



Programi: **Shkenca Kompjuterike dhe Inxhinieri**

Lënda: **Rrjeta Kompjuterike dhe Komunikimi**

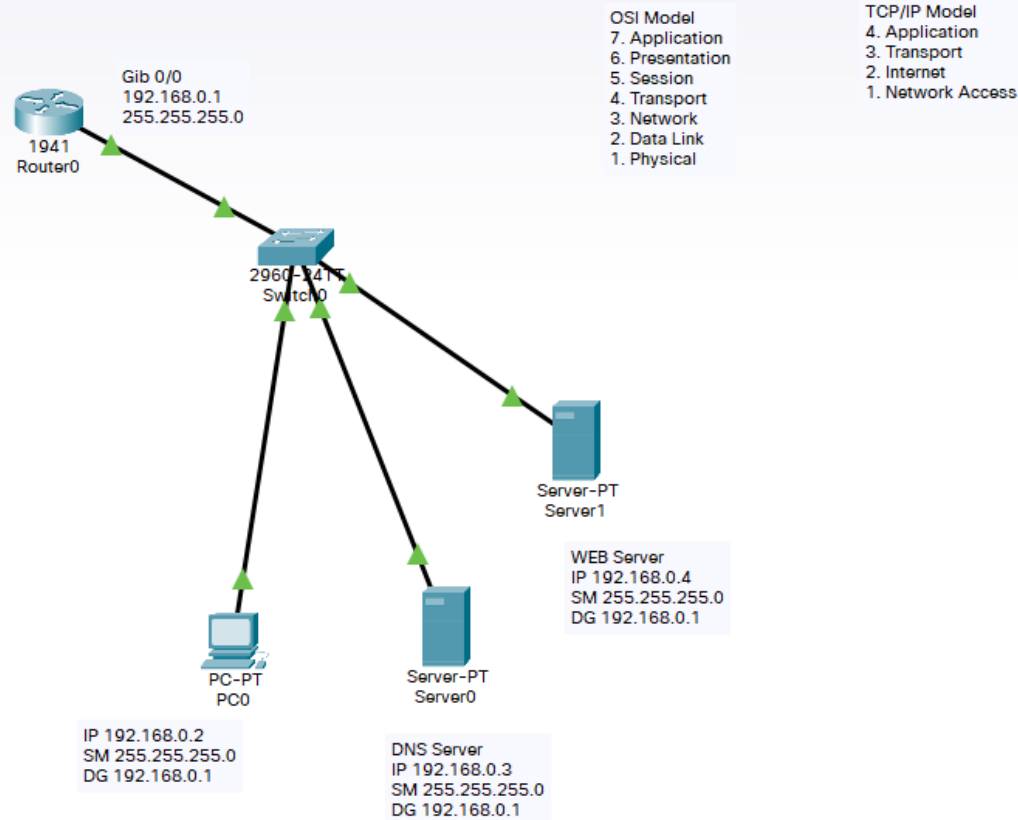
Ushtrime

Modelet referuese OSI dhe TCP/IP

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Topologjia fizike dhe logjike



Caktimi i IP te routeri



Router0

Physical Config CLI Attributes

GLOBAL

- Settings
- Algorithm Settings
- ROUTING**
- Static
- RIP
- SWITCHING**
- VLAN Database
- INTERFACE**
- GigabitEthernet0/0
- GigabitEthernet0/1

GigabitEthernet0/0

Port Status ☒ On

Bandwidth ☐ 1000 Mbps ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0030.A3E9.EB01

IP Configuration

IPv4 Address 192.168.0.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#ip address 192.168.0.1 255.255.255.0
Router(config-if)#ip address 192.168.0.1 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
```

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Caktimi i IP te PC



PC0

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.0.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.0.1

DNS Server 192.168.0.3

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::290:21FF:FE48:E7

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

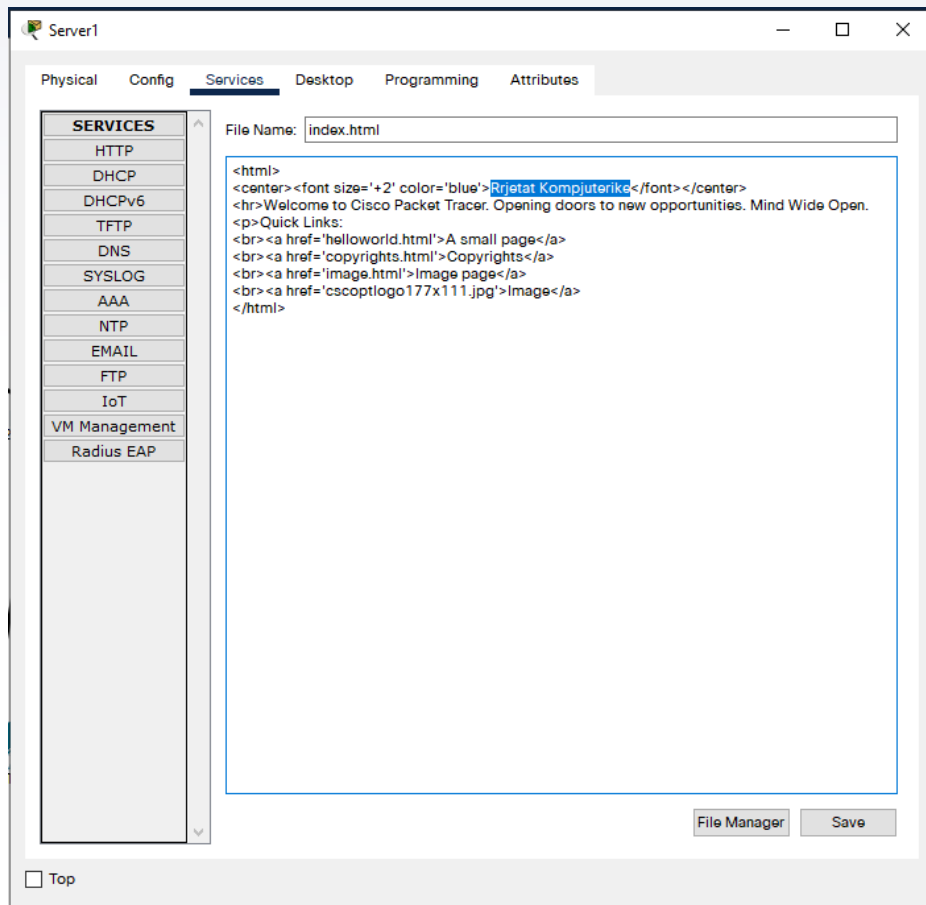
Authentication MDS

Username

Password

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Editimi i HTML



Konfigurimi i DNS



Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

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

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name Type

Address

No.	Name	Type	Detail
0	www.server.com	A Record	192.168.0.4

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Detyrë

Konfigurimi i rrjetës

1. Ndërtimi i topologjisë fizike (1 router, 1 switch, 1 pc dhe 2 servera)
2. Ndërtimi i topologjisë logjike (ip adresat në router, pc dhe server)
3. Konfigurimi i IP protokolit
4. Konfigurimi i HTTP protokolit (modifikimi i HTML)
5. Konfigurimi i DNS protokolit (përkthimi nga IP në www.test.com)
6. Testimi me ICMP (ping dhe tracer)
7. Paraqitja e rezultateve





**Faleminderit për
vëmendje!**

Ndonjë pyetje?

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