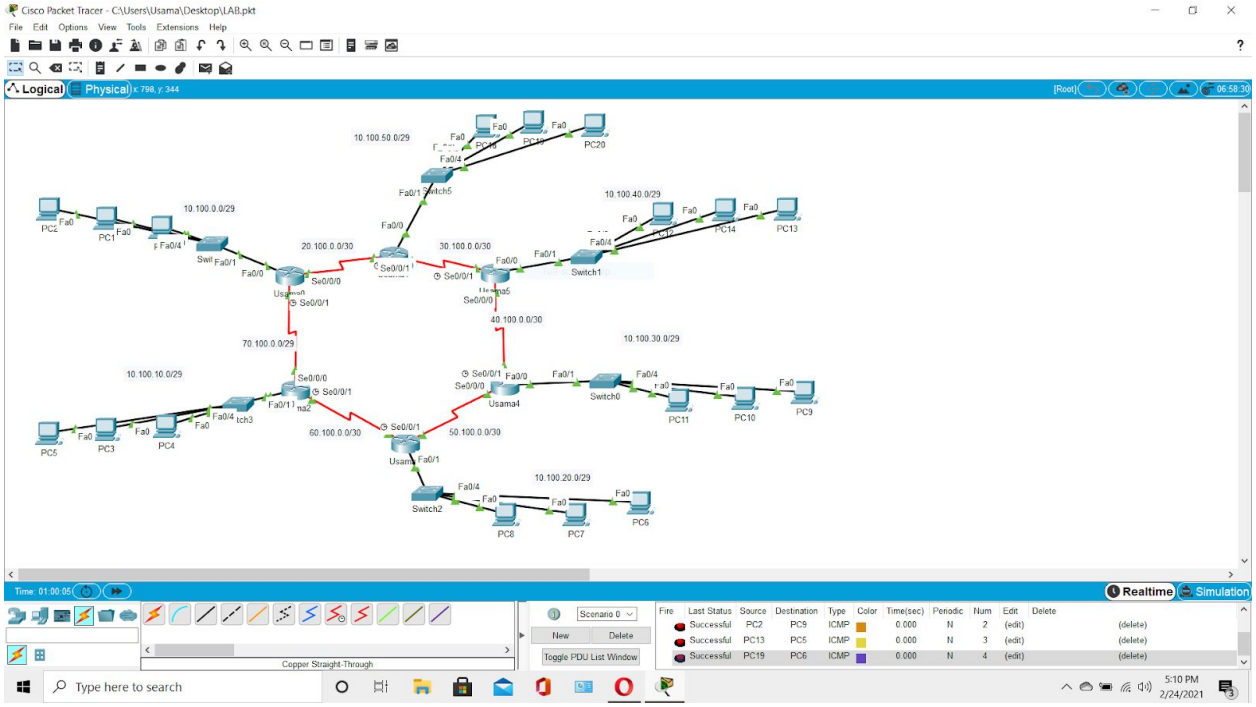
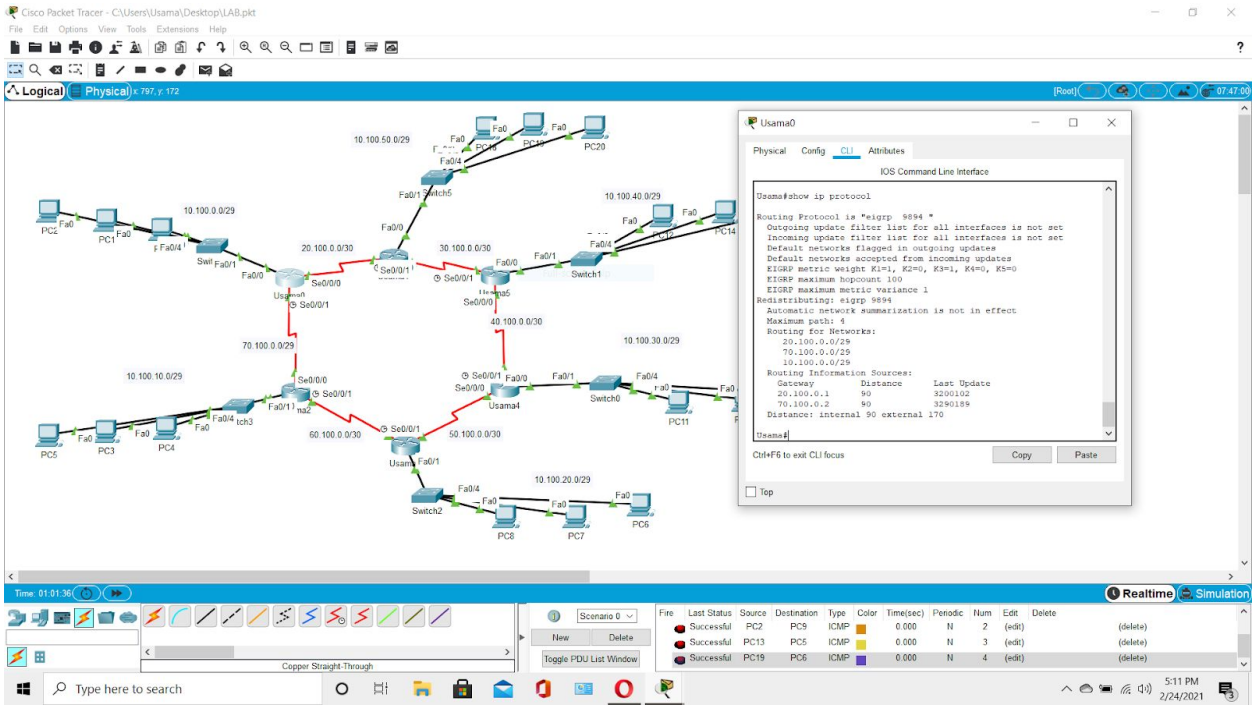
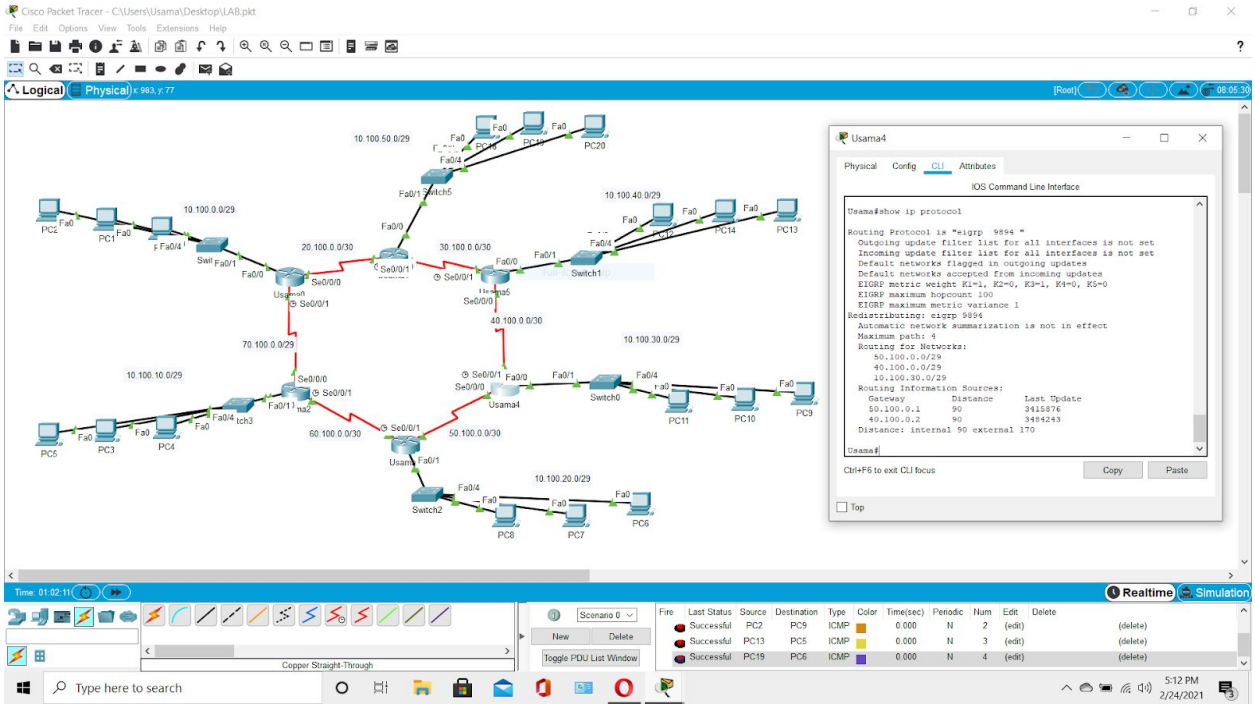
LAB TASK EIGRP

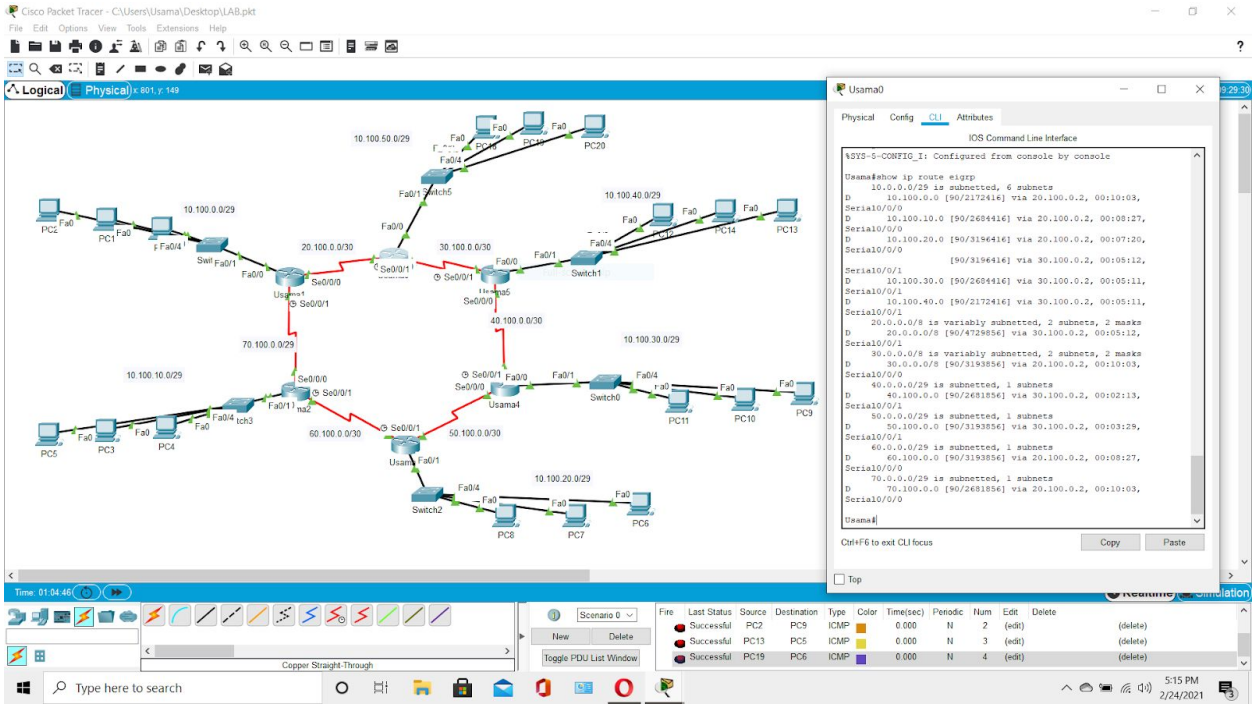
Usama Rehman
9894

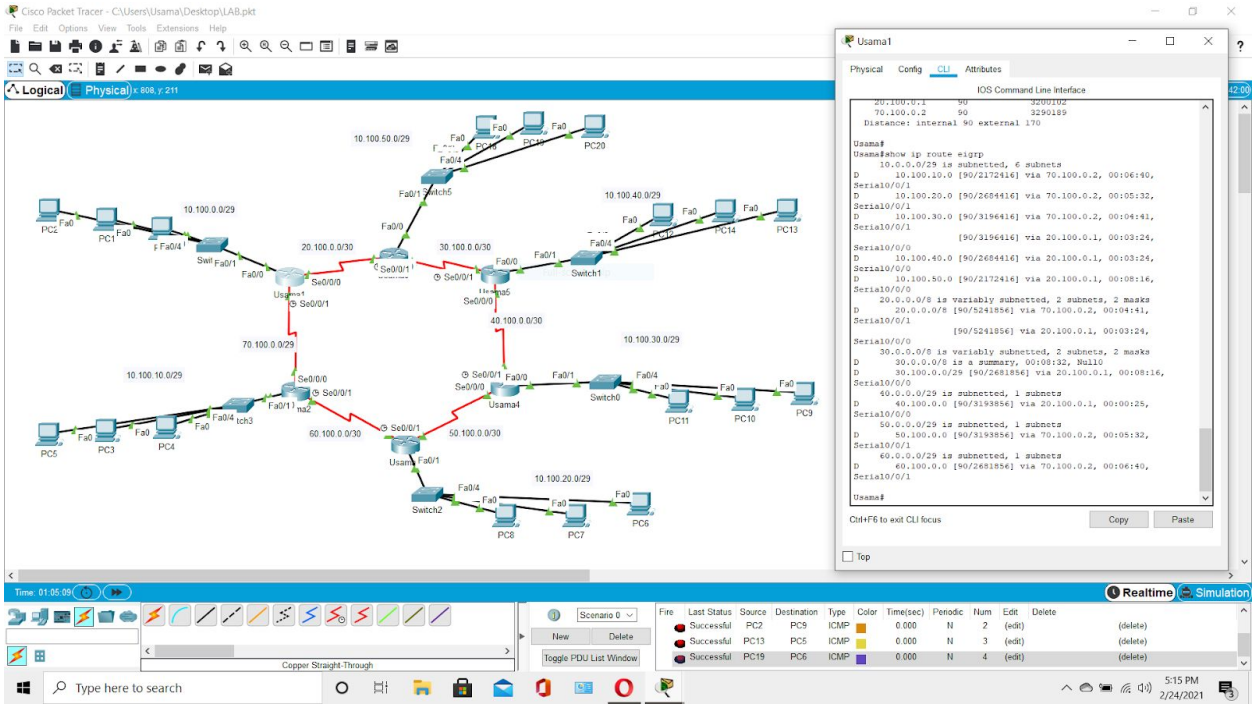
Screenshots :-

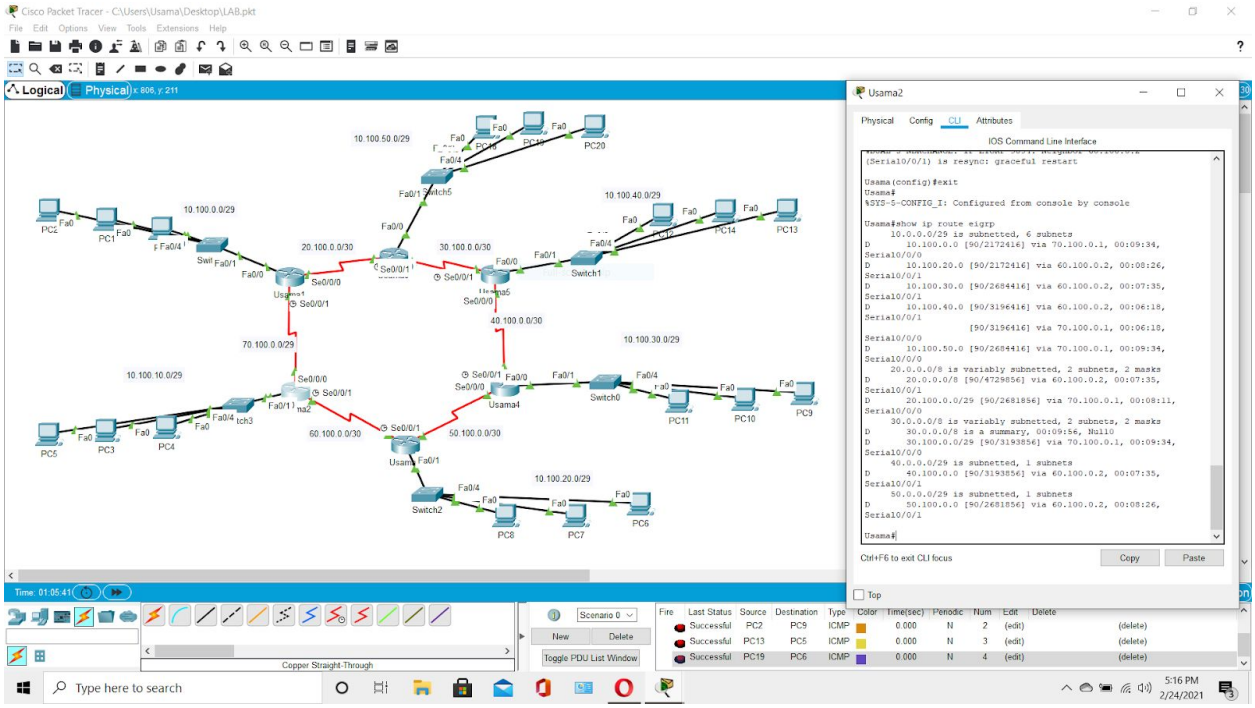


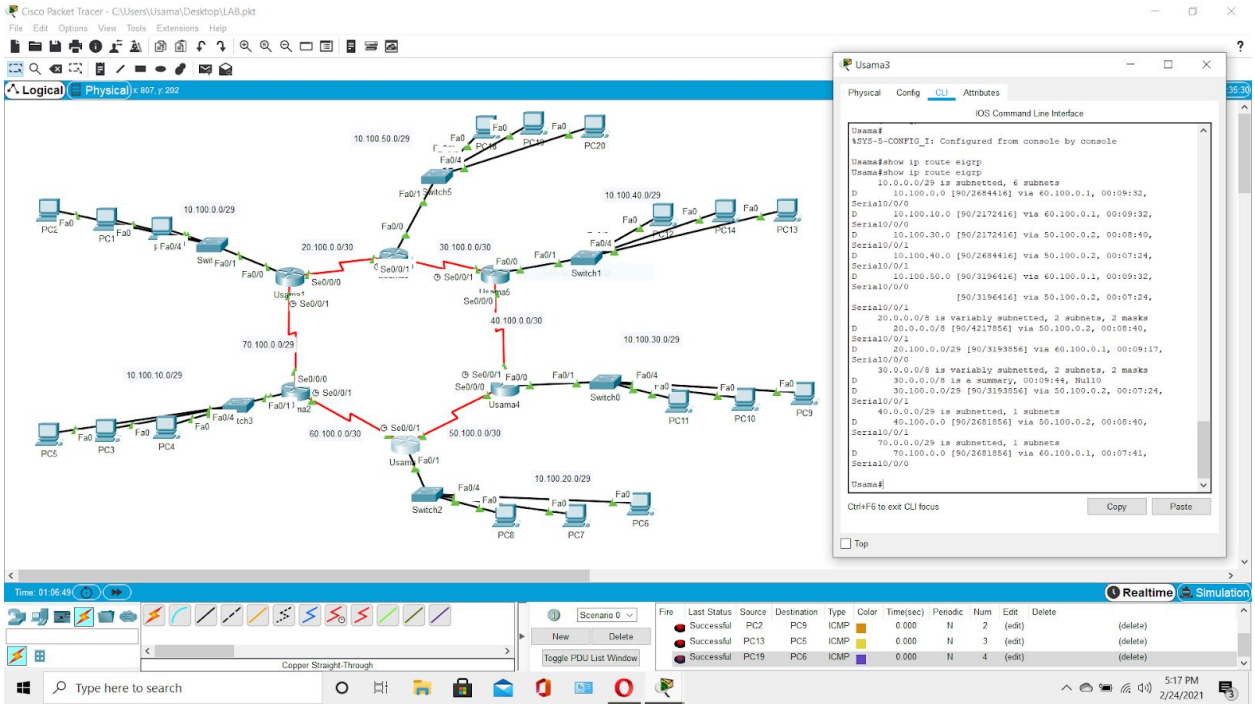


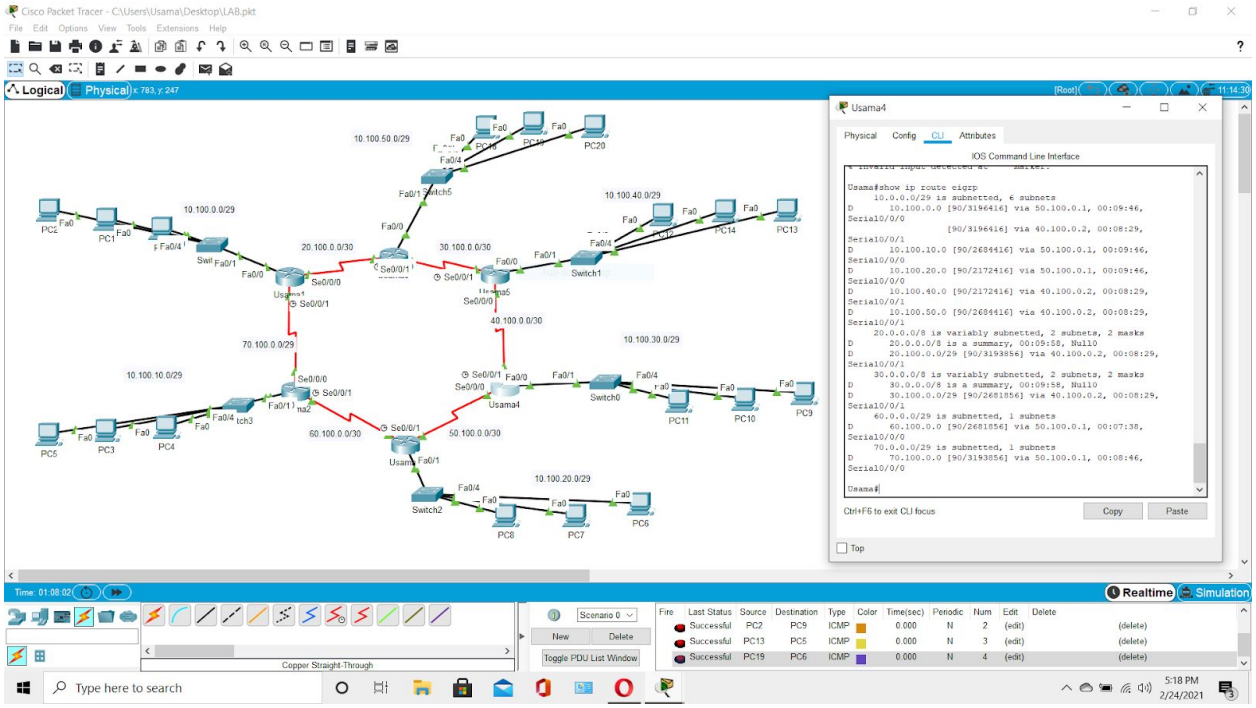

Cisco Packet Tracer - C:\Users\Usama\Desktop\LAB.pkt
Usama4
Physical Config CLI Attributes
IOS Command Line Interface
Usama#show ip protocol
Routing Protocol is "eigrp 9894 "
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Default networks 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 9894
Automatic network summarization is not in effect
Maximum path: 4
Routing for Networks:
50.100.0.0/29
40.100.0.0/29
10.100.30.0/29
Routing Information Sources:
Gateway Distance Last Update
50.100.0.1 90 3415876
40.100.0.2 90 3484243
Distance: internal 90 external 170
Usama#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
10.100.50.0/29
10.100.0.0/29
10.100.40.0/29
20.100.0.0/30
30.100.0.0/30
40.100.0.0/30
70.100.0.0/29
10.100.30.0/29
10.100.10.0/29
60.100.0.0/30
50.100.0.0/30
10.100.20.0/29
Realtime
Simulation
Copper Straight-Through
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Successful PC2 PC9 ICMP 0.000 N 2 (edit) (delete)
Successful PC13 PC5 ICMP 0.000 N 3 (edit) (delete)
Successful PC19 PC6 ICMP 0.000 N 4 (edit) (delete)
Type here to search
5:12 PM
2/24/2021

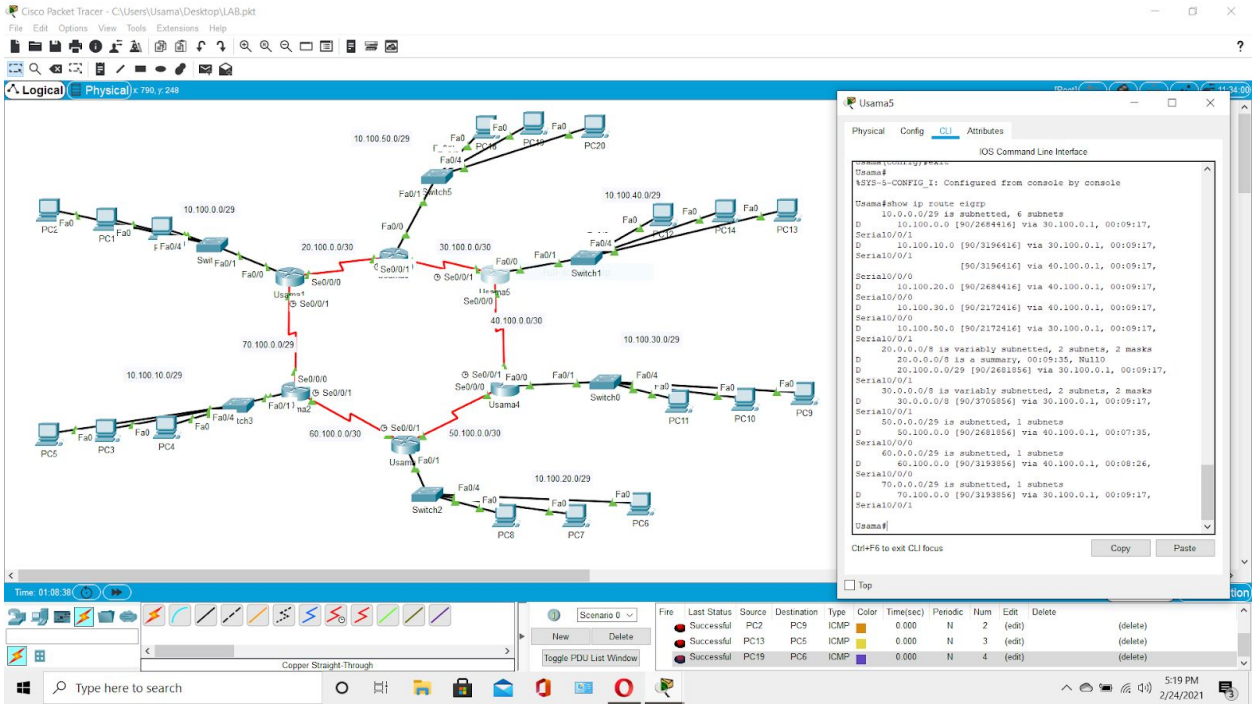

Cisco Packet Tracer - C:\Users\Usama\Desktop\LAB.pkt
Usama0
Physical Config CLI Attributes
IOS Command Line Interface
%SYS-5-CONFIG_I: Configured from console by console
Usama#show ip route eigrp
10.0.0.0/29 is subnetted, 6 subnets
D 10.100.0.0 [90/2172416] via 20.100.0.2, 00:10:03,
Serial0/0/0
D 10.100.10.0 [90/2684416] via 20.100.0.2, 00:08:27,
Serial0/0/0
D 10.100.20.0 [90/3196416] via 20.100.0.2, 00:07:20,
Serial0/0/0
[90/3196416] via 30.100.0.2, 00:05:12,
Serial0/0/1
D 10.100.30.0 [90/2684416] via 30.100.0.2, 00:05:11,
Serial0/0/1
D 10.100.40.0 [90/2172416] via 30.100.0.2, 00:05:11,
Serial0/0/1
20.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
D 20.0.0.0/8 [90/4729856] via 30.100.0.2, 00:05:12,
Serial0/0/1
30.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
D 30.0.0.0/8 [90/3193856] via 20.100.0.2, 00:10:03,
Serial0/0/0
40.0.0.0/29 is subnetted, 1 subnets
D 40.100.0.0 [90/2681856] via 30.100.0.2, 00:02:13,
Serial0/0/1
50.0.0.0/29 is subnetted, 1 subnets
D 50.100.0.0 [90/3193856] via 30.100.0.2, 00:03:29,
Serial0/0/1
60.0.0.0/29 is subnetted, 1 subnets
D 60.100.0.0 [90/3193856] via 20.100.0.2, 00:08:27,
Serial0/0/0
70.0.0.0/29 is subnetted, 1 subnets
D 70.100.0.0 [90/2681856] via 20.100.0.2, 00:10:03,
Serial0/0/0
Usama#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
10.100.50.0/29
10.100.0.0/29
10.100.40.0/29
20.100.0.0/30
30.100.0.0/30
40.100.0.0/30
70.100.0.0/29
10.100.30.0/29
10.100.10.0/29
60.100.0.0/30
50.100.0.0/30
10.100.20.0/29
Copper Straight-Through
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Successful PC2 PC9 ICMP 0.000 N 2 (edit) (delete)
Successful PC13 PC5 ICMP 0.000 N 3 (edit) (delete)
Successful PC19 PC6 ICMP 0.000 N 4 (edit) (delete)
Type here to search
5:15 PM
2/24/2021


Cisco Packet Tracer - C:\Users\Usama\Desktop\LAB.pkt
Usama1
Physical Config CLI Attributes
IOS Command Line Interface
Usama#show ip route eigrp
10.0.0.0/29 is subnetted, 6 subnets
10.100.10.0 [90/2172416] via 70.100.0.2, 00:06:40,
10.100.20.0 [90/2684416] via 70.100.0.2, 00:05:32,
10.100.30.0 [90/3196416] via 70.100.0.2, 00:04:41,
[90/3196416] via 20.100.0.1, 00:03:24,
10.100.40.0 [90/2684416] via 20.100.0.1, 00:03:24,
10.100.50.0 [90/2172416] via 20.100.0.1, 00:08:16,
20.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
20.0.0.0/8 [90/5241856] via 70.100.0.2, 00:04:41,
[90/5241856] via 20.100.0.1, 00:03:24,
30.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
30.0.0.0/8 is a summary, 00:08:32, Null0
30.100.0.0/29 [90/2681856] via 20.100.0.1, 00:08:16,
40.0.0.0/29 is subnetted, 1 subnets
40.100.0.0 [90/3193856] via 20.100.0.1, 00:00:25,
50.0.0.0/29 is subnetted, 1 subnets
50.100.0.0 [90/3193856] via 70.100.0.2, 00:05:32,
60.0.0.0/29 is subnetted, 1 subnets
60.100.0.0 [90/2681856] via 70.100.0.2, 00:06:40,
Usama#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
10.100.50.0/29
10.100.0.0/29
10.100.40.0/29
20.100.0.0/30
30.100.0.0/30
40.100.0.0/30
70.100.0.0/29
10.100.30.0/29
10.100.10.0/29
60.100.0.0/30
50.100.0.0/30
10.100.20.0/29
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Type here to search
5:15 PM
2/24/2021


Cisco Packet Tracer - C:\Users\Usama\Desktop\LAB.pkt
Usama2
Physical Config CLI Attributes
IOS Command Line Interface
(Serial0/0/1) is resync: graceful restart
Usama(config)#exit
Usama#
%SYS-5-CONFIG_I: Configured from console by console
Usama#show ip route eigrp
10.0.0.0/29 is subnetted, 6 subnets
10.100.0.0 [90/2172416] via 70.100.0.1, 00:09:34,
10.100.20.0 [90/2172416] via 60.100.0.2, 00:08:26,
10.100.30.0 [90/2684416] via 60.100.0.2, 00:07:35,
10.100.40.0 [90/3196416] via 60.100.0.2, 00:06:18,
[90/3196416] via 70.100.0.1, 00:06:18,
10.100.50.0 [90/2684416] via 70.100.0.1, 00:09:34,
20.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
20.0.0.0/8 [90/4729856] via 60.100.0.2, 00:07:35,
20.100.0.0/29 [90/2681856] via 70.100.0.1, 00:08:11,
30.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
30.0.0.0/8 is a summary, 00:09:34, Null0
30.100.0.0/29 [90/3193856] via 70.100.0.1, 00:09:34,
40.0.0.0/29 is subnetted, 1 subnets
40.100.0.0 [90/3193856] via 60.100.0.2, 00:07:35,
50.0.0.0/29 is subnetted, 1 subnets
50.100.0.0 [90/2681856] via 60.100.0.2, 00:08:26,
Usama#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
10.100.50.0/29
10.100.0.0/29
10.100.40.0/29
20.100.0.0/30
30.100.0.0/30
40.100.0.0/30
70.100.0.0/29
10.100.30.0/29
10.100.10.0/29
60.100.0.0/30
50.100.0.0/30
10.100.20.0/29
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Type here to search
5:16 PM
2/24/2021


Cisco Packet Tracer - C:\Users\Usama\Desktop\LAB.pkt
Usama3
Physical
Config
CLI
Attributes
IOS Command Line Interface
%SYS-5-CONFIG_I: Configured from console by console
Usama#show ip route eigrp
Usama#show ip route eigrp
10.0.0.0/29 is subnetted, 6 subnets
D 10.100.0.0 [90/2684416] via 60.100.0.1, 00:09:32, Serial0/0/0
D 10.100.10.0 [90/2172416] via 60.100.0.1, 00:09:32, Serial0/0/0
D 10.100.30.0 [90/2172416] via 50.100.0.2, 00:08:40, Serial0/0/1
D 10.100.40.0 [90/2684416] via 50.100.0.2, 00:07:24, Serial0/0/1
D 10.100.50.0 [90/3196416] via 60.100.0.1, 00:09:32, Serial0/0/0
[90/3196416] via 50.100.0.2, 00:07:24, Serial0/0/1
20.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
D 20.0.0.0/8 [90/4217856] via 50.100.0.2, 00:08:40, Serial0/0/1
D 20.100.0.0/29 [90/3193856] via 60.100.0.1, 00:09:17, Serial0/0/0
30.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
D 30.0.0.0/8 is a summary, 00:09:44, Null0
D 30.100.0.0/29 [90/3193856] via 50.100.0.2, 00:07:24, Serial0/0/1
40.0.0.0/29 is subnetted, 1 subnets
D 40.100.0.0 [90/2681856] via 50.100.0.2, 00:08:40, Serial0/0/1
70.0.0.0/29 is subnetted, 1 subnets
D 70.100.0.0 [90/2681856] via 60.100.0.1, 00:07:41, Serial0/0/0
Usama#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
Logical
Physical
10.100.50.0/29
10.100.0.0/29
10.100.40.0/29
20.100.0.0/30
30.100.0.0/30
40.100.0.0/30
70.100.0.0/29
10.100.10.0/29
10.100.30.0/29
60.100.0.0/30
50.100.0.0/30
10.100.20.0/29
Switch5
Switch1
Switch0
Switch2
PC0
PC1
PC2
PC3
PC4
PC5
PC6
PC7
PC8
PC9
PC10
PC11
PC12
PC13
PC14
PC19
PC20
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful PC2 PC9 ICMP 0.000 N 2 (edit) (delete)
Successful PC13 PC5 ICMP 0.000 N 3 (edit) (delete)
Successful PC19 PC6 ICMP 0.000 N 4 (edit) (delete)
Type here to search
5:17 PM
2/24/2021


Cisco Packet Tracer - C:\Users\Usama\Desktop\LAB.pkt
Logical
Physical
Usama4
Physical Config CLI Attributes
IOS Command Line Interface
Usama#show ip route eigrp
10.0.0.0/29 is subnetted, 6 subnets
D 10.100.0.0 [90/3196416] via 50.100.0.1, 00:09:46, Serial0/0/0
[90/3196416] via 40.100.0.2, 00:08:29, Serial0/0/1
D 10.100.10.0 [90/2684416] via 50.100.0.1, 00:09:46, Serial0/0/0
D 10.100.20.0 [90/2172416] via 50.100.0.1, 00:09:46, Serial0/0/0
D 10.100.40.0 [90/2172416] via 40.100.0.2, 00:08:29, Serial0/0/1
D 10.100.50.0 [90/2684416] via 40.100.0.2, 00:08:29, Serial0/0/1
20.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
D 20.0.0.0/8 is a summary, 00:09:58, Null0
D 20.100.0.0/29 [90/3193856] via 40.100.0.2, 00:08:29, Serial0/0/1
30.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
D 30.0.0.0/8 is a summary, 00:09:58, Null0
D 30.100.0.0/29 [90/2681856] via 40.100.0.2, 00:08:29, Serial0/0/1
60.0.0.0/29 is subnetted, 1 subnets
D 60.100.0.0 [90/2681856] via 50.100.0.1, 00:07:38, Serial0/0/0
70.0.0.0/29 is subnetted, 1 subnets
D 70.100.0.0 [90/3193856] via 50.100.0.1, 00:08:46, Serial0/0/0
Usama#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
10.100.50.0/29
10.100.0.0/29
10.100.40.0/29
20.100.0.0/30
30.100.0.0/30
40.100.0.0/30
70.100.0.0/29
10.100.10.0/29
10.100.30.0/29
60.100.0.0/30
50.100.0.0/30
10.100.20.0/29
Realtime
Simulation
Copper Straight-Through
Type here to search
5:18 PM
2/24/2021


Cisco Packet Tracer - C:\Users\Usama\Desktop\LAB.pkt
Logical
Physical
Usama5
Physical Config CLI Attributes
IOS Command Line Interface
Usama#
%SYS-5-CONFIG_I: Configured from console by console
Usama#show ip route eigrp
10.0.0.0/29 is subnetted, 6 subnets
D 10.100.0.0 [90/2684416] via 30.100.0.1, 00:09:17, Serial0/0/1
D 10.100.10.0 [90/3196416] via 30.100.0.1, 00:09:17, Serial0/0/1
[90/3196416] via 40.100.0.1, 00:09:17, Serial0/0/0
D 10.100.20.0 [90/2684416] via 40.100.0.1, 00:09:17, Serial0/0/0
D 10.100.30.0 [90/2172416] via 40.100.0.1, 00:09:17, Serial0/0/0
D 10.100.50.0 [90/2172416] via 30.100.0.1, 00:09:17, Serial0/0/1
20.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
D 20.0.0.0/8 is a summary, 00:09:35, Null0
D 20.100.0.0/29 [90/2681856] via 30.100.0.1, 00:09:17, Serial0/0/1
30.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
D 30.0.0.0/8 [90/3705856] via 30.100.0.1, 00:09:17, Serial0/0/1
50.0.0.0/29 is subnetted, 1 subnets
D 50.100.0.0 [90/2681856] via 40.100.0.1, 00:07:35, Serial0/0/0
60.0.0.0/29 is subnetted, 1 subnets
D 60.100.0.0 [90/3193856] via 40.100.0.1, 00:08:26, Serial0/0/0
70.0.0.0/29 is subnetted, 1 subnets
D 70.100.0.0 [90/3193856] via 30.100.0.1, 00:09:17, Serial0/0/1
Usama#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top
10.100.50.0/29
10.100.0.0/29
10.100.40.0/29
20.100.0.0/30
30.100.0.0/30
40.100.0.0/30
70.100.0.0/29
10.100.10.0/29
10.100.30.0/29
60.100.0.0/30
50.100.0.0/30
10.100.20.0/29
Copper Straight-Through
Type here to search
5:19 PM
2/24/2021