apr 27	05:26
/Desktop			4096	Apr 27	08:30	/Desktop	4096	Apr 27	08:30
ZDocumen	its		4096	Apr 27	06:09	/Documents	4096	Apr 27	06:09
/Downloa	ds		4096	Apr 27	06:09	/Downloads	4096	Apr 27	06:09
/Music			4096	Apr 27	06:09	/Music	4096	Apr 27	06:09
/Picture	s		4096	Apr 27	06:09	/Pictures	4096	Apr 27	06:09
/Public			4096	Apr 27	06:09	/Public	4096	Apr 27	06:09
/Templat	es		4096	Apr 27	06:09	/Templates	4096	Apr 27	06:09
/Videos			4096	Apr 27	06:09	/Videos	4096	Apr 27	06:09
.Xautho	rity		51	Apr 27	08:29	.Xauthority	51	Apr 27	08:29
.bash_h	istory		8	Apr 27	07:43	.bash_history	8	Apr 27	07:43
.bash_1	ogout		220	Feb 25	2020	.bash_logout	220	Feb 25	2020
.bashrc			3771	Feb 25	2020	.bashrc	3771	Feb 25	2020
.profil			807	Feb 25	2020	.profile	807	Feb 25	2020
.sudo_a	s_admin_su	uccessful -	0	Apr 27	05:30	.sudo_as_admin_successful	0	Apr 27	05:30
.xsessi	on-errors		21239	Apr 27	09:03	.xsession-errors	21239	Apr 27	09:03
webmin_				Apr 18	03:58		27681K		
							1		
							1		
							1		
UPDIR						UPDIR			
			50361	4714G (35%) —		- 50361	1/14G (:	35%) —
Hint: Wan	t your pla	ain shell?	Press C	-o, and	get ba	ick to MC with C−o again.			
ro <mark>ot@ubun</mark>	tu:/home/u	ubuntu#							
1Help	2Menu	3View	4 <mark>Edit</mark>	50	ору	6 <mark>RenMov 7</mark> Mkdir 8Delete	9Pu11)n <u>10</u> Q	uit

4. Stlačíme tlačidlo "Enter" na /.. a rozklikneme si zložku /etc

5.

Left	File	Command	Optio	ns	Right						
r<- /					τ. [^]>η	rkt ZhomeZu	ubuntu —				
.n	Name		Size	Modify	time		Name		Size	Modify	time
~bin			7	Feb 23	08:49	1			UPDIR	Apr 27	05:25
/boot			4096 i	Apr 27	05:54	/.cache			4096	Apr 27	07:10
Left	File	Command	Optio	ns	Right						
r<- /etc						∣r<− /home/	ubuntu —				−. [^]>ן
.n	Name		Size	Modify	time		Name		Size	Modify	time
/ldap			4096	Feb 23	08:54	1			UPDIR	Apr 27	05:25
//libbloc	kdev		4096	Feb 23	08:53	/.cache			4096	Apr 27	07:10
//libn1-3			4096	Apr 27	05:18	/.config			4096	Apr 27	07:30
//libpape	r.d		4096	Jun 25	2019	/.gnupg			4096	Apr 27	06:09
//libreof	fice		4096	Apr 27	05:52	/.local			4096	Apr 27	06:08
//logchec	k		4096	Feb 23	08:54	/.mozilla			4096	Apr 27	07:10
//logrota	te.d		4096	Apr 27	05:52	/.ssh			4096	Apr 27	05:26
/1vm			4096	Feb 23	08:55	/Desktop			4096	Apr 27	08:30
Zmc			4096	Apr 27	09:03	/Document	s		4096	Apr 27	06:09
/mdadm			4096	Feb 23	08:54	/Download	s		4096	Apr 27	06:09
//menu-me	thods		4096	Apr 27	05:52	/Music			4096	Apr 27	06:09
//modprob	e.d		4096	Apr 27	05:51	/Pictures			4096	Apr 27	06:09
//modules	-load.d		4096	Apr 27	05:52	/Public			4096	Apr 27	06:09
∕multipa	th		4096	Apr 27	05:25	/Template	s		4096	Apr 27	06:09
/mysql			4096	Apr 27	05:49	/Videos			4096	Apr 27	06:09
/netplan			4096	Apr 27	05:17	.Xauthor	ity		51	Apr 27	08:29
∕network			4096	Apr 27	05:48	.bash_hi	story			Apr 27	07:43
∕network	d-dispatc	her	4096	Feb 23	08:50	.bash_lo	gout		220	Feb 25	2020
/newt			4096	Feb 23	08:51	.bashrc			3771	Feb 25	2020
/ofono			4096	Apr 27	05:50	.profile			807	Feb 25	2020
/opt			4096	Feb 23	08:50	.sudo_as	_admin_su	ccessful -		Apr 27	05:30
/pam.d			4096	Apr 27	07:38	.xsessio	n-errors		21239	Apr 27	09:03
/pcmcia			4096	Apr 27	05:51					Apr 18	
/perl			4096	Feb 23	08:53						
/pki			4096	Feb 23	08:53						
/pm			4096	Feb 23	08:54						
/polkit-	1		4096	Feb 23	08:54						
/pollina	te		4096	Apr 27	05:18						
/netplan						UPDIR					
			— 5036M	714G (35%) —				50361	1714G (35%) —
lint: To	look at th	ne output	ot a comm	and in	the v:	lewer, use	M— !				
root@ubun	tu:/etc#										
1Help	ZMenu	SView	4Edit	50	opy	RenMov	Mkdir	Delete	9Pull)n <mark>10</mark> Q	uit
		1 .									

Rozklikneme si zložku /netplan

6. Po rozkliknutí môžeme vidieť súbor "00-installer-config.yaml" a pomocou tlačidla F4 ho môžeme upraviť.

Left	File	Command	Opti	ons	Right							
r<- /etc/	'netplan <mark>–</mark>				−.[^]>η	rk− ZhomeZu	ıbuntu —					.[^]>-
.n	Name		Size	Modify	time	.n	Name		Size	Modi	fy	time
1			UPDIR	Apr 27	09:03	1			UPDIR	Apr	27	05:25
00-inst	aller-con	fig.yaml 👘	117	Apr 27	05:17	/.cache			4096	Apr	27	07:10
						/.config			4096	Apr	27	07:30
						/.gnupg			4096	Apr	27	06:09
						/.local			4096	Apr	27	06:08
						/.mozilla			4096	Apr	27	07:10
						Z.ssh			4096	Apr	27	05:26
						/Desktop			4096	Apr	27	08:30
						/Documents			4096	Apr	27	06:09
						/Downloads			4096	Apr	27	06:09
						/Music			4096	Apr	27	06:09
						/Pictures			4096	Apr	27	06:09
						2Dub Lio			4000	Ann	07	00.00

7. Po rozkliknutí sa nás Midnight commander spýta ktorý editor chceme použiť, zvolíme si číslo 3.



8. Po kliknutí "Enter" sa dostaneme do úprav a môžeme upraviť pripojenie

/etc/netplan/00-ins	taller-config.yaml	. []	0 L:[1+ 0	1/ 7]	*(0 /	117b) 003	5 0x023	[*] [X]
<pre>∦ This is the networ network: ethernets: enp0s3: dhcp4: true version: 2</pre>	rk config written	by 'subiqui	ty						

9. Nechceme používať DHCP a prepíšeme z "true" na "false", týmto príkazom vypneme túto funkciu



10. Napíšeme akú adresu bude mať naše zariadenie, my sme si zvolili zadanú adresu.

/etc/netplan/00-installer-config.yaml	[]	18 L:[1+ 4	5/ 10] *(104 .	/ 224b)	0010	0x00A	[*] [X]
# This is the network config written by	'subiqu	uity'							
network:									
ethermets: enn0s3:									
dhcp4: false_									
dresses: [172.22.20.3/19]									
gateway4: 172.22.2.222									
nameservers:									
auuresses: [0.0.0.0, 1.1.1.1]									

11. Zvolíme si akú bránu bude mať naše zariadenie.



12. Finálne si nastavíme DNS server, nastavíme si základný server pre prehliadač (8.8.8.8).



13. Po nastavení môžeme vyskúšať či sme správne nastavili pripojenie, najskôr aktualizujeme netplan pomocou príkazu *netplan apply* a pomocou príkazu *ifconfig* môžeme zistiť či sa nám aplikovala nami nastavená IP adresa, maska siete.

root@ubuntu:/home/ubuntu# ifconfig
enpOs3: flags=4163 <up,broadcast,running,multicast> mtu 1500</up,broadcast,running,multicast>
inet 172.22.20.3 netmask 255.255.224.0 broadcast 172.22.31.255
inet6 fe80::a00:27ff:fe7a:1fbd prefixlen 64 scopeid 0x20 <link/>
ether 08:00:27:7a:1f:bd txqueuelen 1000 (Ethernet)
RX packets 10177 bytes 11827327 (11.8 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 2834 bytes 666936 (666.9 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73 <up,loopback,running> mtu 65536</up,loopback,running>
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10 <host></host>
loop txqueuelen 1000 (Local Loopback)
RX packets 519 bytes 53697 (53.6 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 519 bytes 53697 (53.6 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

Nastavenie sieťového adaptéra vo VirtualBoxe

Vo VirtualBoxe si klikneme na nastavenie zariadenia a klikneme na tlačidlo "Network"

🕑 Uł	ountu - Settings		?	\times
	General	Network		
	System	Adapter 1 Adapter 2 Adapter 3 Adapter 4		
	Display	C Enable Network Adapter		
$\mathbf{\Sigma}$	Storage	Attached to: Bridged Adapter		
Þ	Audio	Name: Realtek PCIe GbE Family Controller Advanced		•
₽	Network			
	Serial Ports			
Ø	USB			
	Shared Folders			
	User Interface			

V prvom adaptéri si nastavíme z "NAT" na "Bridget Adapter"