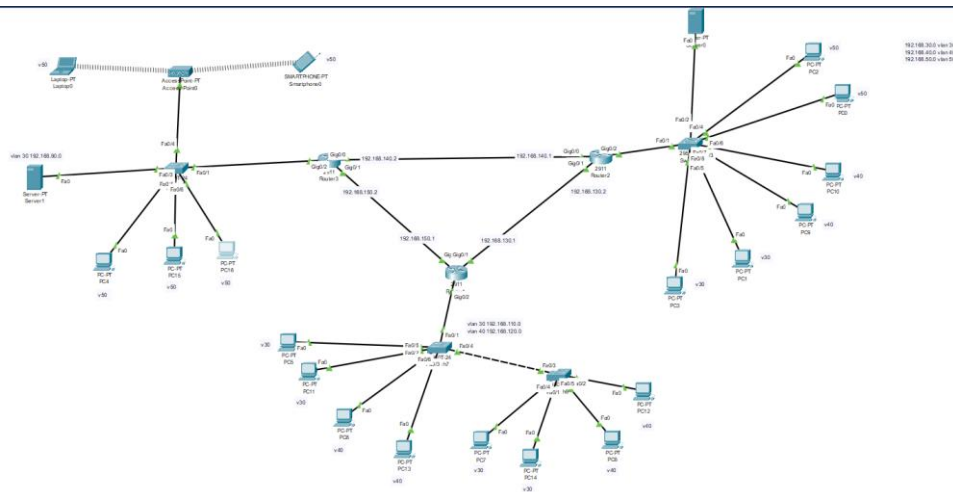
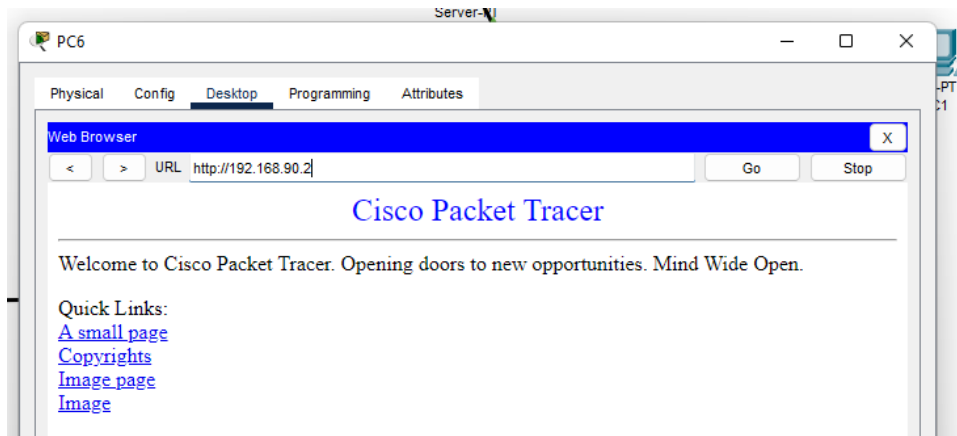


Autor: Eryk Majcherczak

Ukończony projekt:



Łączenie ze stroną:



Sekcja 1:

IP:

- Adres sieci: 192.168.30.0 (VLAN 30)
- Adres sieci: 192.168.40.0 (VLAN 40)
- Adres sieci: 192.168.50.0 (VLAN 50)
- Maska: 255.255.255.0

Urządzenia:

- Router 2911
- Switch 2950T-24
- Serwer
- 6 PC

VLANY:

- 30 (ksiegowosc) PC 1,3
- 40 (kadry) PC 9,10
- 50 (gosc) PC 0,2
- 80 (NATIVE)

Podłączenia:

- PC FastEthernet0 - Switch FastEthernet0/3,4,5,6,7,8
- Serwer FastEthernet0 - Switch FastEthernet0/2
- Router GigabitEthernet0/2 - Switch FastEthernet0/1

Konfiguracja:

- Serwer
 - o IP statyczne:
 - 192.168.30.2 255.255.255.0
 - o DHCP

V30

The screenshot shows the Cisco IOS configuration interface for a router named 'Server0'. The 'Services' tab is selected, and the 'DHCP' service is configured for the 'FastEthernet0' interface. The configuration includes a pool named 'serverPool' with a default gateway of 192.168.30.1, a DNS server of 0.0.0.0, and a start IP address of 192.168.30.10 with a subnet mask of 255.255.255.0. The maximum number of users is set to 50. The TFTP server and WLC address are both set to 0.0.0.0. A table at the bottom lists the configured DHCP pools.

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
v50	192.168....	0.0.0.0	192.168....	255.255....	50	0.0.0.0	0.0.0.0
v40	192.168....	0.0.0.0	192.168....	255.255....	50	0.0.0.0	0.0.0.0
serverPool	192.168....	0.0.0.0	192.168....	255.255....	50	0.0.0.0	0.0.0.0

V40

Server0

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

Interface

FastEthernet0

Service

On

Off

Pool Name

v40

Default Gateway

192.168.40.1

DNS Server

0.0.0.0

Start IP Address :

192

168

40

10

Subnet Mask:

255

255

255

0

Maximum Number of Users :

50

TFTP Server:

0.0.0.0

WLC Address:

0.0.0.0

Add

Save

Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
v50	192.168....	0.0.0.0	192.168....	255.255....	50	0.0.0.0	0.0.0.0
v40	192.168....	0.0.0.0	192.168....	255.255....	50	0.0.0.0	0.0.0.0
serverPool	192.168....	0.0.0.0	192.168....	255.255....	50	0.0.0.0	0.0.0.0

Top

V50

Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP**
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: v50

Default Gateway: 192.168.50.1

DNS Server: 0.0.0.0

Start IP Address: 192 168 50 10

Subnet Mask: 255 255 255 0

Maximum Number of Users: 50

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
v50	192.168....	0.0.0.0	192.168....	255.255....	50	0.0.0.0	0.0.0.0
v40	192.168....	0.0.0.0	192.168....	255.255....	50	0.0.0.0	0.0.0.0
serverPool	192.168....	0.0.0.0	192.168....	255.255....	50	0.0.0.0	0.0.0.0

☐ Top

- Switch

- o CLI:

- en
- conf
- vlan 30
 - name ksiegowosc
- vlan 40
 - name kadry
- vlan 50
 - name Gosc
- vlan 80
 - name NATIVE
- ex
- int f0/3
 - switchport mode access

- switchport access vlan 30
- int f0/5
 - switchport mode access
 - switchport access vlan 30
- int range f0/7
 - switchport mode access
 - switchport access vlan 40
- int range f0/8
 - switchport mode access
 - switchport access vlan 40
- ex
- int f0/6
 - switchport mode access
 - switchport access vlan 50
- int range f0/4
 - switchport mode trunk
 - switchport trunk native vlan 50
- do wr
- ex
- ex
- copy running-config startup-config
- Router
 - o CLI:
 - en
 - conf
 - int g0/2.1
 - encapsulation dot1Q 30
 - ip add 192.168.30.1 255.255.255.0
 - ip helper-address 192.168.1.2
 - ex
 - int g0/2.2

- encapsulation dot1Q 40
- ip address 192.168.40.1 255.255.255.0
- ip helper-address 192.168.1.2
- ex
- int g0/2.3
 - encapsulation dot1Q 50
 - ip address 192.168.50.1 255.255.255.0
 - ip helper-address 192.168.1.2
- ex
- int g0/2
 - no sh
- ex
- int g0/0
 - ip address 192.168.140.1 255.255.255.0
 - no sh
- ex
- int g0/1
 - ip address 192.168.130.2 255.255.255.0
 - no sh
- ex
- router rip
 - v 2
 - network 192.168.30.0
 - network 192.168.40.0
 - network 192.168.50.0
 - network 192.168.130.0
 - network 192.168.140.0
- ex
- do wr
- ex
- ex

- copy running-config startup-config

Sekcja 2:

IP:

- Adres sieci: 192.168.5.0 (VLAN 30)
- Maska: 255.255.255.0

Urządzenia:

- Router
- Switch 2950T-24
- Serwer
- 3 PC
- AccessPoint-PT
- Laptop z modułem WPC300N
- SmartPhone

VLANY:

- 50 (gosc) PC 4,15,16
- 30(ksiegowosc)
- 80 (NATIVE)

Podłączenia:

- PC FastEthernet0 - Switch FastEthernet0/3,5,6
- Serwer FastEthernet0 - Switch FastEthernet0/3
- Router GigabitEthernet0/2 - Switch FastEthernet0/1
- AccessPoint Port0 - Switch FastEthernet0/4

Konfiguracja:

- Serwer

o IP statyczne:

- 192.168.90.1 255.255.255.0

- Router

o CLI:

- en
- conf

- int g0/2.1
 - encapsulation dot1Q 30
 - ip add 192.168.90.1 255.255.255.0
- int g/2.2
 - encapsulation dot1Q 50
 - ip add 192.168.100.1 255.255.255.0
- ex
- int g0/2
 - no sh
- ex
- int g0/1
 - ip address 192.168.140.2 255.255.255.0
 - no sh
- ex
- int g0/2
 - ip address 192.168.150.2 255.255.255.0
 - no sh
- ex
- router rip
 - v 2
- network 192.168.90.0
- network 192.168.100.0
- network 192.168.140.0
- network 192.168.150.0
- ex
- do wr
- ex
- ex
- copy running-config startup-config
- Switch
- o CLI:

- en
- conf
- vlan 50
- name gosc
- vlan 30
- name ksiegowosc
- vlan 80
- name NATIVE
- ex
- int FastEthernet f0/2,5,6
 - switchport mode access
 - switchport access vlan 50
- int f0/3
 - switchport mode access
 - switchport access vlan 30
- ex
- ip dhcp excluded-address 192.168.90.1 192.168.90.10
- ip dhcp pool v30
 - network 192.168.90.0 255.255.255.0
 - default-router 192.168.90.1
- ex
- ip dhcp excluded-address 192.168.100.1 192.168.100.10
- ip dhcp pool v50
 - network 192.168.100.0 255.255.255.0
 - default-router 192.168.100.1
- int vlan30
 - ip address 192.168.5.254 255.255.255.0
 - ip helper-address 192.168.5.254
- do wr
- ex
- ex

- copy running-config startup-config

Sekcja 3:

IP:

- Adres sieci: 192.168.110.0 (VLAN 30)
- Adres sieci: 192.168.120.0 (VLAN 50)
- Maska: 255.255.255.0

Urządzenia:

- Router 2911
- Switch 2950-24
- Switch 2950-24
- 8 PC

VLANY:

- 30 (ksiegowosc) PC 5,7,11,14
- 40 (kadry) PC 6,8,12,13
- 80 (NATIVE)

Podłączenia:

- PC FastEthernet0 - Switch FastEthernet0/1,2,2,3,4,5,5,6
- Switch FastEthernet0/3 - Switch FastEthernet0/4
- Router GigabitEthernet0/2 - Switch FastEthernet0/1

Konfiguracja:

- Switch 3_S1

o CLI:

- en
- conf
- vlan 10
 - name ksiegowosc
- vlan 20
 - name kadry
- vlan 40
 - name NATIVE
- ex

- Switch 3_S1
 - int range f0/3
 - switchport mode access
 - switchport access vlan 40
 - int range f0/6
 - switchport mode access
 - switchport access vlan 40
 - int range f0/2
 - switchport mode access
 - switchport access vlan 30
 - ex
 - int f0/5
 - switchport mode trunk
 - switchport trunk native vlan 30
 - ex
 - hostname 3_S1
 - ip domain-name projekt.us
 - username admin privilege 15 secret admin
 - line vty 0 15
 - login local
 - transport input ssh
 - crypto key generate rsa
 - 1024
 - do wr
 - ex
 - ex
 - copy running-config startup-config
- Switch 3_S2
 - int f0/1
 - switchport mode access

- switchport access vlan 30
- int f0/4
 - switchport mode access
 - switchport access vlan 30
- int range f0/2
 - switchport mode access
 - switchport access vlan 40
- ex
- int f0/5
 - switchport mode trunk
 - switchport trunk native vlan 40
- ex
- hostname 3_S2
- ip domain-name projekt.us
- username admin privilege 15 secret admin
- line vty 0 15
 - login local
 - transport input ssh
- crypto key generate rsa
 - 1024
- do wr
- ex
- ex
- copy running-config startup-config
- Router
- o CLI:
 - en
 - conf
 - int g0/2.1
 - encapsulation dot1Q 30
 - ip add 192.168.110.1 255.255.255.0

- ex
- int g0/2.2
 - encapsulation dot1Q 40
 - ip address 192.168.120.1 255.255.255.0
- ex
- ip dhcp excluded-address 192.168.120.1 192.168.120.10
- ip dhcp pool v40
 - network 192.168.120.0 255.255.255.0
 - default-router 192.168.120.1
- ex
- ip dhcp excluded-address 192.168.110.1 192.168.110.10
- ip dhcp pool v30
 - network 192.168.110.0 255.255.255.0
 - default-router 192.168.110.1
- ex
- int g0/2
 - no sh
- ex
- int g0/1
 - ip address 192.168.150.1 255.255.255.0
 - no sh
- ex
- int g0/2
 - ip address 192.168.30.1 255.255.255.0
 - no sh
- ex
- router rip
 - v 2
 - network 192.168.150.0
 - network 192.168.130.0
 - network 192.168.110.0

- network 192.168.120.0
- ex
- do wr
- ex
- ex
- copy running-config startup-config