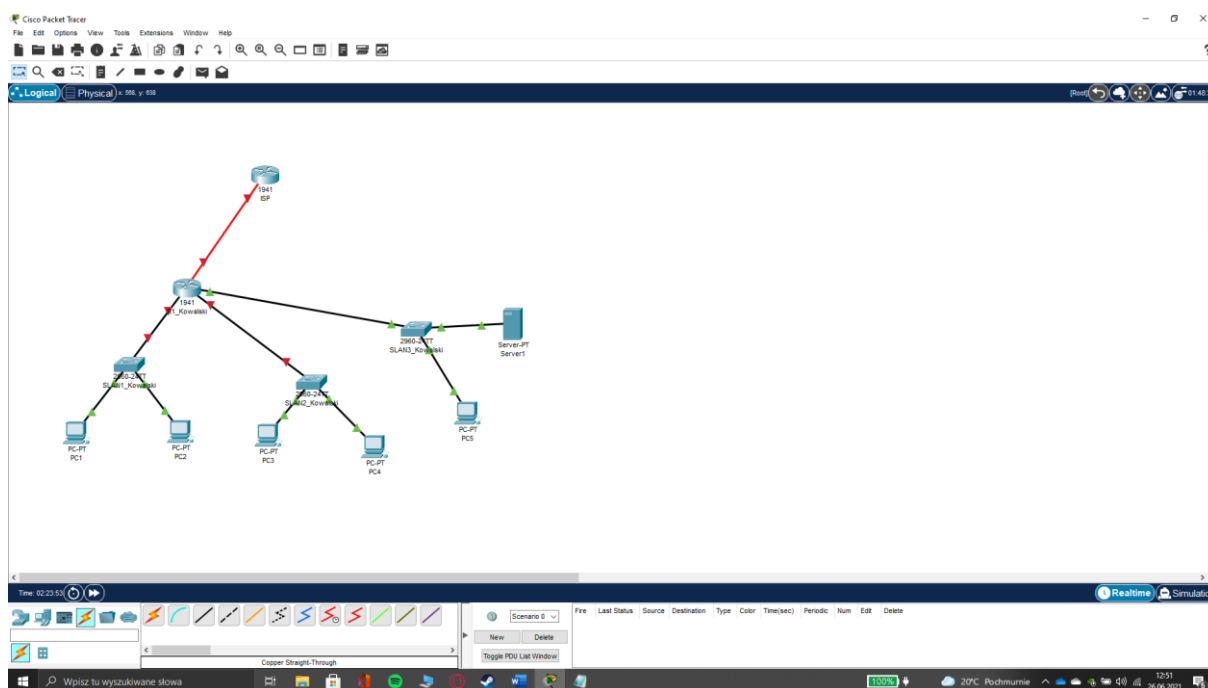


Nazwa sieci lokalnej	Przydzielona pula adresowa IPv4
SLAN1	155.21.22.0/24
SLAN2	155.21.23.0/25
SLAN3	155.21.23.128/25

Nazwa sieci lokalnej	Przydzielona pula adresowa IPv6
SLAN1	2001:ACAD:A:0000/64
SLAN2	2001:ACAD:A:0001/64
SLAN3	2001:ACAD:A:0001/64

Urządzenie	Interfejs	Adres IPv4	Maska podsieci	Adres IPv4 bramy domyślnej
R1	G0/0	155.21.22.1	255.255.255.0	155.21.1.1
	G0/1	155.21.23.1	255.255.255.128	155.21.1.1
	G0/0/0	155.21.1.2	255.255.255.252	155.21.1.1
	F0/1/0	155.21.23.129	255.255.255.128	155.21.1.1
SLAN1	VLAN1	155.21.22.2	255.255.255.0	155.21.22.1
SLAN2	VLAN1	155.21.23.2	255.255.255.128	155.21.23.1
SLAN3	VLAN1	155.21.23.130	255.255.255.128	155.21.23.129
PC1	Interfejs sieciowy	155.21.22.3	255.255.255.0	155.21.22.1
PC2	Interfejs sieciowy	155.21.22.4	255.255.255.0	155.21.22.1
PC3	Interfejs sieciowy	155.21.23.3	255.255.255.128	155.21.23.1
PC4	Interfejs sieciowy	155.21.23.4	255.255.255.128	155.21.23.1
PC5	Interfejs sieciowy	155.21.23.131	255.255.255.128	155.21.23.129
Server1	Interfejs sieciowy	155.21.23.254	255.255.255.128	155.21.23.129

Urządzenie	Interfejs	Adres IPv6	Prefix	Adres IPv6 bramy domyślnej
R1	G0/0	2001:ACAD:A:0000:A::0	64	2001:ACAD:B:1::1
	G0/1	2001:ACAD:A:0001:A::0	64	2001:ACAD:B:1::1
	G0/0/0	2001:ACAD:B:1::2	64	2001:ACAD:B:1::1
	F0/1/0	2001:ACAD:A:2:B::	64	2001:ACAD:B:1::1
Server1	Interfejs sieciowy	2001:ACAD:A:2:B::	64	2001:ACAD:A:2:A::



Konfiguracja ISP:

```
Physical Config CLI Attributes
```

```
IOS Command Line Interface
```

```
Press RETURN to get started!
```

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname ISP
ISP(config)#interface g0/0/0
ISP(config-if)#ip address 192.168.21.1 255.255.255.252
ISP(config-if)#ip route 2001::ACAD:B:1:1/64
ISP(config-if)#no shutdown

ALINK-S-CHANGED: Interface GigabitEthernet0/0/0, changed state to down
ISP(config-if)#interface loopback0
ISP(config-if)#
ISP(config-if)# interface Loopback0, changed state to up
ALINK-S-CHANGED: Interface Loopback0, changed state to up

ALINKPROTO-S-UPDOWN: Line protocol on Interface Loopback0, changed state to up

ISP(config-if)#ip address 80.1.1.1 255.255.255.255
ISP(config-if)#ipmt address 2001::80:stad:1:/64
ISP(config-if)#no shutdown
ISP(config-if)#ip route 192.21.22.0 255.255.254.0 192.21.1.2
ISP(config-if)#ip route 2001::ACAD:A:/:48 2001::ACAD:B:1:1/64
ISP(config-if)#end
ISP#
Alink-S-COMPLO_I Configured from console by console

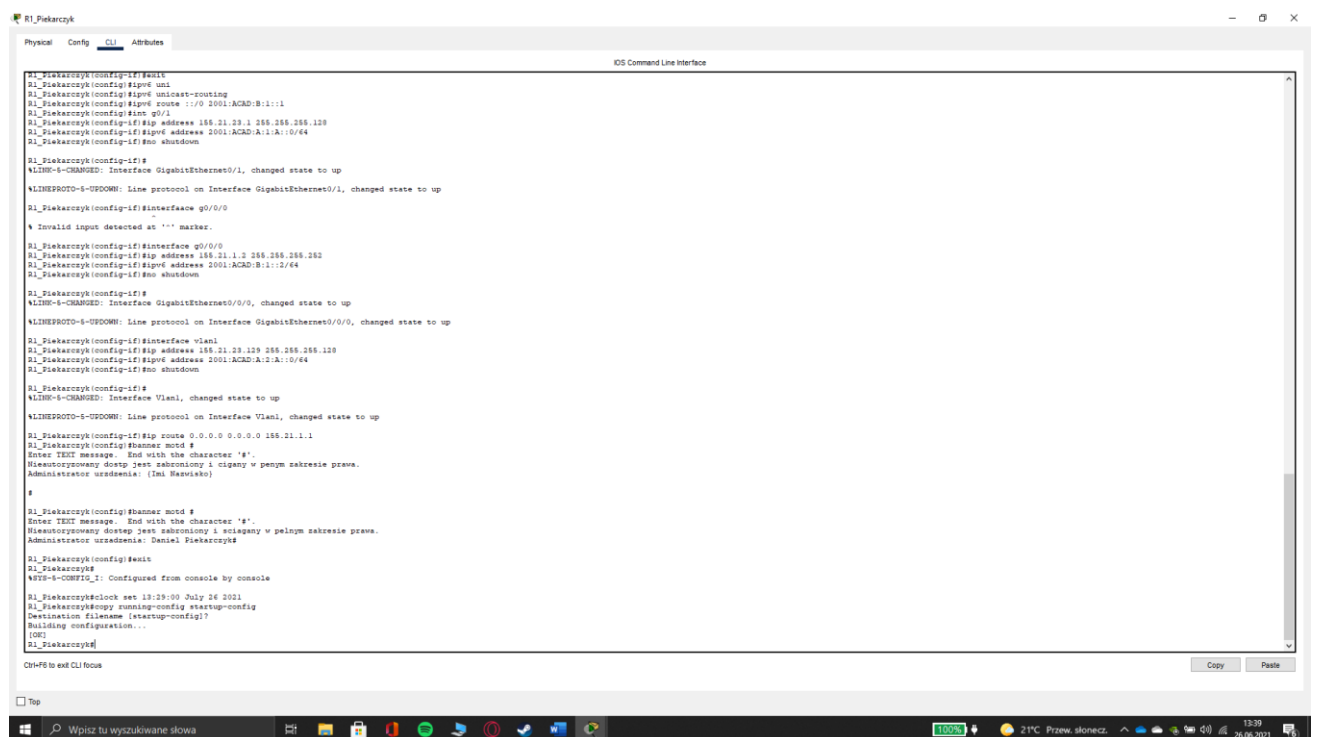
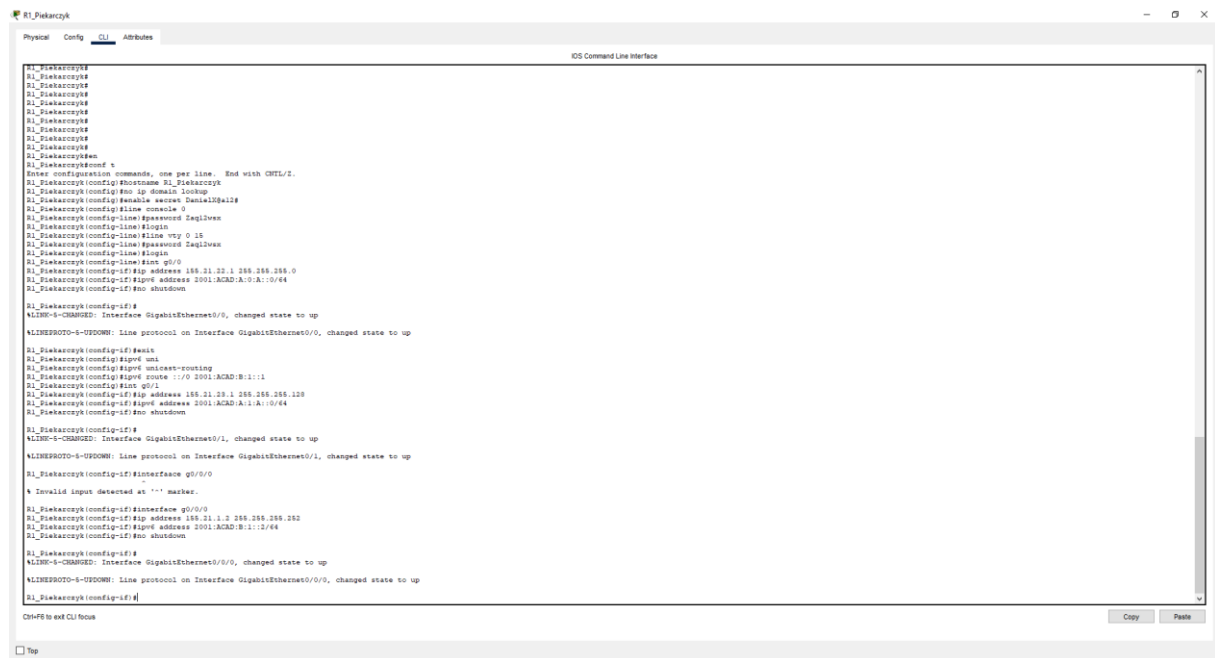
ISP#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
ISP#
ISP#
```

```
ISP rom0 is now available.
```

```
Press RETURN to get started.
```

```
Ctrl-F to exit CLI focus
```

Konfiguracja R1:



SAIAN_Piekarczyk

Physical Config CLI Attributes

IOS Command Line Interface

```

Switch>
Switch>
Switch>enable
Switch#hostname SAIAN_Piekarczyk

% Invalid input detected at '' marker.

Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SAIAN_Piekarczyk
SAIAN_Piekarczyk(config)#enable secret 5cencalX9a1z
SAIAN_Piekarczyk(config)#line vty 0 15
SAIAN_Piekarczyk(config-line)#password 5ag1wne
SAIAN_Piekarczyk(config-line)#login
SAIAN_Piekarczyk(config-line)#line console 0
SAIAN_Piekarczyk(config-line)#password 5ag1wne
SAIAN_Piekarczyk(config-line)#login
SAIAN_Piekarczyk(config-line)#interface Vlan1
SAIAN_Piekarczyk(config-if)#ip address 196.21.22.2 255.255.255.0
SAIAN_Piekarczyk(config-if)#no shutdown

SAIAN_Piekarczyk(config-if)#
%LINK-6-CHANGED: Interface Vlan1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

SAIAN_Piekarczyk(config-if)#ip route 0.0.0.0 0.0.0.0 196.21.22.1
%
% Invalid input detected at '' marker.

SAIAN_Piekarczyk(config-if)#ip route 0.0.0.0 0.0.0.0 196.21.22.2
%
% Invalid input detected at '' marker.

SAIAN_Piekarczyk(config-if)#ip def?
% Unrecognized command
SAIAN_Piekarczyk(config-if)#ip defa?
% Unrecognized command
SAIAN_Piekarczyk(config-if)#ip defa s?
% Unrecognized command
SAIAN_Piekarczyk(config-if)#

SAIAN_Piekarczyk conf is now available

Press RETURN to get started.

Ctrl-C to exit CLI/Show

```

Copy Paste

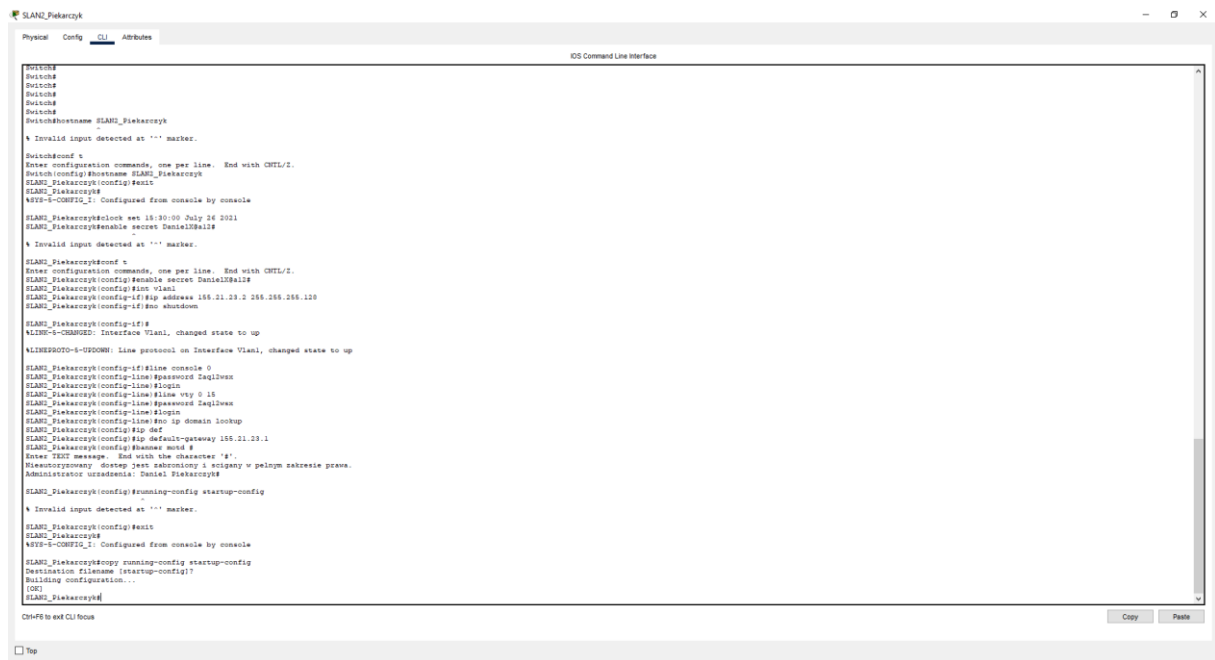
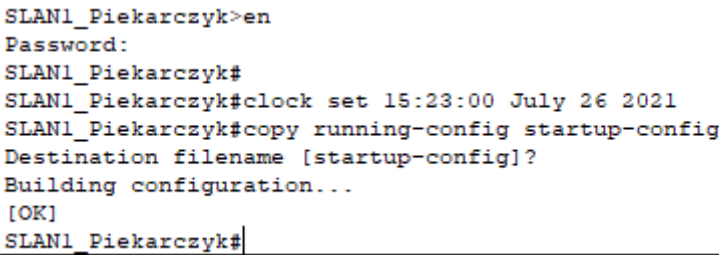
Wpisz to wyszukiwane słowa

23°C

Cz. słonecznie

14:59

16.06.2021



Konfiguracja S3:

SLAN2_Piekarczyk

Physical Config CLI Attributes

IOS Command Line Interface

```
ALINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to up
ALINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
ALINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
ALINK-5-UPDOWN: Interface FastEthernet0/12, changed state to down
ALINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/22, changed state to up
ALINK-5-CHANGED: Interface FastEthernet0/22, changed state to up
ALINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/22, changed state to up

Switch>
Switch>en
Switch>conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SLAN2_Piekarczyk
SLAN2_Piekarczyk(config)#enable
SLAN2_Piekarczyk#
SLAN2_Piekarczyk#clock set 15:46:00 July 24 2021
SLAN2_Piekarczyk#conf t
Enter configuration commands, one per line. End with CNTL/Z.
SLAN2_Piekarczyk(config)#enable secret Daniel98a12$
SLAN2_Piekarczyk(config)#ip vlan
SLAN2_Piekarczyk(config-if)#ip address 156.21.23.130 255.255.255.128
SLAN2_Piekarczyk(config-if)#no shutdown
SLAN2_Piekarczyk(config-if)#
ALINK-5-CHANGED: Interface Vlan1, changed state to up
ALINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

SLAN2_Piekarczyk(config-if)#line console 0
SLAN2_Piekarczyk(config-line)#password Zaq12w$
SLAN2_Piekarczyk(config-line)#login
SLAN2_Piekarczyk(config-line)#line vty 0 15
SLAN2_Piekarczyk(config-line)#password Zaq12w$
SLAN2_Piekarczyk(config-line)#login
SLAN2_Piekarczyk(config-line)#no ip domain lookup
SLAN2_Piekarczyk(config)#end
SLAN2_Piekarczyk(config)#ip default-gateway 156.21.23.129
SLAN2_Piekarczyk(config)#router ospf 9
Enter TEXT message. End with the character 's'.
R1>show ip ospf neighbor
R1>show ip ospf neighbor
Administrator: Daniel Piekarczyk

SLAN2_Piekarczyk(config)#exit
SLAN2_Piekarczyk#
SLAN2_Piekarczyk#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
SLAN2_Piekarczyk#
```

CHAFE to exit CLI focus

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical 271 v 43

Time: 05:18:24

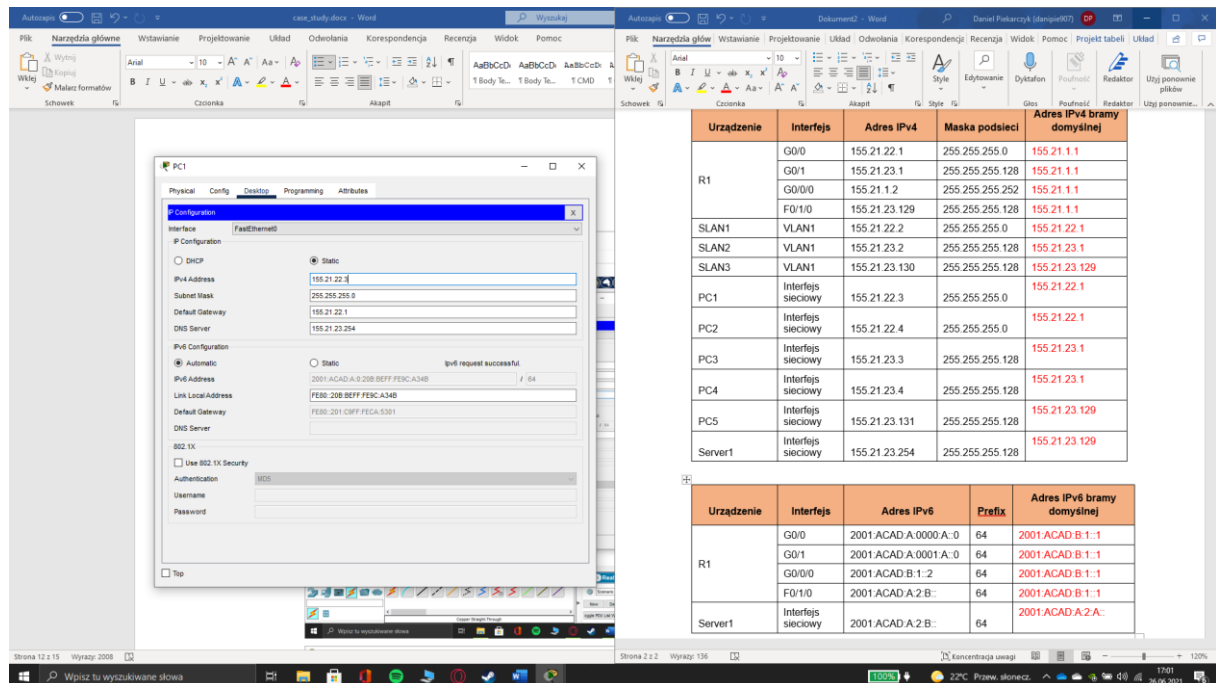
Scenario 0

File Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Copper Straight-Through

Toggle PCU Link Window

Skonfigurowanie adresowania IPv4 dla wszystkich pozostałych urządzeń dostępowych oraz ustawienie serwera DNS na adres IPv4 Serwer1:



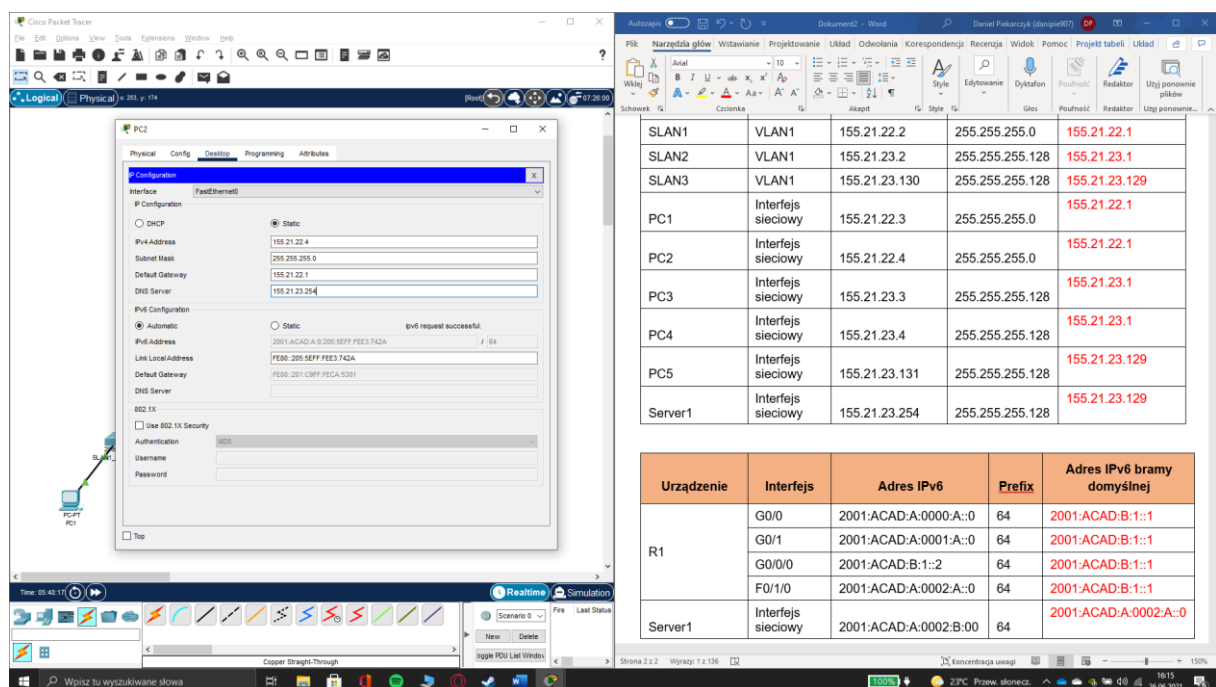
The screenshot shows the Cisco Packet Tracer interface with the configuration window for PC1. The IP Configuration tab is active, showing the following settings:

- Interface: FastEthernet0
- IP Configuration: Static
- IPv4 Address: 155.21.22.1
- Subnet Mask: 255.255.255.0
- Default Gateway: 155.21.22.1
- DNS Server: 155.21.23.254
- IPv6 Configuration: Automatic
- IPv6 Address: 2001:ACAD:A:0:208:BEFF:FEC:A34B
- Link Local Address: FE80:208:BEFF:FEC:A34B
- Default Gateway: FE80:201:01FF:FECA:5301
- DNS Server: FE80:201:01FF:FECA:5301
- 802.1X: Not configured
- Use 802.1X Security: Not checked
- Authentication: Not configured
- Username: Not configured
- Password: Not configured

Below the configuration window, two tables provide the IPv4 and IPv6 address assignments for various devices in the network:

Urządzenie	Interfejs	Adres IPv4	Maska podsięci	Adres IPv4 bramy domyślnej
R1	G0/0	155.21.22.1	255.255.255.0	155.21.1.1
	G0/1	155.21.23.1	255.255.255.128	155.21.1.1
	G0/0/0	155.21.1.2	255.255.255.252	155.21.1.1
	F0/1/0	155.21.23.129	255.255.255.128	155.21.1.1
	VLAN1	155.21.22.2	255.255.255.0	155.21.22.1
SLAN1	VLAN1	155.21.23.2	255.255.255.128	155.21.23.1
SLAN2	VLAN1	155.21.23.2	255.255.255.128	155.21.23.1
SLAN3	VLAN1	155.21.23.130	255.255.255.128	155.21.23.129
PC1	Interfejs sieciowy	155.21.22.3	255.255.255.0	155.21.22.1
PC2	Interfejs sieciowy	155.21.22.4	255.255.255.0	155.21.23.1
PC3	Interfejs sieciowy	155.21.23.3	255.255.255.128	155.21.23.1
PC4	Interfejs sieciowy	155.21.23.4	255.255.255.128	155.21.23.1
PC5	Interfejs sieciowy	155.21.23.131	255.255.255.128	155.21.23.129
Server1	Interfejs sieciowy	155.21.23.254	255.255.255.128	155.21.23.129

Urządzenie	Interfejs	Adres IPv6	Prefix	Adres IPv6 bramy domyślnej
R1	G0/0	2001:ACAD:A:0000:A::0	64	2001:ACAD:B:1::1
	G0/1	2001:ACAD:A:0001:A::0	64	2001:ACAD:B:1::1
	G0/0/0	2001:ACAD:B:1:2	64	2001:ACAD:B:1::1
	F0/1/0	2001:ACAD:A:2:B::	64	2001:ACAD:B:1::1
	Interfejs sieciowy	2001:ACAD:A:2:B::	64	2001:ACAD:A:2:B::



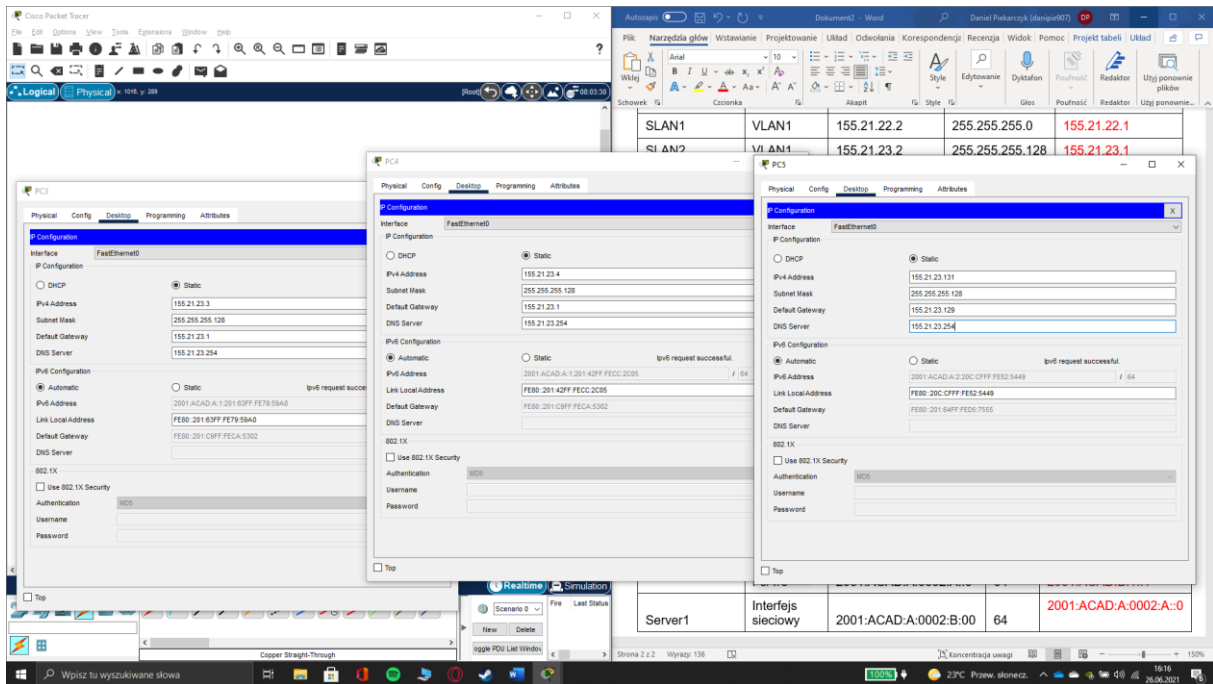
The screenshot shows the Cisco Packet Tracer interface with the configuration window for PC2. The IP Configuration tab is active, showing the following settings:

- Interface: FastEthernet0
- IP Configuration: Static
- IPv4 Address: 155.21.22.4
- Subnet Mask: 255.255.255.0
- Default Gateway: 155.21.22.1
- DNS Server: 155.21.23.254
- IPv6 Configuration: Automatic
- IPv6 Address: 2001:ACAD:A:0:205:SEFF:FEE3:7A2A
- Link Local Address: FE80:205:SEFF:FEE3:7A2A
- Default Gateway: FE80:201:01FF:FECA:5301
- DNS Server: FE80:201:01FF:FECA:5301
- 802.1X: Not configured
- Use 802.1X Security: Not checked
- Authentication: Not configured
- Username: Not configured
- Password: Not configured

Below the configuration window, two tables provide the IPv4 and IPv6 address assignments for various devices in the network:

Urządzenie	Interfejs	Adres IPv4	Maska podsięci	Adres IPv4 bramy domyślnej
SLAN1	VLAN1	155.21.22.2	255.255.255.0	155.21.22.1
SLAN2	VLAN1	155.21.23.2	255.255.255.128	155.21.23.1
SLAN3	VLAN1	155.21.23.130	255.255.255.128	155.21.23.129
PC1	Interfejs sieciowy	155.21.22.3	255.255.255.0	155.21.22.1
PC2	Interfejs sieciowy	155.21.22.4	255.255.255.0	155.21.22.1
PC3	Interfejs sieciowy	155.21.23.3	255.255.255.128	155.21.23.1
PC4	Interfejs sieciowy	155.21.23.4	255.255.255.128	155.21.23.1
PC5	Interfejs sieciowy	155.21.23.131	255.255.255.128	155.21.23.129
Server1	Interfejs sieciowy	155.21.23.254	255.255.255.128	155.21.23.129

Urządzenie	Interfejs	Adres IPv6	Prefix	Adres IPv6 bramy domyślnej
R1	G0/0	2001:ACAD:A:0000:A::0	64	2001:ACAD:B:1::1
	G0/1	2001:ACAD:A:0001:A::0	64	2001:ACAD:B:1::1
	G0/0/0	2001:ACAD:B:1:2	64	2001:ACAD:B:1::1
	F0/1/0	2001:ACAD:A:0002:A::0	64	2001:ACAD:B:1::1
	Interfejs sieciowy	2001:ACAD:A:0002:B:00	64	2001:ACAD:A:0002:A::0

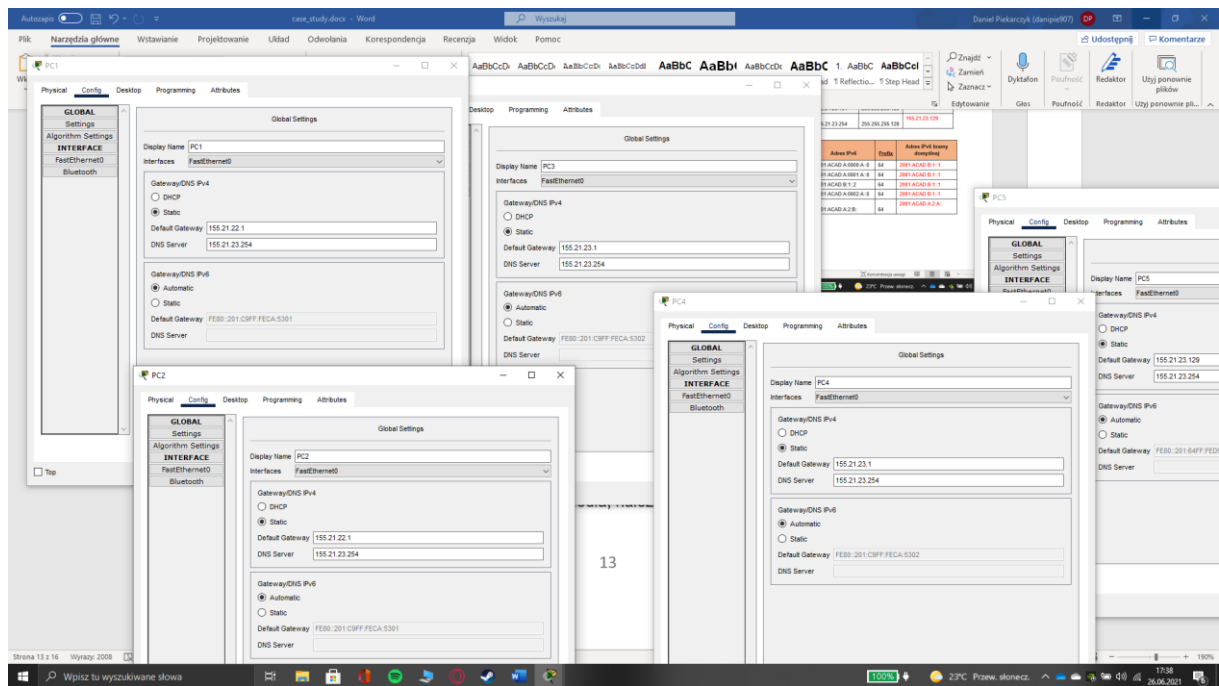


Skonfigurowanie Serwera1:

Urządzenie	Interfejs	Adres IPv4	Maska podsiatki	Adres IPv4 bramy domyślnej
R1	G0/0	155.21.22.1	255.255.255.0	155.21.1.1
	G0/1	155.21.23.1	255.255.255.128	155.21.1.1
	G0/0/0	155.21.1.2	255.255.255.252	155.21.1.1
	F0/1/0	155.21.23.129	255.255.255.128	155.21.1.1
SLAN1	VLAN1	155.21.22.2	255.255.255.0	155.21.22.1
SLAN2	VLAN1	155.21.23.2	255.255.255.128	155.21.23.1
SLAN3	VLAN1	155.21.23.130	255.255.255.128	155.21.23.129
PC1	Interfejs sieciowy	155.21.22.3	255.255.255.0	155.21.22.1
PC2	Interfejs sieciowy	155.21.22.4	255.255.255.0	155.21.22.1
PC3	Interfejs sieciowy	155.21.23.3	255.255.255.128	155.21.23.1
PC4	Interfejs sieciowy	155.21.23.4	255.255.255.128	155.21.23.1
PC5	Interfejs sieciowy	155.21.23.131	255.255.255.128	155.21.23.129
Server1	Interfejs sieciowy	155.21.23.254	255.255.255.128	155.21.23.129

Urządzenie	Interfejs	Adres IPv6	Prefiks	Adres IPv6 bramy domyślnej
R1	G0/0	2001:ACAD:A:0000:A::0	64	2001:ACAD:B:1:1
	G0/1	2001:ACAD:A:0001:A::0	64	2001:ACAD:B:1:1
	G0/0/0	2001:ACAD:B:1:2	64	2001:ACAD:B:1:1
	F0/1/0	2001:ACAD:A:0002:A::0	64	2001:ACAD:B:1:1
Server1	Interfejs sieciowy	2001:ACAD:A:2:B::	64	2001:ACAD:A:2:A::

- Uruchomić automatyczne pobieranie danych adresowych IPv6 z wykorzystaniem mechanizmu SLAAC dla wszystkich urządzeń dostępowych PC (i zweryfikować prawidłowość pobrania odpowiednich danych adresowych przez każdy komputer, a jeżeli się nie powiodło, należy znaleźć i naprawić problem), jak również ręcznie przypisać zaprojektowany wcześniej statyczny adres IPv6 do serwera **Server1**



Sprawdzenie pingów PC1 i PC3:

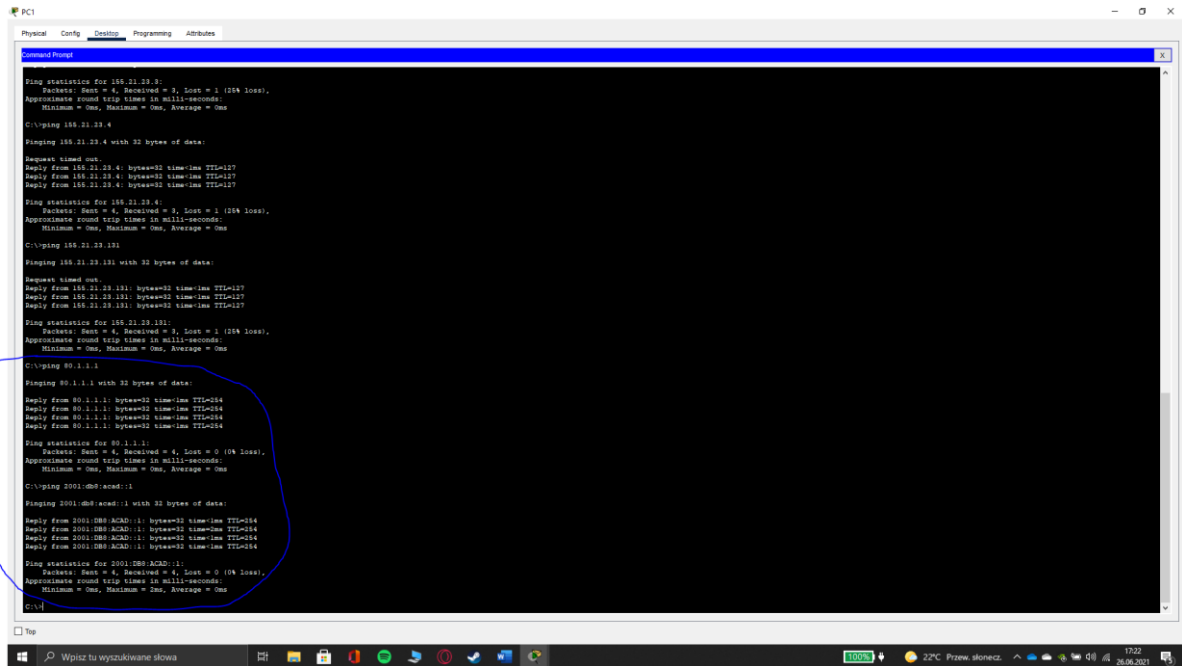
The screenshot shows the PC1 configuration window with the 'Config' tab selected. The 'Command Prompt' window displays the results of a series of ping tests. The tests show that PC1 can successfully ping 155.21.22.4, 155.21.23.3, and 155.21.23.131, but it fails to ping 155.21.23.4 (Request timed out) and 155.21.23.131 (Request timed out). The 'Interfejsy' tab shows the configuration for the interfaces: G0/0, G0/1, G0/0/0, F0/1/0, SLAN1, SLAN2, SLAN3, PC1, PC2, PC3, PC4, PC5, and Server1. The 'Adres IPv4' and 'Maska podsiéci' columns are filled with the respective IP addresses and masks. The 'Adres IPv4 bramy domysnej' column is filled with the default gateway addresses.

Urządzenie	Interfejs	Adres IPv4	Maska podsiéci	Adres IPv4 bramy domysnej
R1	G0/0	155.21.22.1	255.255.255.0	155.21.1.1
	G0/1	155.21.23.1	255.255.255.128	155.21.1.1
	G0/0/0	155.21.1.2	255.255.255.252	155.21.1.1
	F0/1/0	155.21.23.129	255.255.255.128	155.21.1.1
	SLAN1	155.21.22.2	255.255.255.0	155.21.22.1
SLAN2	VLAN1	155.21.23.2	255.255.255.128	155.21.23.1
SLAN3	VLAN1	155.21.23.130	255.255.255.128	155.21.23.129
PC1	Interfejs sieciowy	155.21.22.3	255.255.255.0	155.21.22.1
PC2	Interfejs sieciowy	155.21.22.4	255.255.255.0	155.21.23.1
PC3	Interfejs sieciowy	155.21.23.3	255.255.255.128	155.21.23.1
PC4	Interfejs sieciowy	155.21.23.4	255.255.255.128	155.21.23.129
PC5	Interfejs sieciowy	155.21.23.131	255.255.255.128	155.21.23.129
Server1	Interfejs sieciowy	155.21.23.254	255.255.255.128	155.21.23.129

The screenshot shows the PC1 configuration window with the 'Config' tab selected. The 'Command Prompt' window displays the results of a series of ping tests. The tests show that PC1 can successfully ping 155.21.22.3, 155.21.23.3, and 155.21.23.131, but it fails to ping 155.21.22.4 (Request timed out) and 155.21.23.4 (Request timed out). The 'Interfejsy' tab shows the configuration for the interfaces: G0/0, G0/1, G0/0/0, F0/1/0, SLAN1, SLAN2, SLAN3, PC1, PC2, PC3, PC4, PC5, and Server1. The 'Adres IPv4' and 'Maska podsiéci' columns are filled with the respective IP addresses and masks. The 'Adres IPv4 bramy domysnej' column is filled with the default gateway addresses.

Urządzenie	Interfejs	Adres IPv4	Maska podsiéci	Adres IPv4 bramy domysnej
R1	G0/0	155.21.22.1	255.255.255.0	155.21.1.1
	G0/1	155.21.23.1	255.255.255.128	155.21.1.1
	G0/0/0	155.21.1.2	255.255.255.252	155.21.1.1
	F0/1/0	155.21.23.129	255.255.255.128	155.21.1.1
	SLAN1	155.21.22.2	255.255.255.0	155.21.22.1
SLAN2	VLAN1	155.21.23.2	255.255.255.128	155.21.23.1
SLAN3	VLAN1	155.21.23.130	255.255.255.128	155.21.23.129
PC1	Interfejs sieciowy	155.21.22.3	255.255.255.0	155.21.22.1
PC2	Interfejs sieciowy	155.21.22.4	255.255.255.0	155.21.23.1
PC3	Interfejs sieciowy	155.21.23.3	255.255.255.128	155.21.23.1
PC4	Interfejs sieciowy	155.21.23.4	255.255.255.128	155.21.23.129
PC5	Interfejs sieciowy	155.21.23.131	255.255.255.128	155.21.23.129
Server1	Interfejs sieciowy	155.21.23.254	255.255.255.128	155.21.23.129

Sprawdzenie czy możliwa jest komunikacja przez sieć komputerową z adresami IP: 80.1.1.1 oraz 2001:db8:acad::1



```
PC1
Physical Config Desktop Programming Attributes
Command Prompt

Ping statistics for 155.21.23.3:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 155.21.23.4

Pinging 155.21.23.4 with 32 bytes of data:
Request timed out.
Reply from 155.21.23.4: bytes=32 time=1ms TTL=127
Reply from 155.21.23.4: bytes=32 time=1ms TTL=127
Reply from 155.21.23.4: bytes=32 time=1ms TTL=127

Ping statistics for 155.21.23.4:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 155.21.23.131

Pinging 155.21.23.131 with 32 bytes of data:
Request timed out.
Reply from 155.21.23.131: bytes=32 time=1ms TTL=127
Reply from 155.21.23.131: bytes=32 time=1ms TTL=127
Reply from 155.21.23.131: bytes=32 time=1ms TTL=127

Ping statistics for 155.21.23.131:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 80.1.1.1

Pinging 80.1.1.1 with 32 bytes of data:
Reply from 80.1.1.1: bytes=32 time=1ms TTL=64
Reply from 80.1.1.1: bytes=32 time=1ms TTL=64
Reply from 80.1.1.1: bytes=32 time=1ms TTL=64
Reply from 80.1.1.1: bytes=32 time=1ms TTL=64

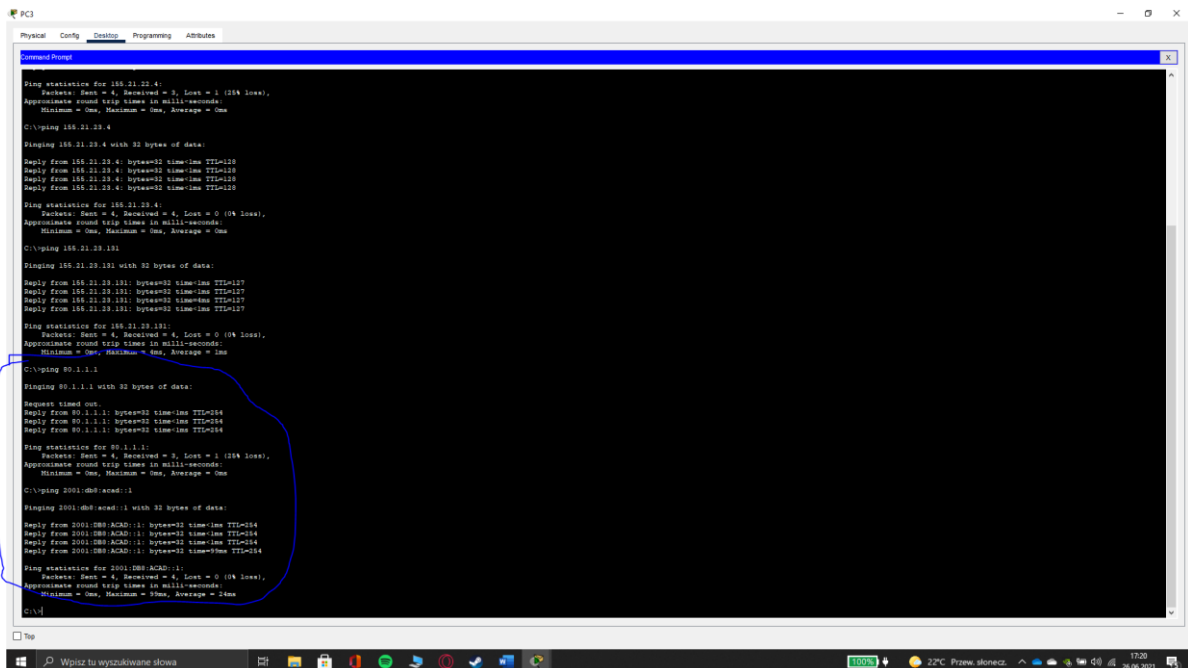
Ping statistics for 80.1.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 2001:db8:acad::1

Pinging 2001:db8:acad::1 with 32 bytes of data:
Reply from 2001:db8:acad::1: bytes=32 time=1ms TTL=64
Reply from 2001:db8:acad::1: bytes=32 time=1ms TTL=64
Reply from 2001:db8:acad::1: bytes=32 time=1ms TTL=64
Reply from 2001:db8:acad::1: bytes=32 time=1ms TTL=64

Ping statistics for 2001:db8:acad::1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>
```



```
PC1
Physical Config Desktop Programming Attributes
Command Prompt

Ping statistics for 155.21.22.4:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 155.21.23.4

Pinging 155.21.23.4 with 32 bytes of data:
Reply from 155.21.23.4: bytes=32 time=1ms TTL=120
Reply from 155.21.23.4: bytes=32 time=1ms TTL=120
Reply from 155.21.23.4: bytes=32 time=1ms TTL=120
Reply from 155.21.23.4: bytes=32 time=1ms TTL=120

Ping statistics for 155.21.23.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 155.21.23.131

Pinging 155.21.23.131 with 32 bytes of data:
Reply from 155.21.23.131: bytes=32 time=1ms TTL=127
Reply from 155.21.23.131: bytes=32 time=1ms TTL=127
Reply from 155.21.23.131: bytes=32 time=1ms TTL=127
Reply from 155.21.23.131: bytes=32 time=1ms TTL=127

Ping statistics for 155.21.23.131:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 4ms, Average = 1ms

C:\>ping 80.1.1.1

Pinging 80.1.1.1 with 32 bytes of data:
Request timed out.
Reply from 80.1.1.1: bytes=32 time=1ms TTL=64
Reply from 80.1.1.1: bytes=32 time=1ms TTL=64
Reply from 80.1.1.1: bytes=32 time=1ms TTL=64

Ping statistics for 80.1.1.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 2001:db8:acad::1

Pinging 2001:db8:acad::1 with 32 bytes of data:
Reply from 2001:db8:acad::1: bytes=32 time=1ms TTL=64
Reply from 2001:db8:acad::1: bytes=32 time=1ms TTL=64
Reply from 2001:db8:acad::1: bytes=32 time=1ms TTL=64
Reply from 2001:db8:acad::1: bytes=32 time=1ms TTL=64

Ping statistics for 2001:db8:acad::1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 9ms, Average = 2ms

C:\>
```

Z SLAN1 sprawdzam na jakich portach zostały PC1 i PC2 podłączone:

The image displays the Cisco Packet Tracer interface with three main windows open:

- SLAN1_Pokazyk IOS Command Line Interface:** Shows the configuration of SLAN1. A table titled "Mac Address Table" is highlighted, showing the following entries:

Vlan	Mac Address	Type	Port
1	0001.c9ca.5301	DYNAMIC	Gi0/1
1	0003.3e63.742a	DYNAMIC	Fa0/11
1	000b.3a3c.434b	DYNAMIC	Fa0/12
- PC2 Configuration:** Shows the configuration for PC2's FastEthernet0 interface. The MAC Address is 0005.8EE3.742A, the IPv4 Address is 192.21.22.4, and the Subnet Mask is 255.255.255.0. The IPv6 Address is 2001:ACAD:A:9:205:5E7F:FEE3:742A.
- PC1 Configuration:** Shows the configuration for PC1's FastEthernet0 interface. The MAC Address is 000B.BE3C.A34B, the IPv4 Address is 155.21.22.3, and the Subnet Mask is 255.255.255.0. The IPv6 Address is 2001:ACAD:A:9:20B:BE7F:FEEC:A34B.

[illegible]