**OSPF YAPILANDIRMA**

**Ospf ip ile yapılandırma**

ilk önce pc lerin iplerini ve dg lerini veriyoruz.

pc0-pc1 için dg 192.168.1.1

pc2-pc3 için dg 192.168.2.2

pc4-pc5 için dg 192.168.4.1

**router 0 için:**

enab

conf t

int g0/0

ip address 192.168.1.1 255.255.255.0

no sh

int g0/1

ip address 192.168.2.1 255.255.255.0

no sh

router ospf 10

network 192.168.1.1 0.0.0.0 area 0

network 192.168.2.1 0.0.0.0 area 0

**router 1 için:**

enab

conf t

int g0/0

ip address 192.168.3.1 255.255.255.0

no sh

int g0/2

ip address 192.168.2.2 255.255.255.0

no sh

router ospf 10

network 192.168.3.1 0.0.0.0 area 0

network 192.168.2.2 0.0.0.0 area 0

**router 2 için:**

enab

conf t

int g0/0

ip address 192.168.3.2 255.255.255.0

no sh

int g0/1

ip address 192.168.4.1 255.255.255.0

no sh

router ospf 10

network 192.168.3.2 0.0.0.0 area 0

network 192.168.4.1 0.0.0.0 area 0

**ospf network ile yapılandırma**

ilk önce pc lerin iplerini ve dg lerini veriyoruz.

pc0-pc1 için dg 192.168.1.1

pc2-pc3 için dg 192.168.2.2

pc4-pc5 için dg 192.168.4.1

**router 0 için:**

enab

conf t

int g0/0

ip address 192.168.1.1 255.255.255.0

no sh

int g0/1

ip address 192.168.2.1 255.255.255.0

no sh

router ospf 10

network 192.168.1.0 0.0.0.255 area 0

network 192.168.2.0 0.0.0.255 area 0

**router 1 için:**

enab

conf t

int g0/0

ip address 192.168.3.1 255.255.255.0

no sh

int g0/2

ip address 192.168.2.2 255.255.255.0

no sh

router ospf 10

network 192.168.3.0 0.0.0.255 area 0

network 192.168.2.0 0.0.0.255 area 0

**router 2 için:**

enab

conf t

int g0/0

ip address 192.168.3.2 255.255.255.0

no sh

int g0/1

ip address 192.168.4.1 255.255.255.0

no sh

router ospf 10

network 192.168.3.0 0.0.0.255 area 0

network 192.168.4.0 0.0.0.255 area 0

**ospf int le yapılandırma**

ilk önce pc lerin iplerini ve dg lerini veriyoruz.

pc0-pc1 için dg 192.168.1.1

pc2-pc3 için dg 192.168.2.2

pc4-pc5 için dg 192.168.4.1

**router 0 için:**

enab

conf t

int g0/0

ip address 192.168.1.1 255.255.255.0

no sh

int g0/1

ip address 192.168.2.1 255.255.255.0

router ospf 10

int range g0/0-1

ip ospf 10 area 0

**router 1 için:**

enab

conf t

int g0/0

ip address 192.168.3.1 255.255.255.0

no sh

int g0/2

ip address 192.168.2.2 255.255.255.0

no sh

int g0/0

router ospf 10

ip ospf 10 area 0

int g0/2

router ospf 10

ip ospf 10 area 0

**router 2 için:**

enab

conf t

int g0/0

ip address 192.168.3.2 255.255.255.0

no sh

int g0/1

ip address 192.168.4.1 255.255.255.0

no sh

int range g0/0-1

router ospf 10

ip ospf 10 area 0

router0

int g0/0

ip address 10.0.0.1 255.0.0.0

no sh

int g0/1

ip address 20.0.0.1 255.0.0.0

no sh

int g0/2

ip address 30.0.0.1 255.0.0.0

no sh

int s0/0/0

ip address 40.0.0.1 255.255.255.252

no sh

router ospf 10

network 10.0.0.0 0.255.255.255 area 0

network 20.0.0.0 0.255.255.255 area 0

network 30.0.0.0 0.255.255.255 area 0

network 40.0.0.0 0.0.0.3 area 0

router ospf 10

passive-interface g0/0

passive-interface g0/1

passive-interface g0/2

router 1

int g0/0

ip address 50.0.0.1 255.0.0.0

no sh

int g0/1

ip address 60.0.0.1 255.0.0.0

no sh

int s0/0/0

ip address 40.0.0.2 255.255.255.252

no sh

router ospf 10

network 40.0.0.0 0.0.0.3 area 0

network 50.0.0.0 0.255.255.255 area 0

network 60.0.0.0 0.255.255.255 area 0

router ospf 10

passive-interface g0/0

passive-interface g0/1

int s0/0/0

ip ospf hello-interval 25

ip ospf dead-interval 75

**30.0.0.0 networkünün 50.0.0.0 networküne ulaşamaması için;**

Router1

Router(config)#access-list 10 deny 30.0.0.0 0.255.255.255

Router(config)#access-list 10 permit any

Router(config)#interface gigabitEthernet 0/0

Router(config-if)#ip access-group 10 out

**sadece PC2'den Router0’a TELNET bağlantısı kurulabilmesi;**

Router0

Router(config)#ip access-list standard TELNETPC2

Router(config-std-nacl)#permit 10.0.0.3

Router(config-std-nacl)#exit

Router(config)#line vty 0 15

Router(config-line)#access-class TELNETPC2 in

**20.0.0.0 ağının 10.0.0.2'e giden ping paketlerini engelleme ve herhangi bir web sitesine HTTP ile erişimini engelleme;**

Router0

Router(config)#ip access-list extended ICMPDENY

Router(config-ext-nacl)#deny icmp 20.0.0.0 0.255.255.255 host 10.0.0.2

Router(config-ext-nacl)#deny tcp 20.0.0.0 0.255.255.255 any eq www

Router(config-ext-nacl)#permit ip any any

Router(config-ext-nacl)#exit

Router(config)#interface gigabitEthernet 0/1

Router(config-if)#ip access-group ICMPDENY in