

DÜZCE ÜNİVERSİTESİ MÜHENDİSLİK
FAKÜLTESİ BİLGİSAYAR MÜHENDİSLİĞİ
BÖLÜMÜ

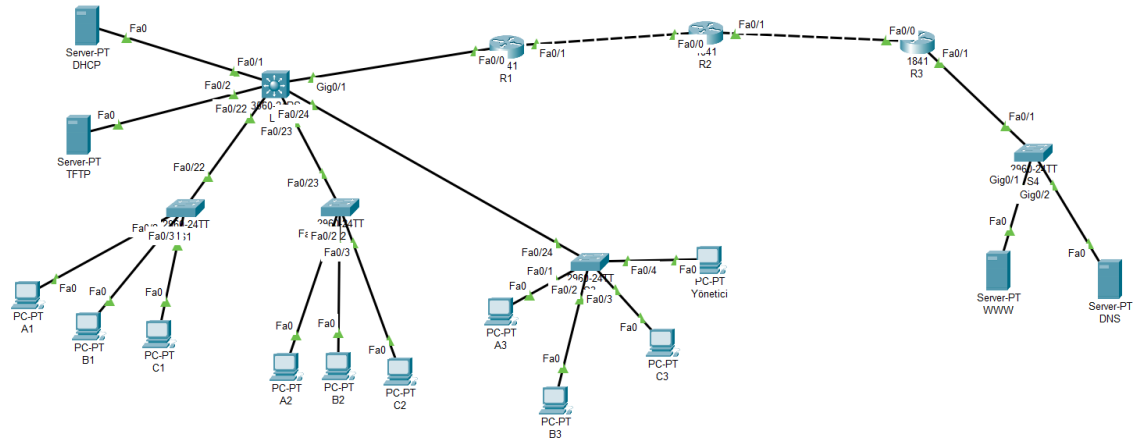


Bilgisayar Ağları-2 Dersi Raporu

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Soyadı: Sağır

No: 191001027



Topolojinin Bitmiş hali.

1.Soru Cevabı;

S2

```
!
interface Vlan1
  no ip address
  shutdown
!
interface Vlan900
  ip address 172.20.20.12 255.255.255.224
!
interface Vlan999
  ip address 192.168.100.2 255.255.255.128
!
!
!
!
!
line con 0
  password 7 08204047
  login
!
line vty 0 4
  password 7 08324D49000B
  login
line vty 5 15
  login
!
!
!
!
end
```

S3

```
interface FastEthernet0/24
  switchport trunk allowed vlan 100,200,300,900,999
  !
interface GigabitEthernet0/1
  !
interface GigabitEthernet0/2
  !
interface Vlan1
  no ip address
  shutdown
  !
interface Vlan900
  ip address 172.20.20.13 255.255.255.224
  !
interface Vlan999
  ip address 192.168.100.3 255.255.255.128
  !
  !
  !
  !
line con 0
  password 7 08204047
  login
  !
line vty 0 4
  password 7 08324D49000B
  login
line vty 5 15
  login
  !
  !
  !
  !
end
```

R1

```
router ospf 28
  log-adjacency-changes
  network 10.10.10.0 0.0.0.3 area 100
  network 10.10.10.4 0.0.0.3 area 100
  !
ip classless
ip route 192.168.0.0 255.255.0.0 10.10.10.2
ip route 172.20.20.0 255.255.255.224 10.10.10.2
  !
ip flow-export version 9
  !
  !
  !
no cdp run
  !
  !
  !
  !
  !
  !
line con 0
  password 7 08204047
  login
  !
line aux 0
  !
line vty 0 4
  password 7 08324D49000B
  login
  !
  !
  !
  !
end
```

R2

```
interface FastEthernet0/1
ip address 10.10.10.9 255.255.255.252
ip nat outside
duplex auto
speed auto
!
interface Vlan1
no ip address
shutdown
!
router ospf 29
log-adjacency-changes
network 10.10.10.8 0.0.0.3 area 100
network 10.10.10.4 0.0.0.3 area 100
!
ip nat pool pc_pool 79.123.144.20 79.123.144.24 netmask 255.255.255.224
ip nat inside source list 1 pool pc_pool
ip classless
ip route 0.0.0.0 0.0.0.0 10.10.10.5
ip route 172.20.20.0 255.255.255.224 10.10.10.5
!
ip flow-export version 9
!
!
access-list 1 permit 192.168.0.0 0.0.255.255
!
no cdp run
!
!
!
!
!
!
!
line con 0
password 7 08204047
login
!
line aux 0
!
line vty 0 4
password 7 08324D49000B
login
!
!
!
end
```

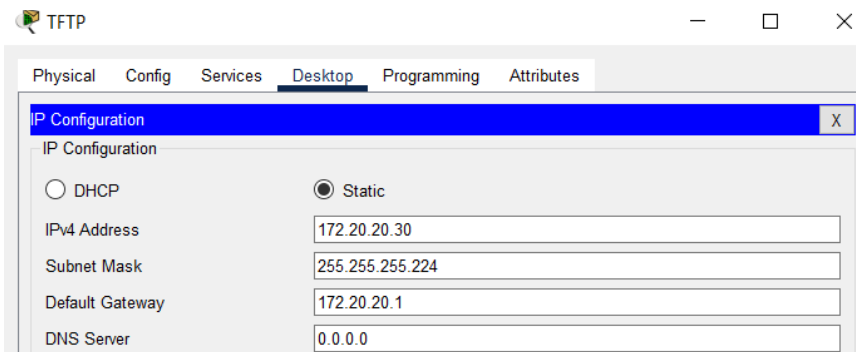
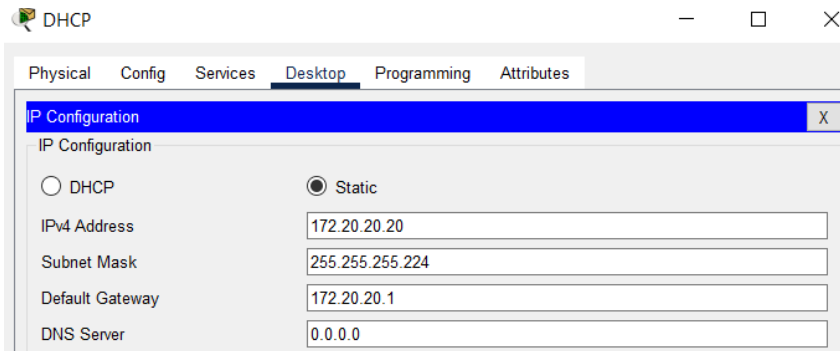
R3

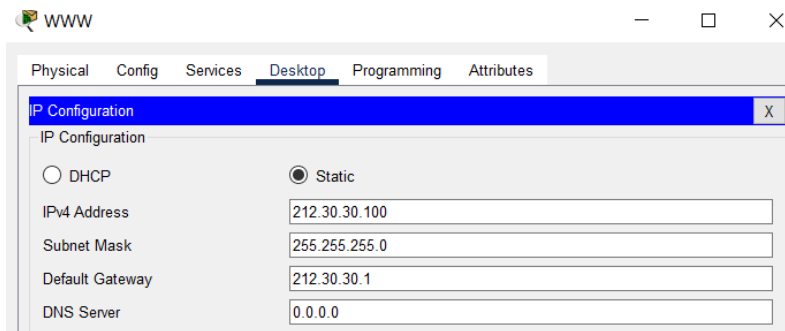
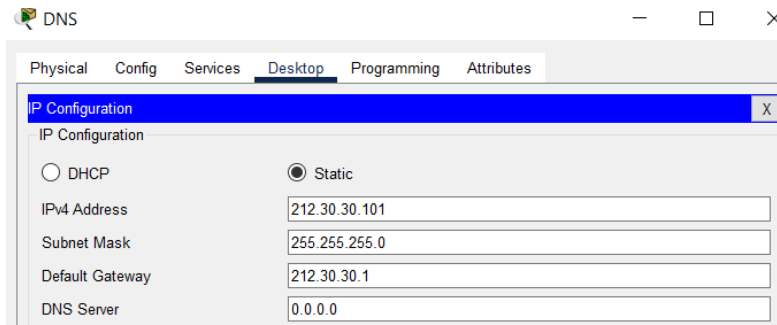
```
interface FastEthernet0/1
ip address 212.30.30.1 255.255.255.0
duplex auto
speed auto
!
interface Vlan1
no ip address
shutdown
!
router ospf 30
log-adjacency-changes
network 10.10.10.8 0.0.0.3 area 100
network 212.30.30.0 0.0.0.255 area 100
!
ip classless
ip route 79.123.144.0 255.255.255.0 10.10.10.9
ip route 192.168.0.0 255.255.0.0 10.10.10.9
ip route 172.20.20.0 255.255.255.224 10.10.10.9
!
ip flow-export version 9
!
!
!
no cdp run
!
!
!
!
!
!
!
line con 0
password 7 08204047
login
!
line aux 0
!
line vty 0 4
password 7 08324D49000B
login
!
!
!
end
```

L3

```
interface Vlan200
 mac-address 0000.0c70.d002
 ip address 192.168.2.1 255.255.255.0
 ip helper-address 172.20.20.20
!
interface Vlan300
 mac-address 0000.0c70.d003
 ip address 192.168.3.1 255.255.255.0
 ip helper-address 172.20.20.20
!
interface Vlan900
 mac-address 0000.0c70.d004
 ip address 172.20.20.1 255.255.255.224
!
interface Vlan999
 mac-address 0000.0c70.d005
 ip address 192.168.100.1 255.255.255.128
 ip helper-address 172.20.20.20
!
ip classless
ip route 0.0.0.0 0.0.0.0 10.10.10.1
!
ip flow-export version 9
!
!
!
!
!
!
!
line con 0
 password 7 08204047
 login
!
line aux 0
!
line vty 0 4
 password 7 08324D49000B
 login
!
!
!
!
end
```

2.Sorunun Cevabı;





3.Sorunun Cevabı;

L3 için;

```
L3(config)#interface vlan 100
L3(config-if)#
%LINK-5-CHANGED: Interface Vlan100, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan100, changed state to up

L3(config-if)#ip address 192.168.1.1 255.255.255.0
L3(config-if)#no shut
L3(config-if)#no shutdown
L3(config-if)#exit
L3(config)#interface vlan 200
L3(config-if)#
%LINK-5-CHANGED: Interface Vlan200, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan200, changed state to up

L3(config-if)#ip address 192.168.2.1 255.255.255.0
L3(config-if)#no shutdown
L3(config-if)#interface vlan 300
L3(config-if)#
%LINK-5-CHANGED: Interface Vlan300, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan300, changed state to up

L3(config-if)#ip address 192.168.3.1 255.255.255.0
L3(config-if)#no shutdown
L3(config-if)#exit
L3(config)#interface vlan 900
L3(config-if)#
%LINK-5-CHANGED: Interface Vlan900, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan900, changed state to up

L3(config-if)#ip address 172.20.20.1 255.255.255.224
L3(config-if)#no shutdown
L3(config-if)#exit
L3(config)#interface vlan 999
L3(config-if)#
%LINK-5-CHANGED: Interface Vlan999, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan999, changed state to up

L3(config-if)#ip address 192.168.100.5 255.255.255.128
L3(config-if)#no shutdown
L3(config-if)#exit
```

```
L3(config-if)#no sv?
% Unrecognized command
L3(config-if)#no sw?
switchport
L3(config-if)#no switchport
L3(config-if)#ip address 10.10.10.2 255.255.255.252
L3(config-if)#no shutdown
L3(config-if)#
```

S1 için;

```
S1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
S1(config)#int vlan 999
S1(config-if)#
%LINK-5-CHANGED: Interface Vlan999, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan999, changed state to up

S1(config-if)#ip address 192.168.100.1 255.255.255.128
S1(config-if)#no shutdown
S1(config-if)#interface vlan 900
S1(config-if)#
%LINK-5-CHANGED: Interface Vlan900, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan900, changed state to up

S1(config-if)#ip address 172.20.20.2 255.255.255.224
S1(config-if)#no shutdown
```

S2 için;

```
S2>en
S2#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
S2(config)#int vlan 900
S2(config-if)#
%LINK-5-CHANGED: Interface Vlan900, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan900, changed state to up

S2(config-if)#ip address 172.20.20.3 255.255.255.224
S2(config-if)#no shutdown
S2(config-if)#interface vlan 999
S2(config-if)#
%LINK-5-CHANGED: Interface Vlan999, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan999, changed state to up

S2(config-if)#ip address 192.168.100.2 255.255.255.128
S2(config-if)#no shutdown
```

S3 için;

```
S3#conf t
Enter configuration commands, one per line. End with CNTL/Z.
S3(config)#interface vlan 900
S3(config-if)#
%LINK-5-CHANGED: Interface Vlan900, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan900, changed state to up

S3(config-if)#ip address 172.20.20.4 255.255.255.224
S3(config-if)#no shutdown
S3(config-if)#interface vlan 999
S3(config-if)#
%LINK-5-CHANGED: Interface Vlan999, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan999, changed state to up

S3(config-if)#ip address 192.168.100.3 255.255.255.128
S3(config-if)#no shutdown
S3(config-if)#exit
```

R1 için;

```
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#interface f0/0
R1(config-if)#ip address 10.10.10.1 255.255.255.252
R1(config-if)#no shutdown

R1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed
state to up
interface f0/1
R1(config-if)#exit
R1(config)#interface f0/1
R1(config-if)#ip address 10.10.10.5 255.255.255.252
R1(config-if)#
R1(config-if)#no shutdown

R1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

R1(config-if)#
R1(config-if)#ip route 192.168.100.0 255.255.255.128 10.10.10.2
R1(config)#ip route 192.168.100.0 255.255.255.128 10.10.10.2
R1(config)#ip route 172.20.20.0 255.255.255.224 10.10.10.2
%Inconsistent address and mask
R1(config)#ip route 172.20.20.0 255.255.255.224 10.10.10.2
R1(config)#ip route 192.168.0.0 255.255.252.0 10.10.10.2
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console

R1#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter
area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

10.0.0.0/30 is subnetted, 1 subnets
C      10.10.10.0 is directly connected, FastEthernet0/0
172.20.0.0/27 is subnetted, 1 subnets
S      172.20.20.0 [1/0] via 10.10.10.2
S      192.168.0.0/22 [1/0] via 10.10.10.2
192.168.100.0/25 is subnetted, 1 subnets
S      192.168.100.0 [1/0] via 10.10.10.2
```

R2 için;


```

R2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#interface f0/0
R2(config-if)#ip address 10.10.10.6 255.255.255.252
R2(config-if)#no shutdown

R2(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to

R2(config-if)#int f0/1
R2(config-if)#ip address 10.10.10.9 255.255.255.252
R2(config-if)#no shutdown

R2(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

R2(config-if)#ip route 192.168.100 0 255.255.255.128 10.10.10.5
^
% Invalid input detected at '^' marker.

R2(config-if)#ip route 192.168.100.0 255.255.255.128 10.10.10.5
R2(config)#ip route 192.168.100.0 255.255.255.128 10.10.10.5
R2(config)#ip route 192.168.0.0 255.255.252.0 10.10.10.5
R2(config)#ip route 172.20.20.0 255.255.255.224 10.10.10.5

```

R3 için;

```

R3#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#int f0/0
R3(config-if)#ip address 10.10.10.10 255.255.255.252
R3(config-if)#no shutdown

R3(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed
state to up

R3(config-if)#int f0/1
R3(config-if)#ip address 212.30.30.1 255.255.255.0
R3(config-if)#no shutdown

R3(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed
state to up

R3(config-if)#ip route 0.0.0.0 0.0.0.0 10.10.10.9

```

4.Sorunun Cevabi

L3-Vlan

```
L3#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
L3(config)#vlan 100
L3(config-vlan)#name A
L3(config-vlan)#vlan 200
L3(config-vlan)#name B
L3(config-vlan)#vlan 300
L3(config-vlan)#name C
L3(config-vlan)#vlan 900
L3(config-vlan)#name Sunucular
L3(config-vlan)#vlan 999
L3(config-vlan)#name Yonetim
```

S1Vlan

```
S1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
S1(config)#vlan 100
S1(config-vlan)#name A
S1(config-vlan)#vlan 200
S1(config-vlan)#name B
S1(config-vlan)#vlan 300
S1(config-vlan)#name C
S1(config-vlan)#vlan 900
S1(config-vlan)#name Sunucular
S1(config-vlan)#vlan 999
S1(config-vlan)#name Yonetim
```

S2-Vlan

```
S2#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
S2(config)#vlan 100
S2(config-vlan)#name A
S2(config-vlan)#vlan 200
S2(config-vlan)#name B
S2(config-vlan)#vlan 300
S2(config-vlan)#name C
S2(config-vlan)#vlan 900
S2(config-vlan)#name Sunucular
S2(config-vlan)#vlan 999
S2(config-vlan)#name Yonetim
```

S3Vlan

```
S3#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
S3(config)#vlan 100
S3(config-vlan)#name A
S3(config-vlan)#vlan 200
S3(config-vlan)#name B
S3(config-vlan)#vlan 300
S3(config-vlan)#name C
S3(config-vlan)#vlan 900
S3(config-vlan)#name Sunucular
S3(config-vlan)#vlan 999
S3(config-vlan)#name Yonetim
```

5.Sorunun Cevabı

S1

```
S1(config)#interface range f0/1-3
S1(config-if-range)#switch mode access
S1(config-if-range)#switch access vlan 100
S1(config-if-range)#interface f0/2
S1(config-if)#switch mode access
S1(config-if)#switch access vlan 200
S1(config-if)#interface f0/3
S1(config-if)#switch mode access
S1(config-if)#switch access vlan 300

S1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
S1(config)#interface f0/22
S1(config-if)#switch mode trunk

S1(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/22, changed
state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/22, changed
state to up

S1(config-if)#switch trunk allowed vlan 100,200,300,900,999
S1(config-if)#sw trunk native vlan 26
```

S2

```
S2(config)#interface range f0/1-3
S2(config-if-range)#switch mode access
S2(config-if-range)#switch access vlan 100
S2(config-if-range)#interface f0/2
S2(config-if)#switch mode access
S2(config-if)#switch access vlan 200
S2(config-if)#interface f0/3
S2(config-if)#switch mode access
S2(config-if)#switch access vlan 300
S2(config-if)#exit

S2#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
S2(config)#interface f0/23
S2(config-if)#switch mode trunk

S2(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/23, changed
state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/23, changed
state to up

S2(config-if)#switch trunk allowed vlan 100,200,300,900,999

S2(config-if)#switch trunk native vlan 26
```

S3

```
S3>en
S3#conf t
Enter configuration commands, one per line. End with CNTL/Z.
S3(config)#interface range f0/1-4
S3(config-if-range)#switch mode access
S3(config-if-range)#switch access vlan 100
S3(config-if-range)#interface f0/2
S3(config-if)#switch access vlan 200
S3(config-if)#interface f0/3
S3(config-if)#switch access vlan 300
S3(config-if)#interface f0/4
S3(config-if)#switch access vlan 999
S3(config-if)#

S3(config-if)#
S3(config-if)#exit
S3(config)#interface f0/24
S3(config-if)#switch mode trunk
S3(config-if)#switch
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/24 (26), with L3 FastEthernet0/24 (1).

% Incomplete command.
S3(config-if)#switch trunk native vlan 26
S3(config-if)#switch trunk allowed vlan 100,200,300,900,999
S3(config-if)#exit
```

L3

```
L3(config)#interface range f0/22-24
L3(config-if-range)#switch trunk encapsulation
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/24 (1), with
L3(config-if-range)#sw
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/22 (1), with S1 FastEthernet0/22 (26).

L3(config-if-range)#
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/23 (1), with S2 FastEthernet0/23 (26).


L3(config-if-range)#switch trunk ecc
L3(config-if-range)#switch trunk enc
L3(config-if-range)#switch trunk encapsulation dat
L3(config-if-range)#switch trunk encapsulation dot
L3(config-if-range)#switch trunk encapsulation dot1q
L3(config-if-range)#
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/24 (1), with S3 FastEthernet0/24 (26).

L3(config-if-range)#switch mode trunk
L3(config-if-range)#switch trunk native
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/22 (1), with S1 FastEthernet0/22 (26).

%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/23 (1), with S2 FastEthernet0/23 (26)
% Incomplete command.
L3(config-if-range)#switch trunk native vlan 26
L3(config-if-range)#switch trunk allowed vlan 100,200,300,900,999
L3(config-if-range)#exit
```

6.Sorunun Cevabı;

```
L3#conf t
Enter configuration commands, one per line. End with CNTL/Z.
L3(config)#interface f0/1
L3(config-if)#switch mode access
L3(config-if)#switch access vlan 900
L3(config-if)#int vlan 100
L3(config-if)#ip helper-address 172.20.20.20
L3(config-if)#int vlan 200
L3(config-if)#ip helper-address 172.20.20.20
L3(config-if)#int vlan 300
L3(config-if)#ip helper-address 172.20.20.20
```

 DHCP

PhysicalConfigServicesDesktopProgrammingAttributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

InterfaceFastEthernet0Service☒ On☐ Off

Pool NameserverPool

Default Gateway0.0.0.0

DNS Server0.0.0.0

Start IP Address : 17220200

Subnet Mask: 255255255224

Maximum Number of Users :31

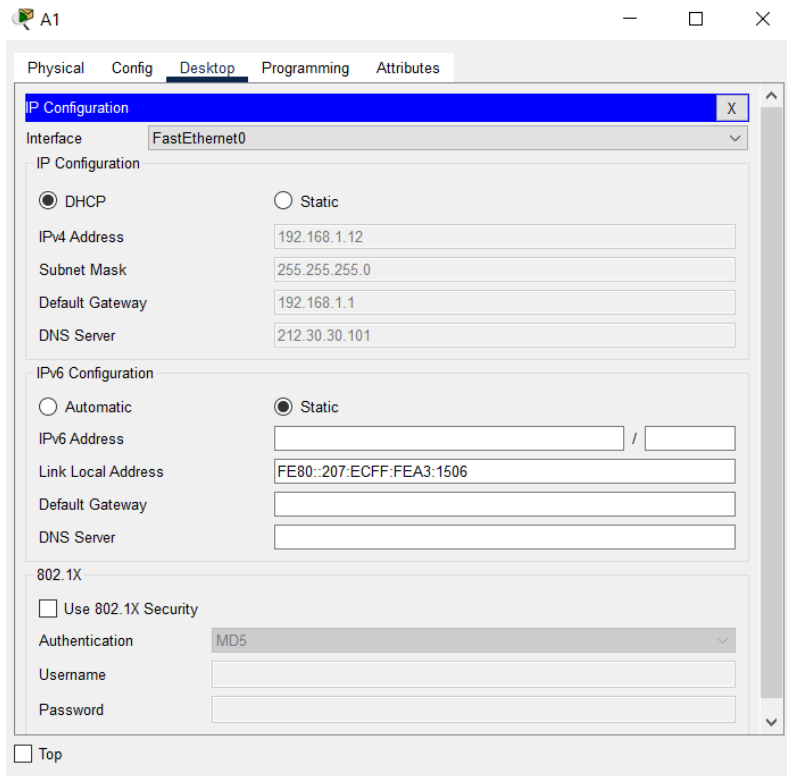
TFTP Server:0.0.0.0

WLC Address:0.0.0.0

AddSaveRemove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
A_Pool	192.168.1.1	212.30.30....	192.168.1.10	255.255.25...	246	172.20.20.30	0.0.0.0
B_Pool	192.168.2.1	212.30.30....	192.168.2.10	255.255.25...	246	172.20.20.30	0.0.0.0
C_Pool	192.168.3.1	212.30.30....	192.168.3.10	255.255.25...	246	172.20.20.30	0.0.0.0
Sunucu_Pool	172.20.20.1	212.30.30....	172.20.20.10	255.255.25...	22	172.20.20.30	0.0.0.0
Yonetim_Pool	192.168.10...	212.30.30....	192.168.10...	255.255.25...	28	172.20.20.30	0.0.0.0

☐ Top



7.Sorunun Cevabı;

```
L3(config)#int fa0/22
L3(config-if)#switchport trunk encapsulation dot1Q
L3(config-if)#switchport mode trunk
L3(config-if)#switchport trunk allowed vlan 100,200,300,900,999
L3(config)#int fa0/23
L3(config-if)#switchport trunk encapsulation dot1Q
L3(config-if)#switchport mode trunk
L3(config-if)#switchport trunk allowed vlan 100,200,300,900,999
L3(config)#int fa0/24
L3(config-if)#switchport trunk encapsulation dot1Q
L3(config-if)#switchport mode trunk
L3(config-if)#switchport trunk allowed vlan 100,200,300,900,999
```

8.Sorunun Cevabı


```

R2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#ip nat pool internet 79.123.144.20 79.123.144.24 netmask 255.255.255.0
R2(config)#access-list 26
% Incomplete command.
R2(config)#access-list 26 permit 192.168.0.0. 0.0.3.255
      ^
% Invalid input detected at '^' marker.

R2(config)#ac
R2(config)#access-list 26
R2(config)#access-list 26 ?
    deny      Specify packets to reject
    permit     Specify packets to forward
    remark     Access list entry comment
R2(config)#access-list 26 permit 192.168.0.0 0.0.3.255
R2(config)#ip nat inside source list 26 pool internet
R2(config)#int f0/1
R2(config-if)#ip nat outside
R2(config-if)#int f0/0
R2(config-if)#ip nat inside

```

Komutumuzda outside olarak R2 nin sağında R2 nin soluna ise inside olarak tanımlandı.

9.Sorunun Cevabı

R1 için;

```

R1>en
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#route ospf 26
R1(config-router)#network 10.10.10.0 0.0.0.3 area 26
R1(config-router)#network 10.10.10.4 0.0.0.3 area 26
--

```

R2 için;

```

R2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#route ospf 26
R2(config-router)#network 10.10.10.4 0.0.0.3 area 26
R2(config-router)#network 10.10.10.8 0.0.0.3 area 26

```

R3 için;

```
R3#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
R3(config)#route ospf 26
R3(config-router)#no network 10.10.10.0 0.0.0.3 area 26
R3(config-router)#network 10.10.10.8 0.0.0.3 area 26
R3(config-router)#pas
R3(config-router)#passive-interface f0/1
R3(config-router)#exit
R3(config)#exit
R3#
%SYS-5-CONFIG_I: Configured from console by console

R3#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter
area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is 10.10.10.9 to network 0.0.0.0

    10.0.0.0/30 is subnetted, 3 subnets
O       10.10.10.0 [110/3] via 10.10.10.9, 00:04:25, FastEthernet0/0
O       10.10.10.4 [110/2] via 10.10.10.9, 00:04:25, FastEthernet0/0
C       10.10.10.8 is directly connected, FastEthernet0/0
C       212.30.30.0/24 is directly connected, FastEthernet0/1
S*     0.0.0.0/0 [1/0] via 10.10.10.9
```

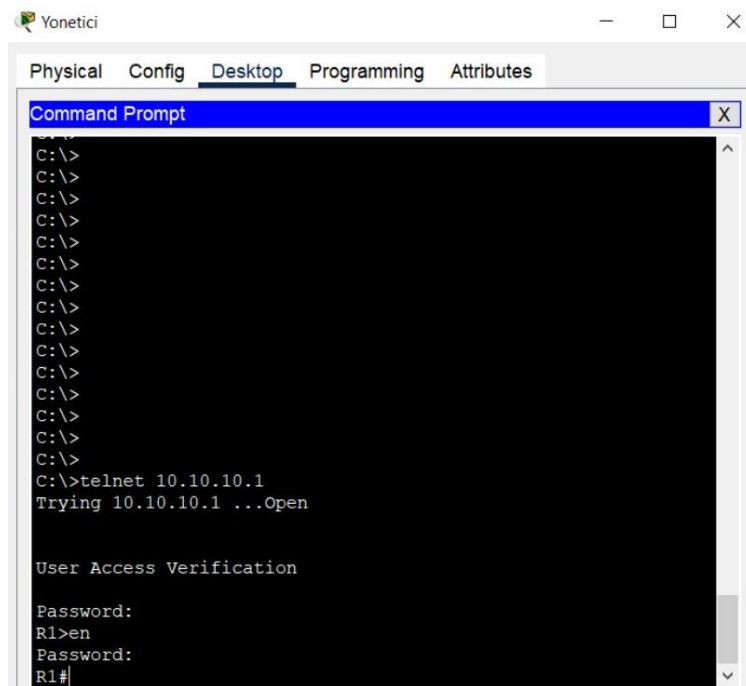
10.Sorunun Cevabı

```
L3#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
L3(config)#ip route 0.0.0.0 0.0.0.0 10.10.10.1
                        ^
% Invalid input detected at '^' marker.

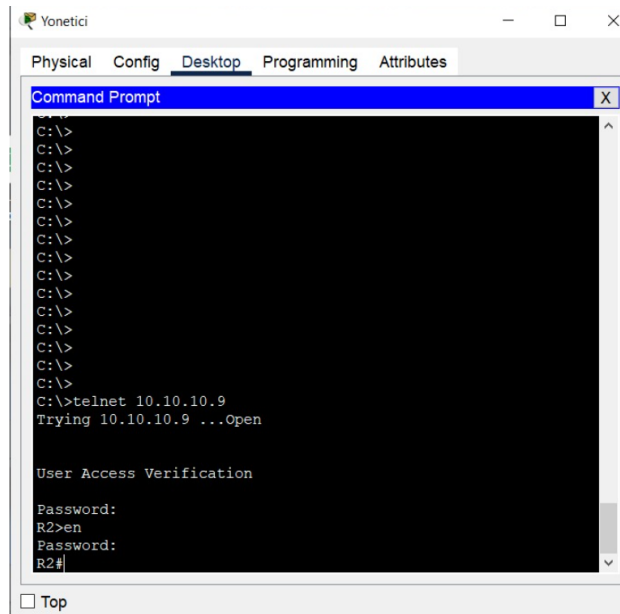
L3(config)#ip route 0.0.0.0 0.0.0.0 10.10.10.1
```

14.Sorunun Cevabı

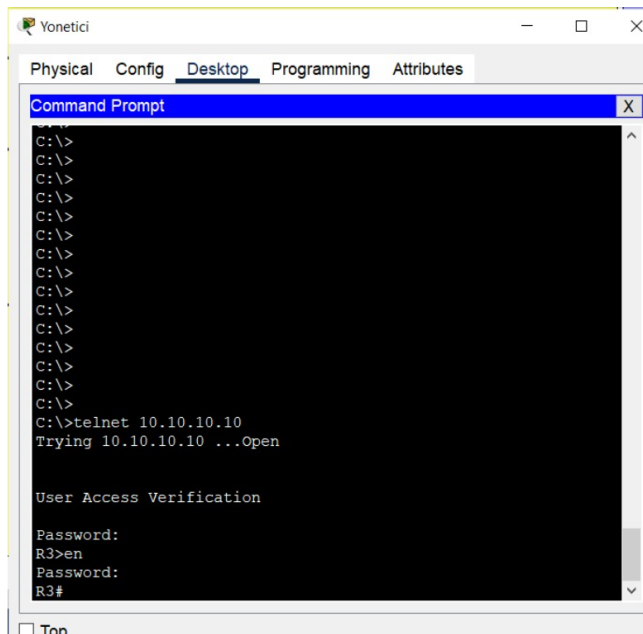
R1



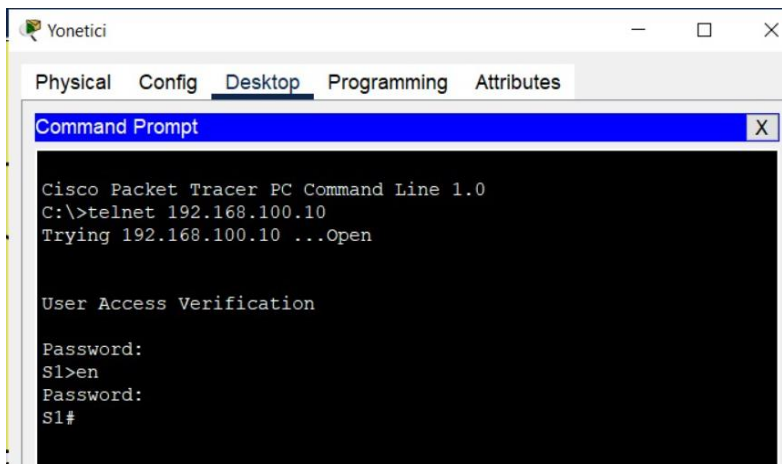
R2



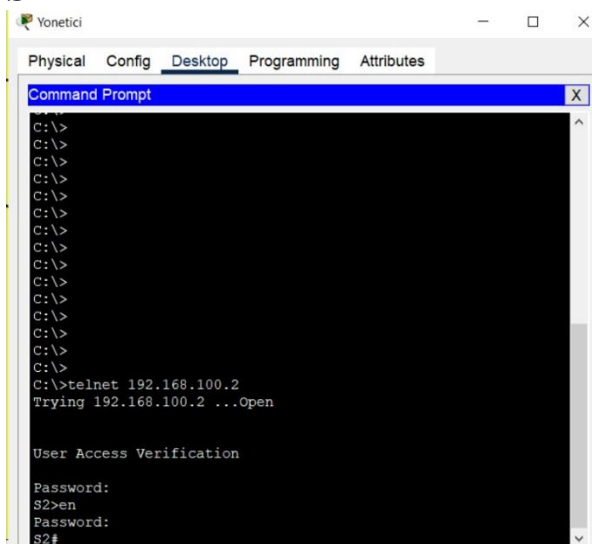
R3



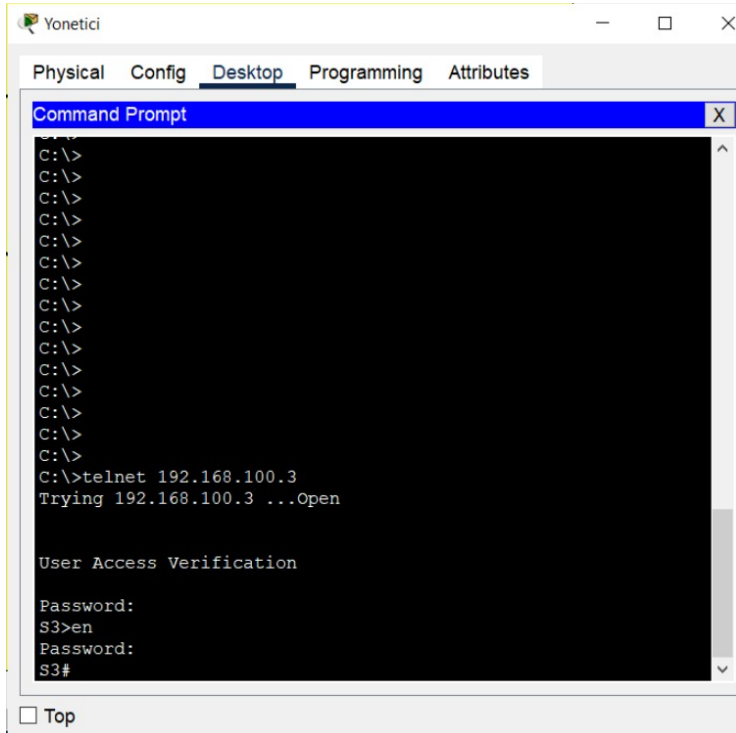
S1



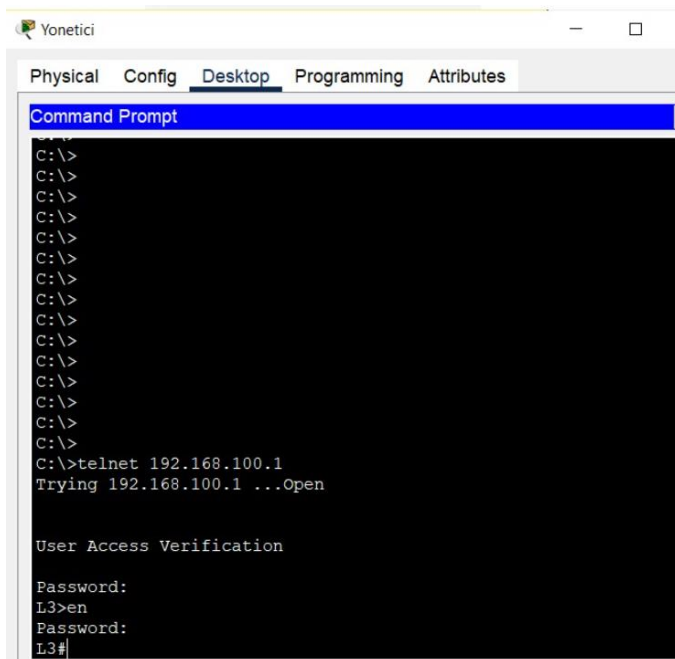
S2



S3



L3



15.Sorunun Cevabı

