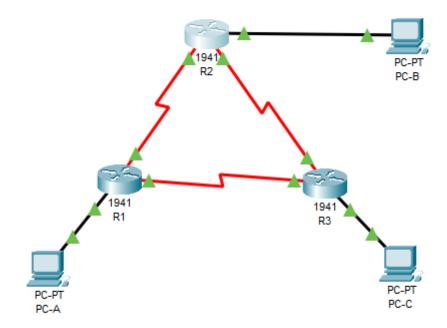
Zadanie 10.2.2.3

Piotr Boguszewski 63478 inis5_fd

Topologia sieci



R1

Device Name: R1 Device Model: 1941 Hostname: R1

Port	Link	VLAN	IP Address	IPv6 Address	MAC Address
GigabitEthernet0/0	Up		192.168.1.1/24	2001:DB8:ACAD:A::1/64	0001.C97E.BB01
GigabitEthernet0/1	Down		<not set=""></not>	<not set=""></not>	0001.C97E.BB02
Serial0/0/0	Up		192.168.12.1/30	2001:DB8:ACAD:12::1/64	<not set=""></not>
Serial0/0/1	Up		192.168.13.1/30	2001:DB8:ACAD:13::1/64	<not set=""></not>
Serial0/1/0	Down		<not set=""></not>	<not set=""></not>	<not set=""></not>
Serial0/1/1	Down		<not set=""></not>	<not set=""></not>	<not set=""></not>
Vlan1	Down	1	<not set=""></not>	<not set=""></not>	0060.2F9C.CCE0

Physical Location: Intercity > Home City > Corporate Office > Main Wiring Closet > Rack > R1

R2

Device Name: R2					
Device Model: 1941					
Hostname: R2					
Port	Link	VLAN	IP Address	IPv6 Address	MAC Address
GigabitEthernet0/0	Up		192.168.2.1/24	2001:DB8:ACAD:B::2/64	000C.CF9B.5C01
GigabitEthernet0/1	Down		<not set=""></not>	<not set=""></not>	000C.CF9B.5C02
Serial0/0/0	Up		192.168.12.2/30	2001:DB8:ACAD:12::2/64	<not set=""></not>
SerialO/O/1	Up		192.168.23.1/30	2001:DB8:ACAD:23::2/64	<not set=""></not>
Vlan1	Down	1	<not set=""></not>	<not set=""></not>	0001.43D1.E652

Device Name: R3 Device Model: 1941 Hostname: R3

Link VLAN IP Address GigabitEthernet0/0 Up ----GigabitEthernet0/1 Down Up

> Up Down

IPv6 Address 2001:DB8:ACAD:C::3/64 192.168.3.1/24 <not set> 192.168.13.2/30 192.168.23.2/30

<not set>

<not set> 2001:DB8:ACAD:13::3/64 2001:DB8:ACAD:23::3/64 <not set>

00E0.8FC3.9B01 00E0.8FC3.9B02 <not set> <not set>

MAC Address

Physical Location: Intercity > Home City > Corporate Office > Main Wiring Closet > Rack > R3

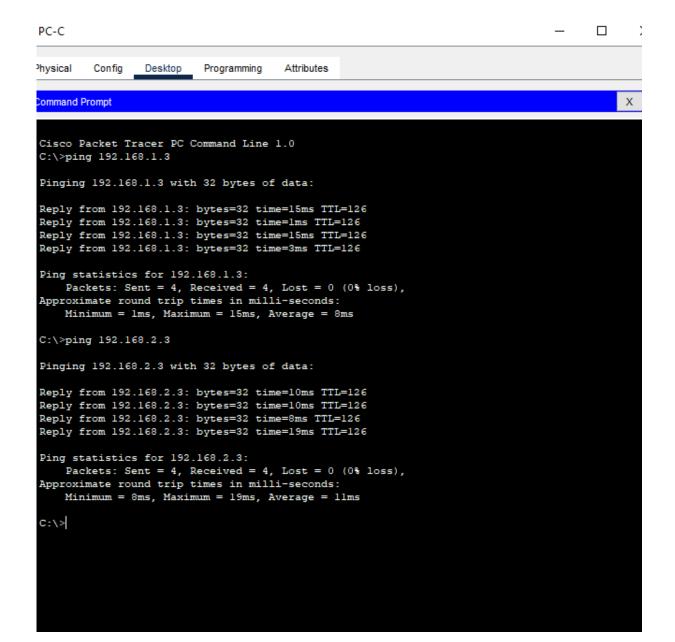
Pingi po ip v4

Serial0/0/0

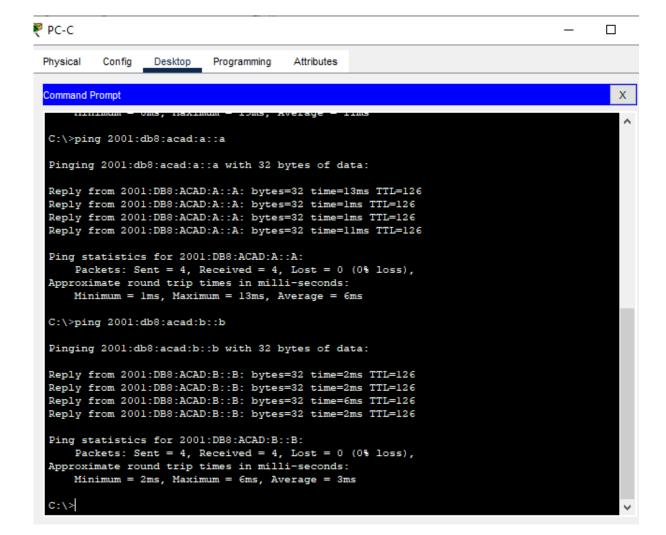
SerialO/0/1

```
PC-A
                                                                                      hysical
        Config
                Desktop
                         Programming
                                      Attributes
ommand Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.3
Pinging 192.168.2.3 with 32 bytes of data:
Request timed out.
Reply from 192.168.2.3: bytes=32 time=15ms TTL=126
Reply from 192.168.2.3: bytes=32 time=12ms TTL=126
Reply from 192.168.2.3: bytes=32 time=7ms TTL=126
Ping statistics for 192.168.2.3:
   Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
   Minimum = 7ms, Maximum = 15ms, Average = 11ms
C:\>ping 192.168.3.3
Pinging 192.168.3.3 with 32 bytes of data:
Request timed out.
Reply from 192.168.3.3: bytes=32 time=10ms TTL=126
Reply from 192.168.3.3: bytes=32 time=8ms TTL=126
Reply from 192.168.3.3: bytes=32 time=23ms TTL=126
Ping statistics for 192.168.3.3:
   Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
   Minimum = 8ms, Maximum = 23ms, Average = 13ms
C:\>
```

```
PC-B
                                                                                           Physical
         Config
                 Desktop
                          Programming
                                        Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.3
Pinging 192.168.1.3 with 32 bytes of data:
Reply from 192.168.1.3: bytes=32 time=14ms TTL=126 Reply from 192.168.1.3: bytes=32 time=1ms TTL=126
Reply from 192.168.1.3: bytes=32 time=10ms TTL=126
Reply from 192.168.1.3: bytes=32 time=3ms TTL=126
Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 14ms, Average = 7ms
C:\>ping 192.168.3.3
Pinging 192.168.3.3 with 32 bytes of data:
Reply from 192.168.3.3: bytes=32 time=15ms TTL=126
Reply from 192.168.3.3: bytes=32 time=8ms TTL=126
Reply from 192.168.3.3: bytes=32 time=1ms TTL=126
Reply from 192.168.3.3: bytes=32 time=9ms TTL=126
Ping statistics for 192.168.3.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 15ms, Average = 8ms
C:\>
```

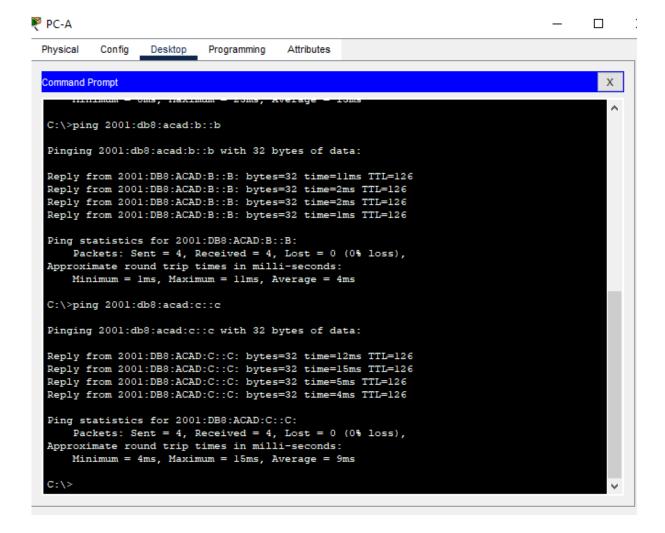


Pingi po ip v6



♥ PC-B — □

```
Command Prompt
                                                                                                                     Х
C:\>ping 2001:db8:acad:a::a
Pinging 2001:db8:acad:a::a with 32 bytes of data:
Reply from 2001:DB8:ACAD:A::A: bytes=32 time=17ms TTL=126
Reply from 2001:DB8:ACAD:A::A: bytes=32 time=lms TTL=126 Reply from 2001:DB8:ACAD:A::A: bytes=32 time=lms TTL=126 Reply from 2001:DB8:ACAD:A::A: bytes=32 time=lms TTL=126
Ping statistics for 2001:DB8:ACAD:A::A:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
     Minimum = 1ms, Maximum = 17ms, Average = 5ms
C:\>ping 2001:db8:acad:c::c
Pinging 2001:db8:acad:c::c with 32 bytes of data:
Reply from 2001:DB8:ACAD:C::C: bytes=32 time=15ms TTL=126
Reply from 2001:DB8:ACAD:C::C: bytes=32 time=1ms TTL=126 Reply from 2001:DB8:ACAD:C::C: bytes=32 time=14ms TTL=126
Reply from 2001:DB8:ACAD:C::C: bytes=32 time=8ms TTL=126
Ping statistics for 2001:DB8:ACAD:C::C:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
     Minimum = 1ms, Maximum = 15ms, Average = 9ms
C:\>
```



Podsumowanie

Konfiguracja routingu za pomocą protokołów OSPF jest stosunkowo prosta, jednak istotne jest zwrócenie uwagi na subtelne różnice między OSPFv2 a OSPFv3 podczas ich implementacji.