**Tecnológico de Costa Rica**

**Maestría en Ciencias de la Computación**

**Laboratorio 4 – EIGRP**

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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