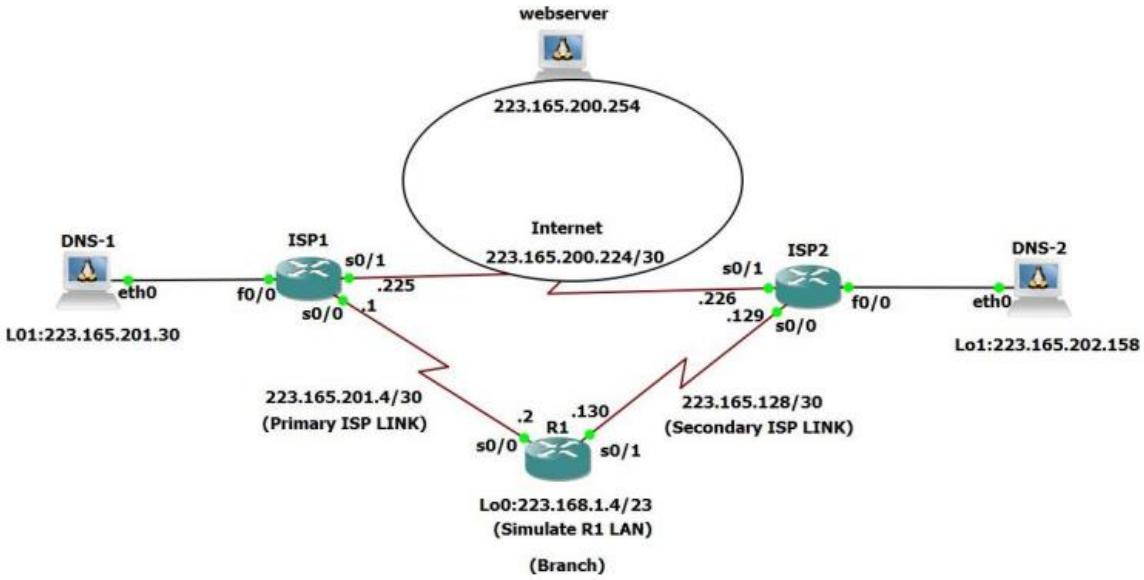
1.configure IP SLA TRACKING AND PATH CONTROL TOPOLOGY1



Router R1

Interface Loopback 0

Ip address 223.168.1.4 255.255.255.0

Interface serial 0/0/0

Ip address 223.165.201.2 255.255.255.252

no shutdown

interface serial 0/0/1

ip address 223.165.202.130 255.255.255.252

Router ISP1(R2)

Interface Loopback 0

Ip address 223.165.200.254 255.255.255.255

Interface Loopback 1

Ip address 223.165.201.30 255.255.255.255

Int s0/0

Ip address 223.165.201.1 255.255.255.252

no shutdown

int s0/1

ip address 223.165.200.225 255.255.255.252

no shutdown

ISP2 Router 3:

Interface Loopback 0

ip address 223.165.200.254 255.255.255.255

Interface Loopback 1

ip address 223.165.202.158 255.255.255.255

Ints0/0

Ip address 223.165.202.129 255.255.255.252

no shutdown

ints0/1

ip address 223.165.200.226 255.255.255.255

Router R1

ip config

Router R1 ip route 0.0.0.0 0.0.0.0 223.165.201.

Router ISP1 (R2)

Router eigrp 1

network 223.165.200.224 0.0.03

network 223.165.201.4 0.0.0.31

no auto-summary

ip route 223.168.1.0 255.255.255.0 223.165.201.2

Router ISP2 (R3)

Router eigrp 1

Network 223.165.200.224 0.0.0.0

Network 223.165.202.128 0.0.031

no auto-summary

ip route 223.168.1.0 255.255.255.0 223.165.202.130

R1(tcl) # foreach address {

+>(tcl) #223.165.200.254

+>(tcl) #223.165.201.30

+>(tcl) #223.165.202.158

+>(tcl) #}

{ +>(tcl) #ping $address source 223.168.1.4

+>(tcl) #}

Step 3: Configure IP SLA probes.

R1(config)# ip sla 11

R1(config-ip-sla)# icmp-echo 223.165.201.30

R1(config-ip-sla-echo) # frequency 10

R1(config-ip-sla-echo) #exit

R1# show ip sla configuration 11

R1# show ip sla configuration 22

R1# show ip sla statistics 22

R1(config) # no ip route 0.0.0.0 0.0.0.0 223.165.201.1

R1(config) #ip route 0.0.0.0 0.0.0.0 223.165.201.1 5

R1# show ip route

R1(config)# track 1 ip sla 11 reachability

R1(config-track) #

R1# debug ip routing:

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ip route 0.0.0.0 0.0.0.0 223.165.202.129 3 track 2

Verify the Routing table again. R1# show ip route

Verify IP SLA operation.

ISP1(config)# interface loopback 1

ISP1(config-if) #shutdown

. Verify the routing table.

R1# show ip route

c. Verify the SLA statistics.

R1# show ip sla statistics

d. Initiate a trace to the web server from the internal LAN IP address.

R1# trace 223.165.200.254 source 223.168.1.4

e. Again Examine the IP SLA statistics.

R1# show ip sla statistics

f. Verify the Routing Table.

R1# show ip route