Tecnológico de Costa Rica

Laboratorio 4 – EIGRP

Maestría en Ciencias de la Computación

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Salida del comando show ip route

Router 1

Gateway of last resort is not set

C 1.0.0.0/8 is directly connected, FastEthernet0/0
D 2.0.0.0/8 [90/3196416] via 200.10.20.5, 00:18:51, Serial0/0/0
D 3.0.0.0/8 [90/2172416] via 200.10.20.5, 00:20:04, Serial0/0/0
D 4.0.0.0/8 [90/2684416] via 200.10.20.5, 00:08:57, Serial0/0/0
172.168.0.0/16 is variably subnetted, 2 subnets, 2 masks
D 172.168.0.0/16 [90/4217856] via 200.10.20.5, 00:18:51, Serial0/0/0
D 172.168.10.4/30 [90/2681856] via 200.10.20.5, 00:39:14, Serial0/0/0
192.168.10.0/30 is subnetted, 1 subnets
D 192.168.10.4 [90/3193856] via 200.10.20.5, 00:39:14, Serial0/0/0
200.10.20.0/24 is variably subnetted, 2 subnets, 2 masks
D 200.10.20.0/24 [90/4729856] via 200.10.20.5, 00:18:51, Serial0/0/0
C 200.10.20.4/30 is directly connected, Serial0/0/0

Router 2

Gateway of last resort is not set

D 1.0.0.0/8 [90/3196416] via 192.168.10.5, 00:25:34, Serial0/0/0
C 2.0.0.0/8 is directly connected, FastEthernet0/0
D 3.0.0.0/8 [90/2684416] via 192.168.10.5, 00:20:36, Serial0/0/0
D 4.0.0.0/8 [90/2172416] via 192.168.10.5, 00:09:29, Serial0/0/0
172.168.0.0/16 is variably subnetted, 2 subnets, 2 masks
D 172.168.0.0/16 is a summary, 00:19:23, Null0
D 172.168.10.4/30 [90/2681856] via 192.168.10.5, 00:39:47, Serial0/0/0
192.168.10.0/24 is variably subnetted, 2 subnets, 2 masks
D 192.168.10.0/24 is a summary, 00:19:23, Null0
C 192.168.10.4/30 is directly connected, Serial0/0/0
200.10.20.0/24 is variably subnetted, 2 subnets, 2 masks
D 200.10.20.0/24 is a summary, 00:19:23, Null0

Router 3

Gateway of last resort is not set

D 1.0.0.0/8 [90/2172416] via 200.10.20.6, 00:26:04, Serial0/0/1
D 2.0.0.0/8 [90/2684416] via 172.168.10.6, 00:19:53, Serial0/0/0
C 3.0.0.0/8 is directly connected, FastEthernet0/0
D 4.0.0.0/8 [90/2172416] via 172.168.10.6, 00:09:59, Serial0/0/0
172.168.0.0/16 is variably subnetted, 2 subnets, 2 masks
D 172.168.0.0/16 [90/3705856] via 172.168.10.6, 00:19:53, Serial0/0/0
C 172.168.10.4/30 is directly connected, Serial0/0/0
192.168.10.0/30 is subnetted, 1 subnets
D 192.168.10.4 [90/2681856] via 172.168.10.6, 00:40:19, Serial0/0/0
200.10.20.0/24 is variably subnetted, 2 subnets, 2 masks
D 200.10.20.0/24 [90/4217856] via 172.168.10.6, 00:19:53, Serial0/0/0
C 200.10.20.4/30 is directly connected, Serial0/0/1

Router 4

Gateway of last resort is not set

D 1.0.0.0/8 [90/2684416] via 172.168.10.5, 00:26:26, Serial0/0/0
D 2.0.0.0/8 [90/2172416] via 192.168.10.6, 00:20:15, Serial0/0/1
D 3.0.0.0/8 [90/2172416] via 172.168.10.5, 00:21:28, Serial0/0/0
C 4.0.0.0/8 is directly connected, FastEthernet0/0
172.168.0.0/16 is variably subnetted, 2 subnets, 2 masks
D 172.168.0.0/16 [90/3193856] via 192.168.10.6, 00:20:15, Serial0/0/1
C 172.168.10.4/30 is directly connected, Serial0/0/0
192.168.10.0/30 is subnetted, 1 subnets
C 192.168.10.4 is directly connected, Serial0/0/1
200.10.20.0/24 is variably subnetted, 2 subnets, 2 masks
D 200.10.20.0/24 [90/3705856] via 192.168.10.6, 00:20:15, Serial0/0/1
D 200.10.20.4/30 [90/2681856] via 172.168.10.5, 00:40:41, Serial0/0/0

Salida del comando show ip protocol

Router 1

Routing Protocol is "eigrp 712 "
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Default networks flagged in outgoing updates
Default networks accepted from incoming updates
EIGRP metric weight K1=1, K2=0, K3=1, K4=0, K5=0
EIGRP maximum hopcount 100
EIGRP maximum metric variance 1
Redistributing: eigrp 712
Automatic network summarization is not in effect
Maximum path: 4
Routing for Networks:
200.10.20.4/30
1.0.0.0/30
Routing Information Sources:
Gateway Distance Last Update
200.10.20.5 90 8684
Distance: internal 90 external 170

Router 2

Routing Protocol is "eigrp 712 "
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Default networks flagged in outgoing updates
Default networks accepted from incoming updates
EIGRP metric weight K1=1, K2=0, K3=1, K4=0, K5=0
EIGRP maximum hopcount 100
EIGRP maximum metric variance 1
Redistributing: eigrp 712
Automatic network summarization is in effect
Automatic address summarization:
172.168.0.0/16 for Serial0/0/0, FastEthernet0/0
Summarizing with metric 2681856
192.168.10.0/24 for FastEthernet0/0
Summarizing with metric 2169856
200.10.20.0/24 for Serial0/0/0, FastEthernet0/0
Summarizing with metric 3193856
Maximum path: 4
Routing for Networks:

192.168.10.4/30
2.0.0.0/24

Router 3

Routing Protocol is "eigrp 712 "
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Default networks flagged in outgoing updates
Default networks accepted from incoming updates
EIGRP metric weight K1=1, K2=0, K3=1, K4=0, K5=0
EIGRP maximum hopcount 100
EIGRP maximum metric variance 1
Redistributing: eigrp 712
Automatic network summarization is not in effect
Maximum path: 4
Routing for Networks:
172.168.10.4/30
200.10.20.4/30
3.0.0.0/24
Routing Information Sources:
Gateway Distance Last Update
172.168.10.6 90 5253
200.10.20.6 90 8684
Distance: internal 90 external 170

Router 4

Routing Protocol is "eigrp 712 "
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Default networks flagged in outgoing updates
Default networks accepted from incoming updates
EIGRP metric weight K1=1, K2=0, K3=1, K4=0, K5=0
EIGRP maximum hopcount 100
EIGRP maximum metric variance 1
Redistributing: eigrp 712
Automatic network summarization is not in effect
Maximum path: 4
Routing for Networks:
192.168.10.4/30
172.168.10.4/30
4.0.0.0/24
Routing Information Sources:
Gateway Distance Last Update
172.168.10.5 90 5253

192.168.10.6 90 7481
Distance: internal 90 external 170