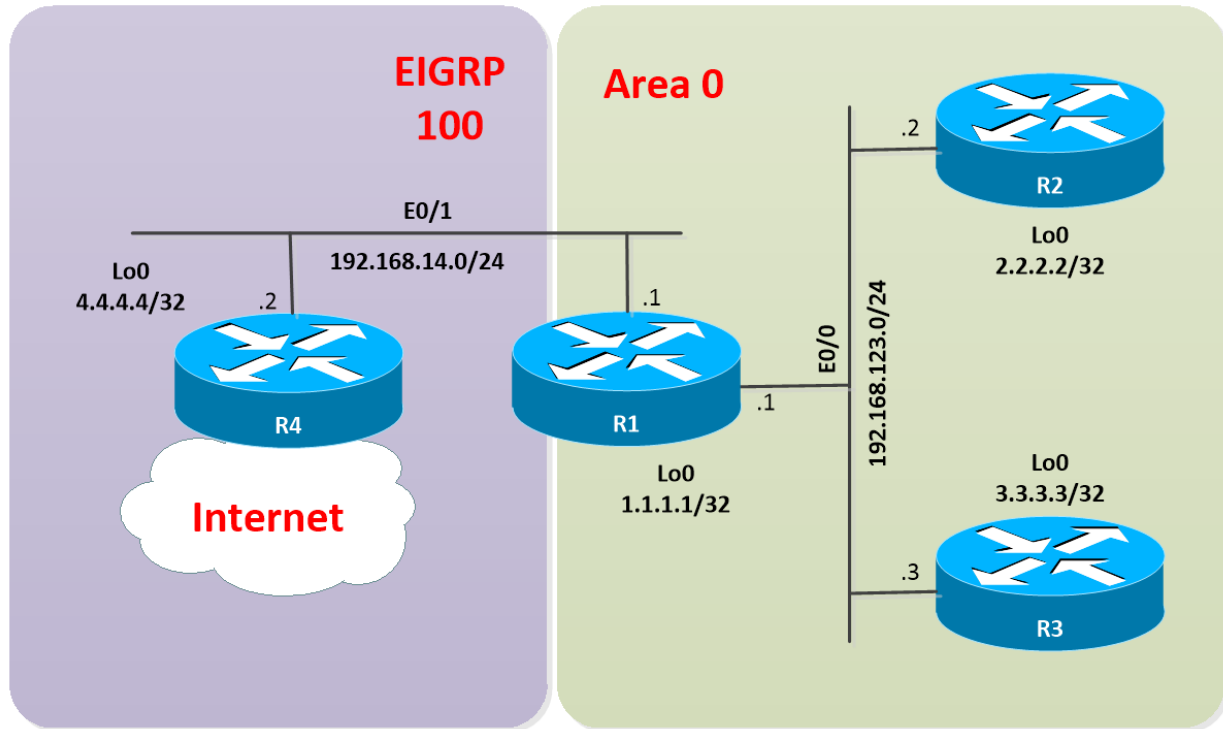


OSPF Conditional and Reliable Conditional Default Routing



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 Ethernet0/1  
ip address 192.168.14.1 255.255.255.0  
!  
router eigrp 100  
network 192.168.14.0  
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  
default-information originate always  
!  
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
!
interface Ethernet0/0
ip address 192.168.123.2 255.255.255.0
!
router ospf 1
router-id 0.0.0.2
network 0.0.0.0 255.255.255.255 area 0
!
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
```

```
!
interface Ethernet0/0
ip address 192.168.123.3 255.255.255.0
!
router ospf 1
router-id 0.0.0.3
network 0.0.0.0 255.255.255.255 area 0
!
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
!
interface Ethernet0/0
no ip address
!
interface Ethernet0/1
ip address 192.168.14.2 255.255.255.0
!
router eigrp 100
network 4.4.4.4 0.0.0.0
network 192.168.14.0
eigrp router-id 4.4.4.4
!
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
```