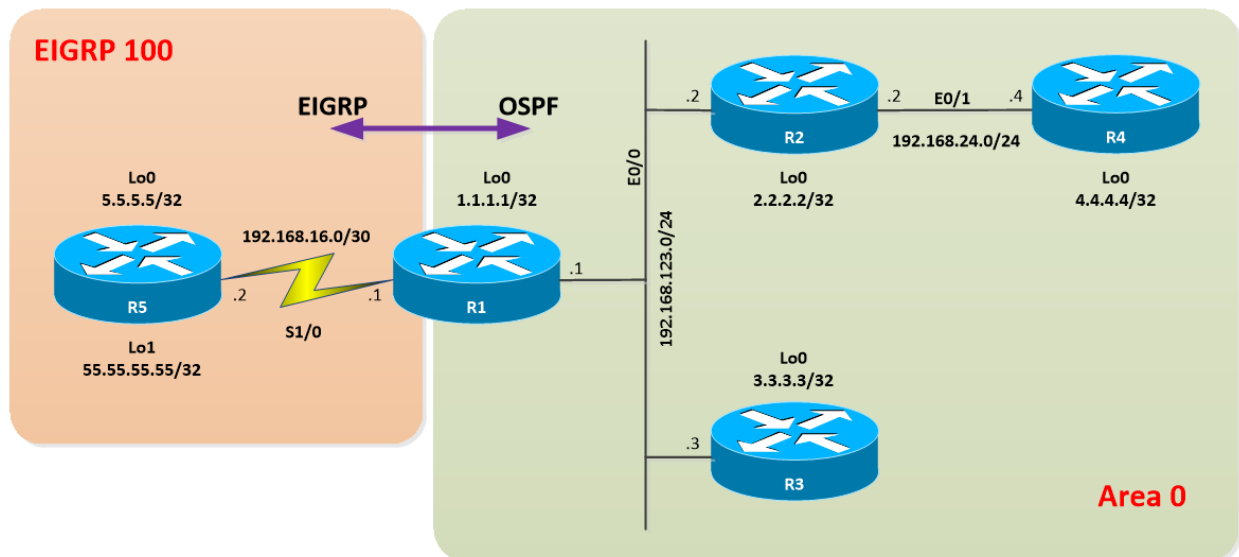


OSPF Filtering (Part III)



Initial Configurations:

R1:

```

!
hostname R1
!
no aaa new-model
no ip icmp rate-limit unreachable
no ip domain lookup
ip cef
no cdp log mismatch duplex
ip tcp synwait-time 5
!
interface Loopback0
ip address 1.1.1.1 255.255.255.255
ip ospf 1 area 0
!
interface Ethernet0/0
ip address 192.168.123.1 255.255.255.0
ip ospf 1 area 0
!
interface Serial1/0
ip address 192.168.16.1 255.255.255.252
serial restart-delay 0
!
router eigrp 100
network 192.168.16.0 0.0.0.3
redistribute ospf 1 metric 10000 100 255 1 1500

```

```

eigrp router-id 1.1.1.1
!
router ospf 1
router-id 0.0.0.1
redistribute eigrp 100 subnets
!
no ip http server
no ip http secure-server
!
line vty 0 4
exec-timeout 0 0
privilege level 15
logging synchronous
width 180
!
end

```

R2:

```

!
hostname R2
!
no aaa new-model
no ip icmp rate-limit unreachable
no ip domain lookup
ip cef
no ipv6 cef
no cdp log mismatch duplex
ip tcp synwait-time 5

```

```

!
interface Loopback0
ip address 2.2.2.2 255.255.255.255
ip ospf 1 area 0
!
interface Ethernet0/0
ip address 192.168.123.2 255.255.255.0
ip ospf 1 area 0
!
interface Ethernet0/1
ip address 192.168.24.2 255.255.255.0
ip ospf 1 area 0
!
router ospf 1
router-id 0.0.0.2
!
no ip http server
no ip http secure-server
!
line vty 0 4
exec-timeout 0 0
privilege level 15
logging synchronous
width 180
!
end

```

R3:

```

!
hostname R3
!
no aaa new-model
no ip icmp rate-limit unreachable
no ip domain lookup
ip cef
no ipv6 cef
no cdp log mismatch duplex
ip tcp synwait-time 5
!
interface Loopback0
ip address 3.3.3.3 255.255.255.255
ip ospf 1 area 0
!
interface Ethernet0/0
ip address 192.168.123.3 255.255.255.0
ip ospf 1 area 0
!
router ospf 1
router-id 0.0.0.3
!
no ip http server
no ip http secure-server
!
line vty 0 4
exec-timeout 0 0
privilege level 15

```

```

logging synchronous
width 180
!
end

```

R4:

```

!
hostname R4
!
no aaa new-model
no ip icmp rate-limit unreachable
no ip domain lookup
ip cef
no ipv6 cef
no cdp log mismatch duplex
ip tcp synwait-time 5
!
interface Loopback0
ip address 4.4.4.4 255.255.255.255
ip ospf 1 area 0
!
interface Ethernet0/0
no ip address
shutdown
!
interface Ethernet0/1
ip address 192.168.24.4 255.255.255.0
ip ospf 1 area 0
!
router ospf 1
router-id 0.0.0.4
!
no ip http server
no ip http secure-server
!
line vty 0 4
exec-timeout 0 0
privilege level 15
logging synchronous
width 180
!
end

```

R5:

```

!
hostname R5
!
no aaa new-model
no ip icmp rate-limit unreachable
no ip domain lookup
ip cef
no ipv6 cef
no cdp log mismatch duplex
ip tcp synwait-time 5

```

```
!  
interface Loopback0  
ip address 5.5.5.5 255.255.255.255  
!  
interface Loopback1  
ip address 55.55.55.55 255.255.255.255  
!  
interface Ethernet0/0  
no ip address  
shutdown  
!  
interface Serial1/0  
ip address 192.168.16.2 255.255.255.252  
serial restart-delay 0  
!  
router eigrp 100  
network 5.5.5.5 0.0.0.0  
network 55.55.55.55 0.0.0.0  
network 192.168.16.0 0.0.0.3  
eigrp router-id 5.5.5.5  
!  
no ip http server  
no ip http secure-server  
!  
line vty 0 4  
exec-timeout 0 0  
privilege level 15  
logging synchronous  
width 180  
!  
end
```