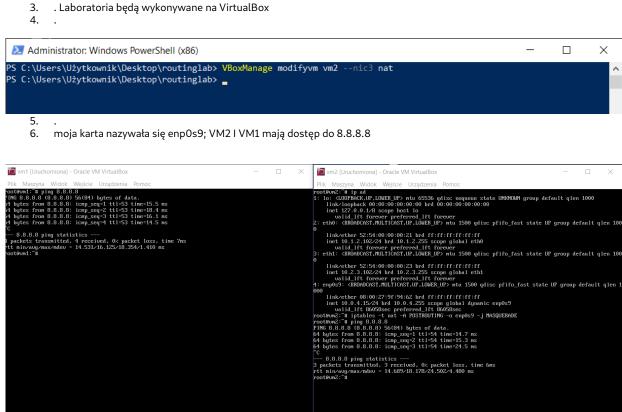
Lab 11 – Konfiguracja I zarząðzanie serwerami DHCP I DNS

Wymagania Wstępne

- 2.
- 3.



Instalacja serwera DNS

```
- \square \times
ages:
fur blicheck python-ply-doc
NEW packages will be installed:
doc bindWatis dms-root-data dnsutils libirs161 python3-ply
newly installed, 0 to remove and 27 not upgraded.
```

2 O P Control

2. .

```
Plik Maszyna Widok Wejście Urządzenia Pomoc

GNU nano 3.2

Named.conf.local

Consider adding the 1918 zones here, if they are not used in your

conganization

conganization

cone "Isaa0200.pl" {

tupe master:

file "/etc/bind/db.Isa2020.pl";

};
```

- 4. .kopia została utworzona o nazwie db.Isa2020.pl
- 5. .
 - a. .
 - b.

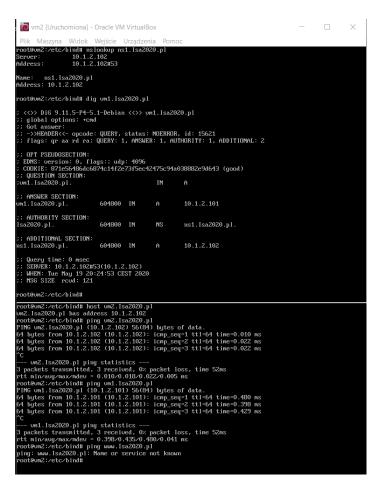
```
n vm2 [Uruchomiona] - Oracle VM VirtualBox
Plik Maszyna Widok Wejście Urządzenia Pomoc
 GNU nano 3.2
                                               db.Isa2020.pl
 BIND data file for local loopback interface
STTL
        604800
                         Isa2020.pl. root.Isa2020.pl. (
        ΙN
                SOA
                             2
                                        ; Serial
                         604800
                                         ; Refresh
                          86400
                                         : Retry
                        2419200
                                         ; Expire
                         604800 )
                                         : Negative Cache TTL
                NS
        ΙN
                        ns.Isa2020.pl.
ກຮ1
        ΙN
                Ĥ
                         10.1.2.102
                         10.1.2.102
Jm2
        ΙN
                Ĥ
                        um2.Isa2020.pl
10.1.2.101
พพพ
        ΙN
                CNAME
um1
        ΙN
```

c. .

6. Wystąpił problem o braku recordu dla ns.Isa2020.pl → literówka "ns" zamiast "ns1"

```
root@un2:/etc/bind# systemctl restart bind9
root@un2:/etc/bind# systemctl restart bind9
root@un2:/etc/bind# systemctl status bind9
l bind9.service - BIND Donain Name Server
Loaded: loaded (/lib/systemd/system/bind9.service; enabled; vendor preset: enabled)
Retive: active (runming) since Tue 2020-05-19 20:21:46 CEST; 2s ago
Docs: man:named(8)
Process: 1975 ExecStart=/usr/sbin/named $OPTIONS (code=exited, status=0/SUCCESS)
Main PID: 1976 (named)
Tasks: 4 (linit: 394)
Menory: 11.1M
CGroup: system.slice/bind9.service
L1976 /usr/sbin/named -u bind
fay 19 20:21:46 un2 named[1976]: zone 127.in-addr.arpa/lN: loaded serial 2
fay 19 20:21:46 un2 named[1976]: zone 27.in-addr.arpa/lN: loaded serial 1
fay 19 20:21:46 un2 named[1976]: zone 255.in-addr.arpa/lN: loaded serial 1
fay 19 20:21:46 un2 named[1976]: all zones loaded
fay 19 20:21:46 un2 named[1976]: zone localhost/lN: loaded serial 2
fay 19 20:21:46 un2 named[1976]: all zones loaded
fay 19 20:21:46 un2 named[1976]: cone localhost/lN: loaded serial 2
fay 19 20:21:46 un2 named[1976]: all zones loaded
fay 19 20:21:46 un2 named[1976]: cone localhost/lN: sending notifies (serial 2)
fay 19 20:21:46 un2 named[1976]: running
fay 19 20:21:46 un2 named[1976]: running
fay 19 20:21:46 un2 named[1976]: namaged-keys-zone: Key 20236 for zone . acceptance timer complete:
fay 19 20:21:46 un2 named[1976]: managed-keys-zone: Key 20236 for zone . acceptance timer complete:
fay 19 20:21:46 un2 named[1976]: managed-keys-zone: Key 20236 for zone . acceptance timer complete:
fay 19 20:21:46 un2 named[1976]: managed-keys-zone: Key 20236 for zone . acceptance timer complete:
fay 19 20:21:46 un2 named[1976]: managed-keys-zone: Key 20236 for zone . acceptance timer complete:
fay 19 20:21:46 un2 named[1976]: managed-keys-zone: Key 20236 for zone . acceptance timer complete:
fay 19 20:21:46 un2 named[1976]: managed-keys-zone: Key 20236 for zone . acceptance timer complete:
fay 19 20:21:46 un2 named[1976]: managed-keys-zone: Key 20236 for zone . acceptance timer complete:
fay 19 20:21:46 un2 named
```

- 7. ostawiono nameserver na 10.1.2.102
- Wszystkie testy wykonały się poprawnie, oprócz pingowania strony www → zabrakło "." po vm2.lsa2020.pl, po tym zaczęło
 działać



```
Vm2 [Uruchomiona] - Oracle VM VirtualBox

Plik Maszyna Widok Wejście Urządzenia Pomoc

root@um2:/etc/bind# ping www.Isa2020.pl

PlNG um2.Isa2020.pl (10.1.2.102) 56(84) bytes of data.

64 bytes from 10.1.2.102 (10.1.2.102): icmp_seq=1 ttl=64 time=0.008 ms

64 bytes from 10.1.2.102 (10.1.2.102): icmp_seq=2 ttl=64 time=0.022 ms

64 bytes from 10.1.2.102 (10.1.2.102): icmp_seq=3 ttl=64 time=0.025 ms

^C
---- um2.Isa2020.pl ping statistics ---

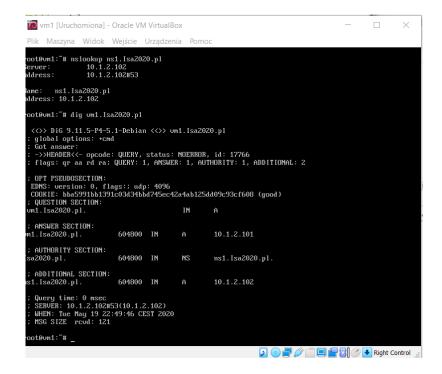
3 packets transmitted, 3 received, 0% packet loss, time 33ms

rtt min/aug/max/mdev = 0.008/0.018/0.025/0.008 ms

root@um2:/etc/bind#
```

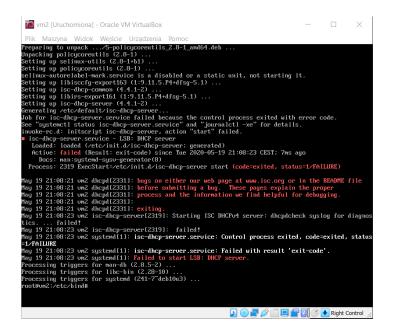
9. VM1 brakowoło pliku resolv.conf → zostało stworzone za pomocą komendy touch

```
Plik Maszyna Widok Wejście Urządzenia Pomoc
roottown:"# host unz. Isaz020.pl
moz. Isaz020.pl has address 10.1.2.102
roottown:"# ping uni. Isaz020.pl
moz. Isaz020.pl has address 10.1.2.102
roottown:"# ping uni. Isaz020.pl
Plik uni. Isaz020.p
```



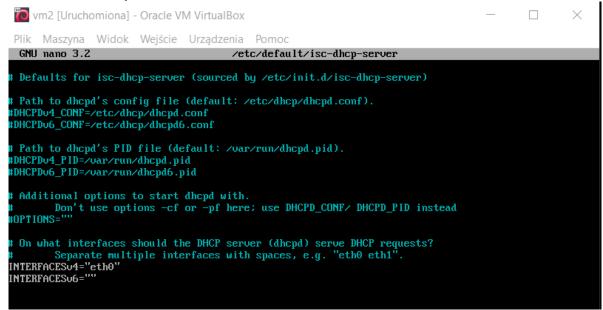
3. Instalacja serwera DHCP

1



2

a. sieć na którą zmieniłem to eth0



- 3. systemctl start isc-dhcp-server uruchomił się bez komuniaktów;
- 4. .
- 5. .

vm1 [Uruchomiona] - Oracle VM VirtualBox

Plik Maszyna Widok Wejście Urządzenia Pomoc

```
root@vm1:"# ip ad

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00 brd 00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever

2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 100

link/ether 52:54:00:00:00:12 brd ff:ff:ff:ff:
    inet 10.1.2.101/24 brd 10.1.2.255 scope global eth0
        valid_lft forever preferred_lft forever

root@vm1:"# ifdown eth0

root@vm1:"# _
```

 \square \times

6. .

