

TC

Düzce Üniversitesi Mühendislik Fakültesi

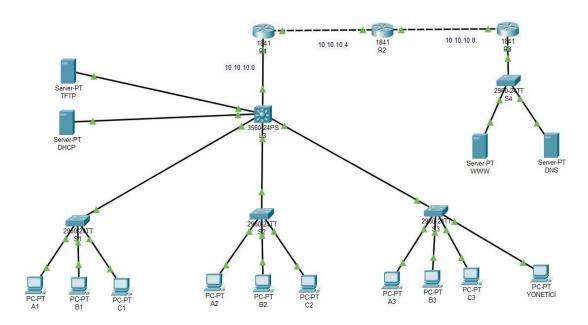
Bilgisayar Mühendisliği Bölümü

BM 302 – Bilgisayar Ağları ıı

Teslim Eden;

191002023 Esmanur ERDEM İÖ.

TOPOLOJİ



1-) Tüm ağ cihazlarının konsol, telnet, enable mod yapılandırması yapıldı.

Console Yapılandırlması

- R1 (config) # line console 0
- R1 (config-line) # login
- R1 (config-line) # password esma
- R1 (config-line) # exit

Telnet Yapılandırılması

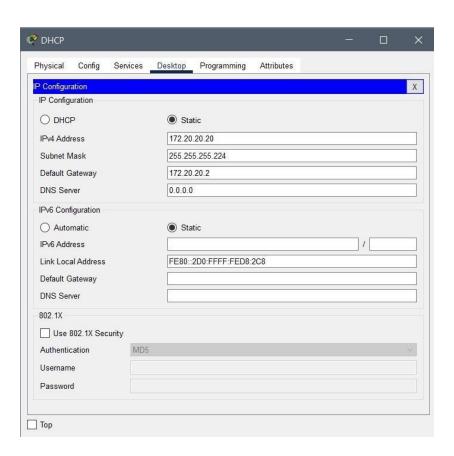
- R1 (config) # line vty 0 4
- R1 (config-line) # login
- R1 (config-line) # password erdem
- R1 (config-line) # exit

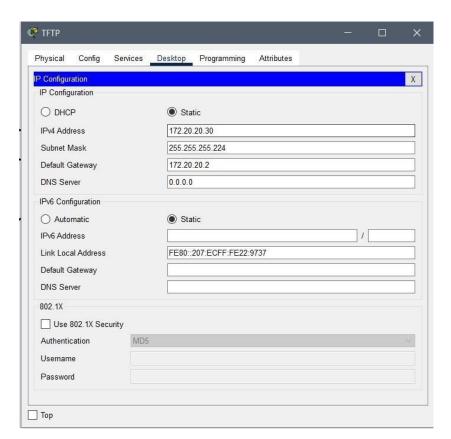
Enable Mod

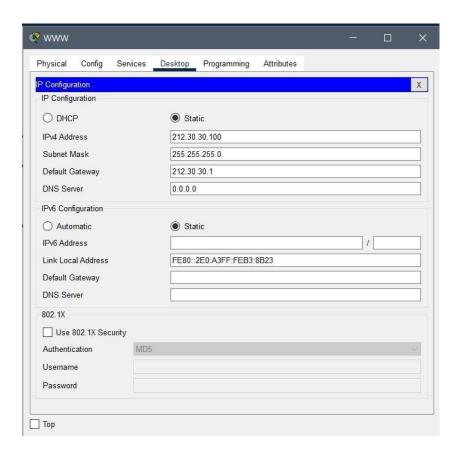
- R1 (config) #service password -encryption
- R1 (config) # enable secret esmaerdem

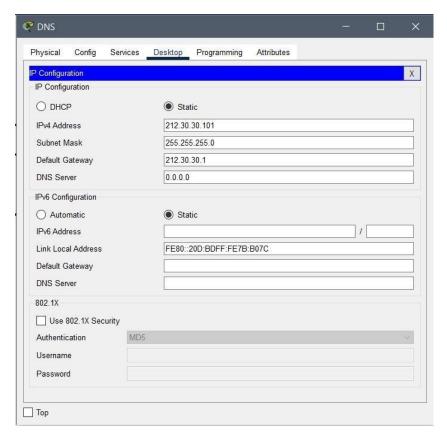
2-Sunucu Adresleri

Sunucuların adresleri girildi.

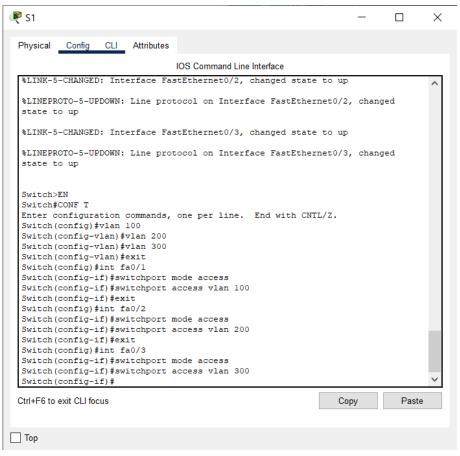


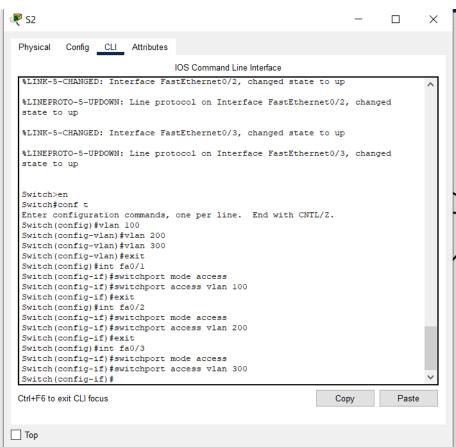


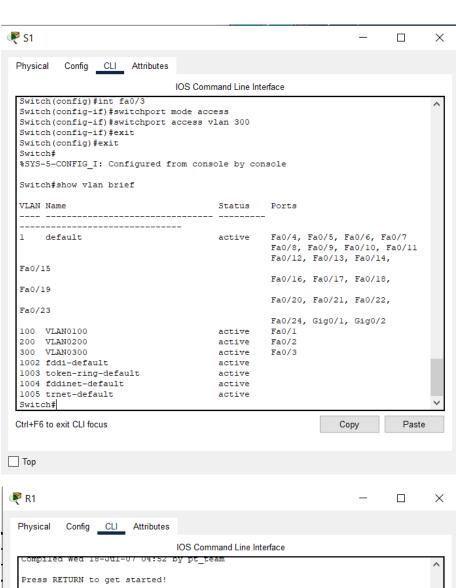


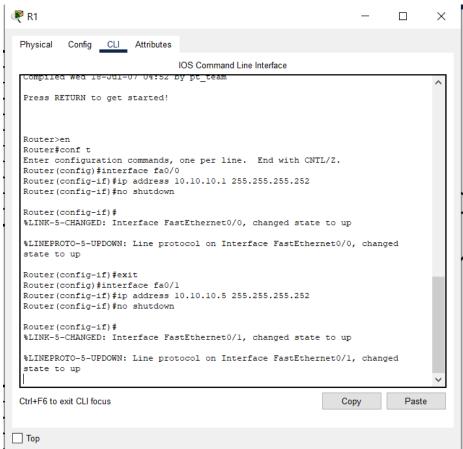


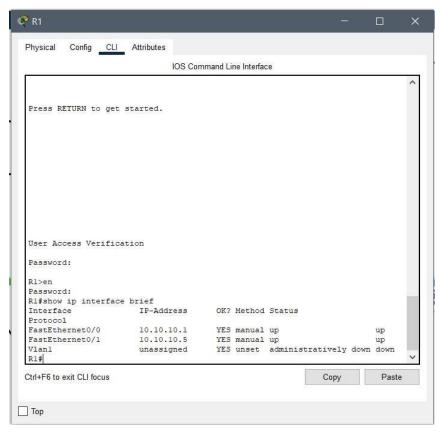
3-Ağ Cihazlarının arayüz adresleri verildi.

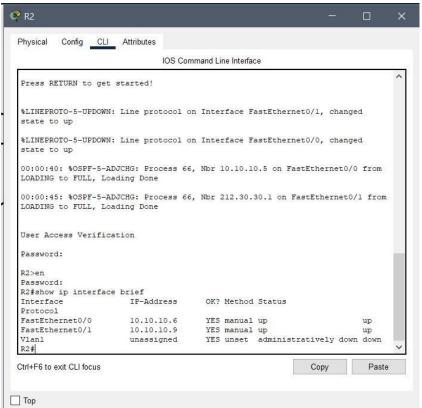


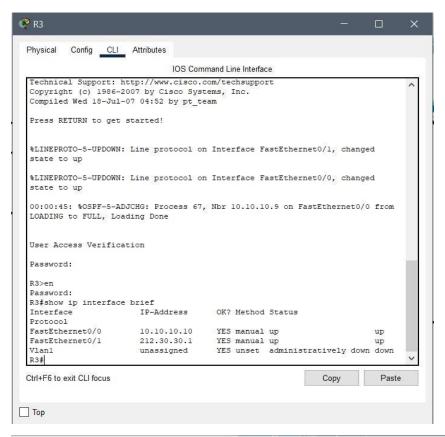


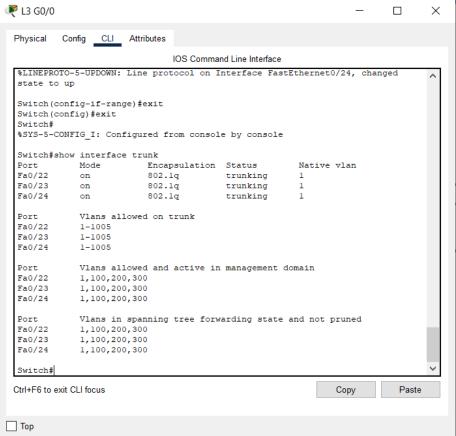






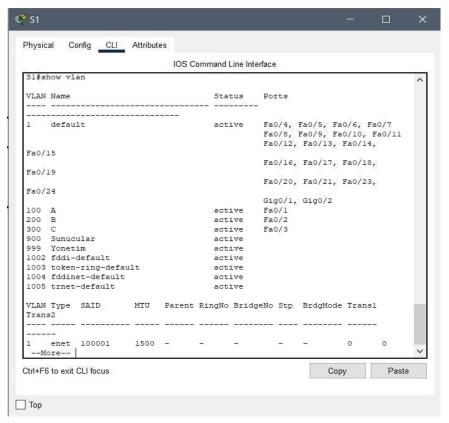


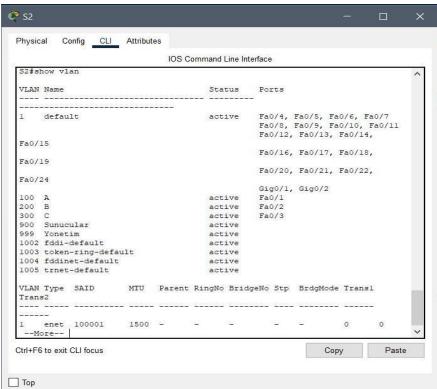


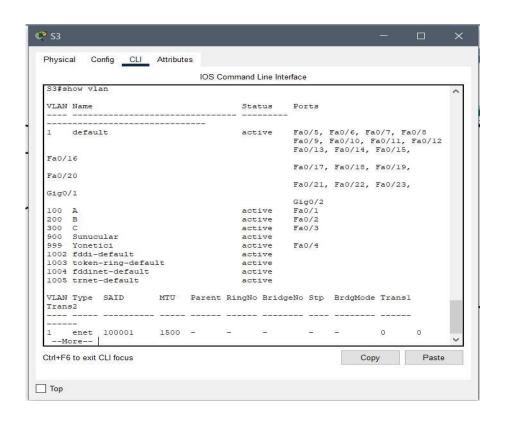


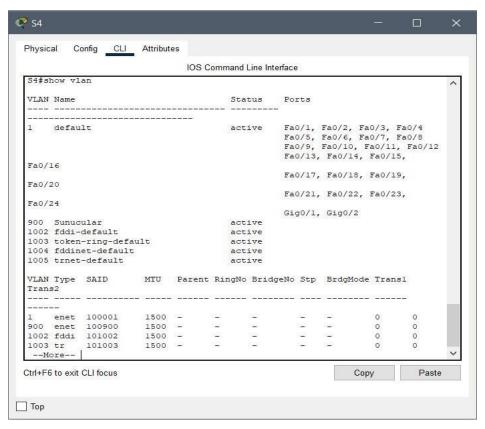
Aynı şekilde ağda bulunan diğer cihazların arayüzleri de yapılandırılmıştır.

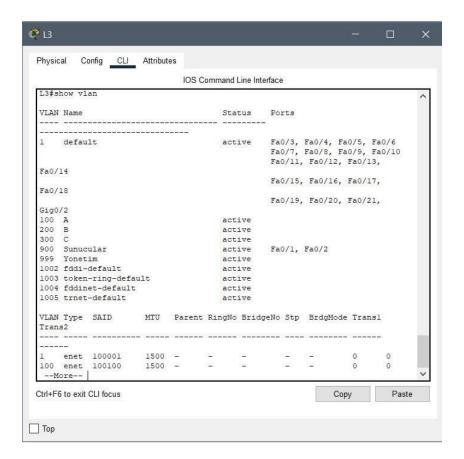
4-Ağ cihazları üzerinde oluşturulan vlan'lar.





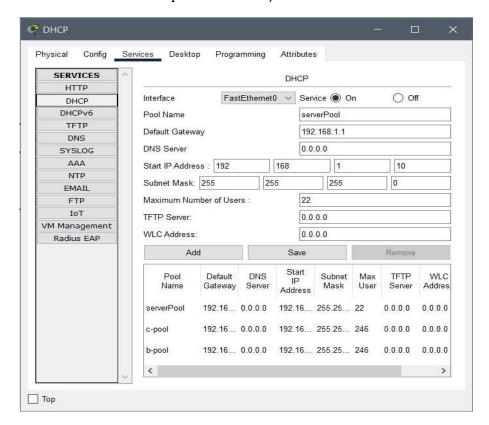




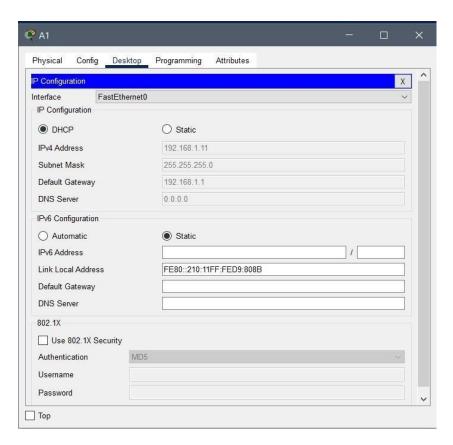


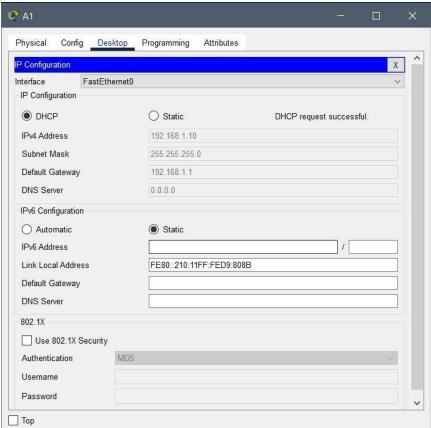
5-DHCP

DHCP Server üzerinden ip havuzları oluşturuldu.



DHCP serverPool seçildikten sonra A bilgisayarına havuzdan ip adresi atandı.





7- Farklı Vlan'lar arası haberleşme

```
Physical Config Desktop Programming Attributes

Command Prompt

X

Cisco Packet Tracer PC Command Line 1.0

C:\>ping 212.30.30.27

Finging 212.30.30.27 with 32 bytes of data:

C:\>ping 192.168.1.13

Finging 192.168.1.13 with 32 bytes of data:

Request timed out.

Reply from 192.168.1.13: bytes=32 time=lms TTL=127

Reply from 192.168.1.13: bytes=32 time=lms TTL=127

Ping statistics for 192.168.1.13: bytes=32 time=lms TTL=127

Ping statistics for 192.168.1.13: bytes=32 time=lms TTL=127

C:\>ping 192.168.1.13: bytes=32 time=lms TL=127

Ping statistics for 192.168.1.13: bytes=32 time

C:\>ping 192.168.1.13

Pinging 192.168.1.13: bytes=32 time

Reply from 192.168.1.13: bytes=32 time

Reply from 192.168.1.13: bytes=32 time

Reply from 192.168.1.13: bytes=32 time

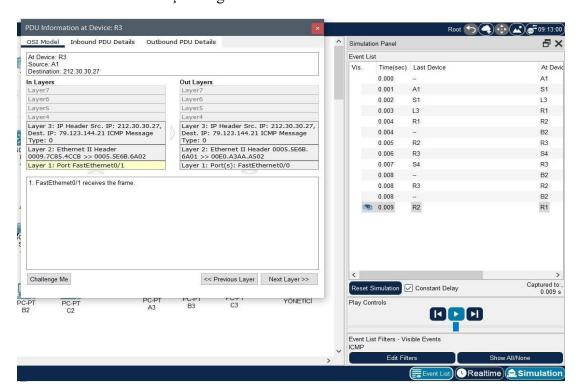
Reply from 192.168.1.13: bytes=32 time=lms TTL=127

Ping statistics for 192.168.1.13:

Fackets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

8- NAT

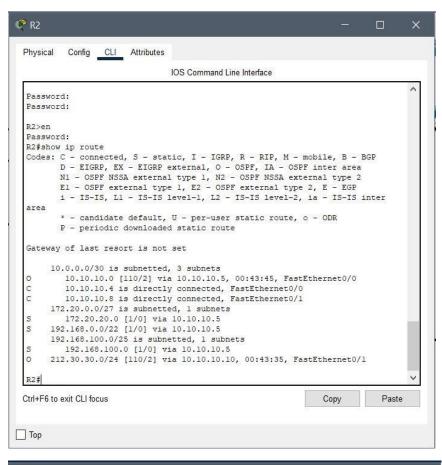
Nat cihazı ile internet erişimi sağlandı.

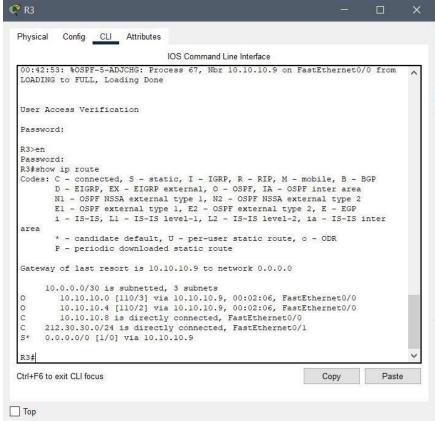


9-OSPF

R1,R2,R3 cihazlarına ospf yönlendirmesi yapıldı.







10-Telnet Yapılandırmaları

S1 Telnet

```
C:\>telnet 192.168.100.1
Trying 192.168.100.1 ...Open

User Access Verification

Password:
S1>en
Password:
S1#
```

S2 Telnet

```
C:\>telnet 192.168.100.2
Trying 192.168.100.2 ...Open

User Access Verification

Password:
Password:
S2>en
Password:
S2#
```

S3 Telnet

```
C:\>telnet 192.168.100.3
Trying 192.168.100.3 ...Open

User Access Verification

Password:
S3>en
Password:
S3#
```

S4 Telnet

```
C:\>telnet 212.30.30.27
Trying 212.30.30.27 ...Open

User Access Verification

Password:
S4>en
Password:
S4#
```

L3 Telnet

```
C:\>telnet 192.168.100.5
Trying 192.168.100.5 ...Open

User Access Verification

Password:
Password:
L3>en
Password:
L3#
```

R1 Telnet

```
C:\>telnet 10.10.10.5
Trying 10.10.10.5 ...Open

User Access Verification

Password:
R1>en
Password:
R1#
```

R2 Telnet

```
C:\>telnet 10.10.10.6
Trying 10.10.10.6 ...Open

User Access Verification

Password:
R2>en
Password:
R2#
```

R3 Telnet

```
C:\>telnet 10.10.10.10
Trying 10.10.10.10...Open

User Access Verification

Password:
R3>en
Password:
R3#
```

TFTP Sunucusundaki Yedekler

