NAT

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DUDANIE PULECENIA DU CKUNA	

1. Konfiguracja kart sieciowych

valid_lft forever preferred_lft forever

link/ether 08:00:27:0a:65:0f brd ff:ff:ff:ff:ff:ff

valid_lft 86400sec preferred_lft 86400sec
inet6 fe80::a00:27ff:fe0a:650f/64 scope link
valid_lft forever preferred_lft forever

fault glen 1000

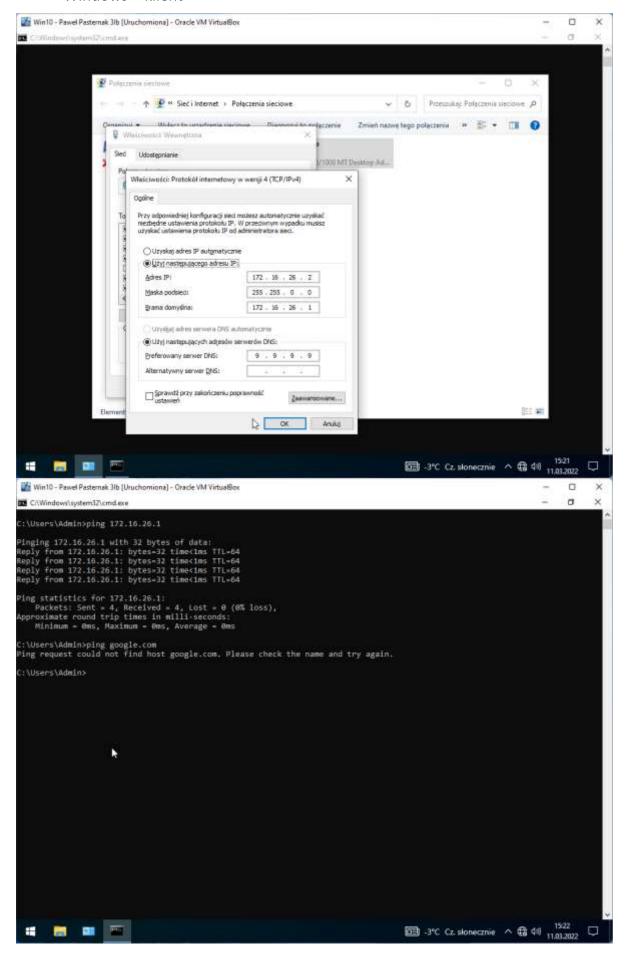
pp@custom-server:~\$

```
Linux - serwer
network:
    # Karta Bridge
    eth-bridge:
        macaddress: 08:00:27:0a:65:0f
      set-name: eth-bridge
        macaddress: 08:00:27:f4:be:dd
      set-name: eth-internal
      addresses: [172.16.26.1/24]
gateway4: 172.16.26.1
       addresses: [172.16.26:10/24]
                                                                                              Top
pp@custom-server =
pp@custom-server:~$ sudo netplan apply
pp@custom-server: * ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default glen 100
Θ
    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
       valid_lft forever preferred_lft forever
2: eth-internal: <BROADCAST, MULTICAST, UP, LOWER_UP> mtu 1500 qdisc fq_codel state UP group
default glen 1000
    link/ether 08:00:27:f4:be:dd brd ff:ff:ff:ff:ff:ff
    inet 172.16.26.1/24 brd 172.16.26.255 scope global eth-internal
    valid_lft forever preferred_lft forever inet6 fe80::a00:27ff:fef4:bedd/64 scope link
```

3: eth-bridge: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group de

inet 192.168.1.47/24 brd 192.168.1.255 scope global dynamic eth-bridge

Paweł Pasternak 3lb – NAT Windows – klient



pingowanie w sieci lokalnej działa, natomiast nie ma dostępu do internetu

2. Ustawienie NAT

Włączenie przekierowanie ramek IP

Włączenie NAT-a za pomocą iptables

Dodanie polecenia do crona

```
pp@custom-server:~ x + v - - - x

pp@custom-server:~$ sudo crontab -e
```

```
    pp@castori-server = X

# Each task to run has to be defined through a single line
 indicating with different fields when the task will be run
# and what command to run for the task
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
# For more information see the manual pages of crontab(5) and cron(8)
 m h dom mon dow command
@reboot /sbin/iptables -t nat -A POSTROUTING -o eth-bridge -j MASQUERADE
crontab.3bdHlT/crontab
                                                                             23,1
                                                                                             Bot
```