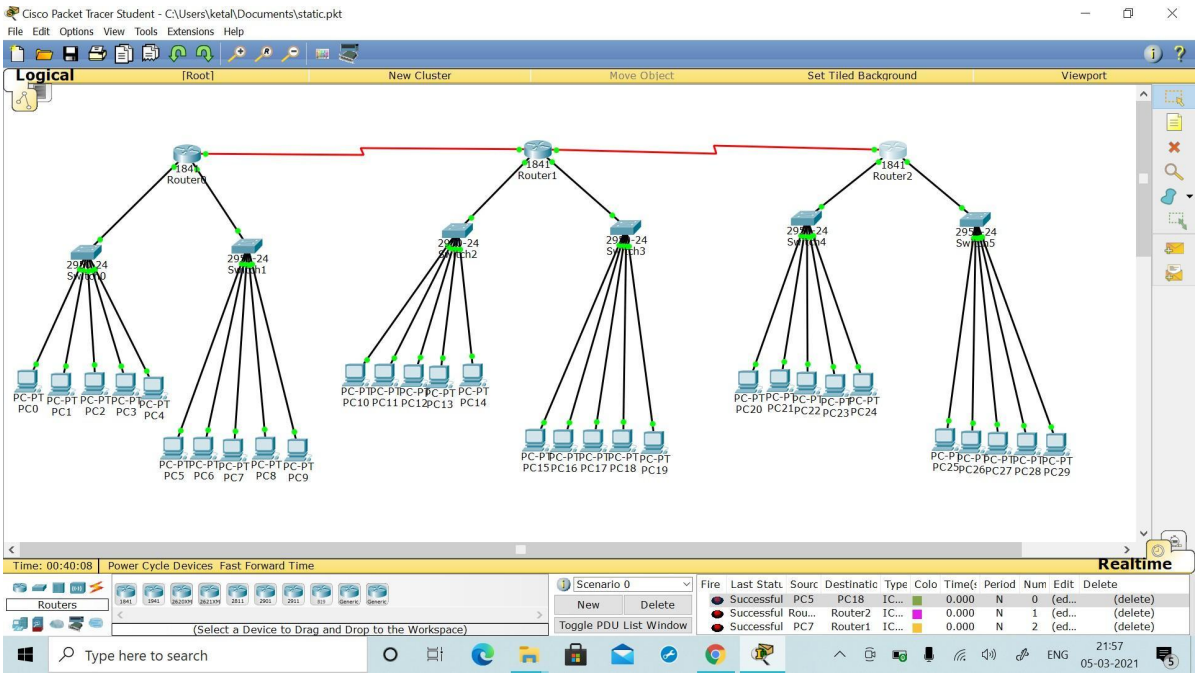
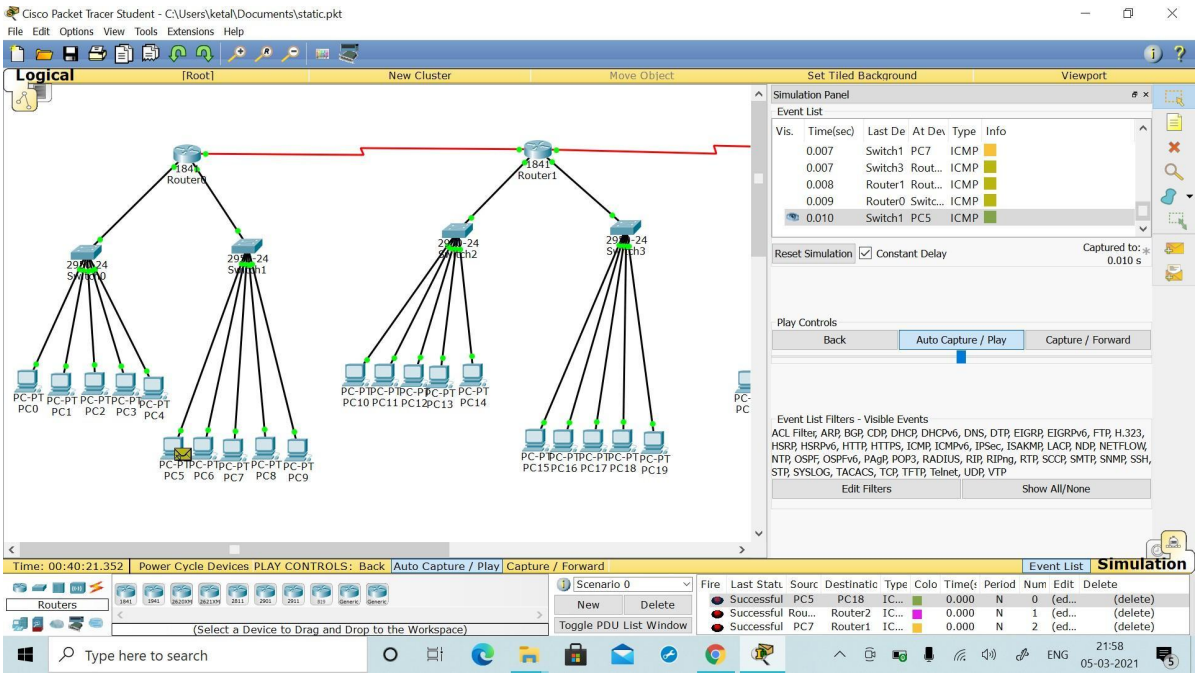
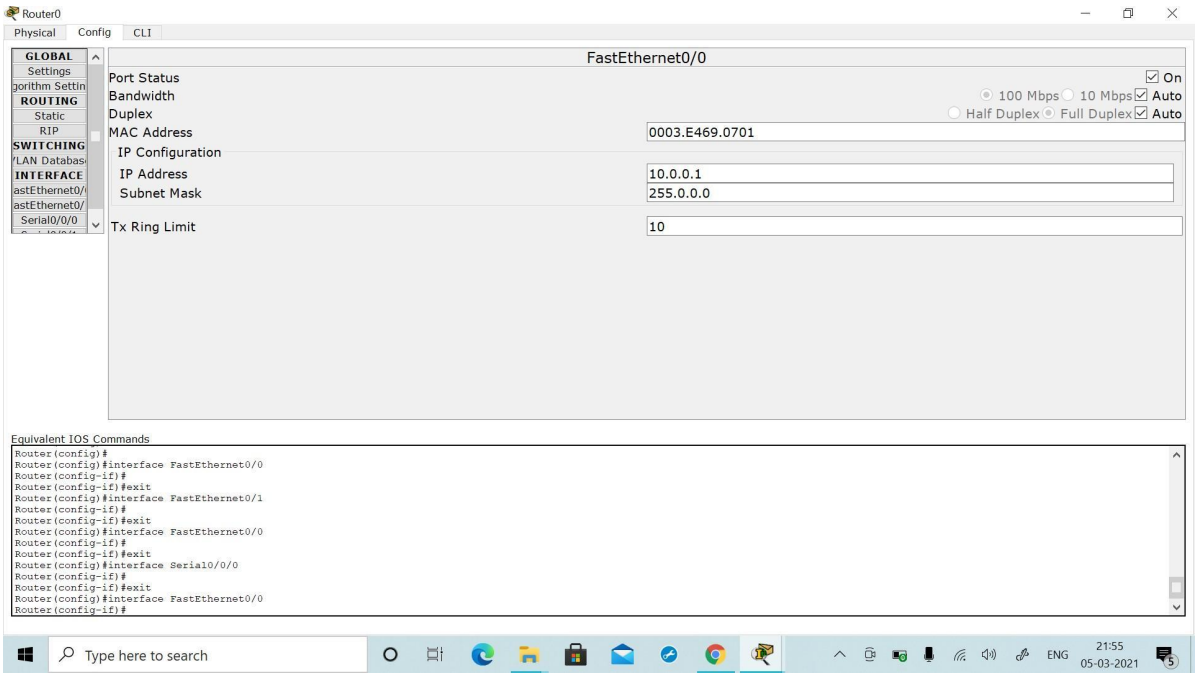
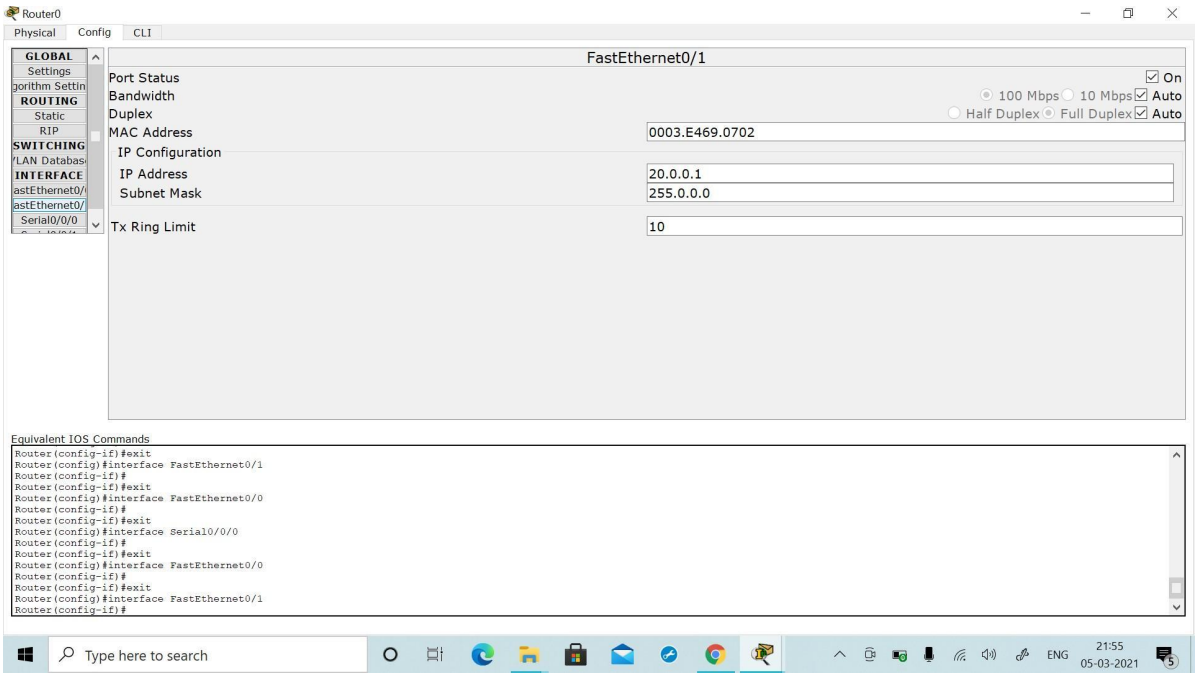
Static Routing:

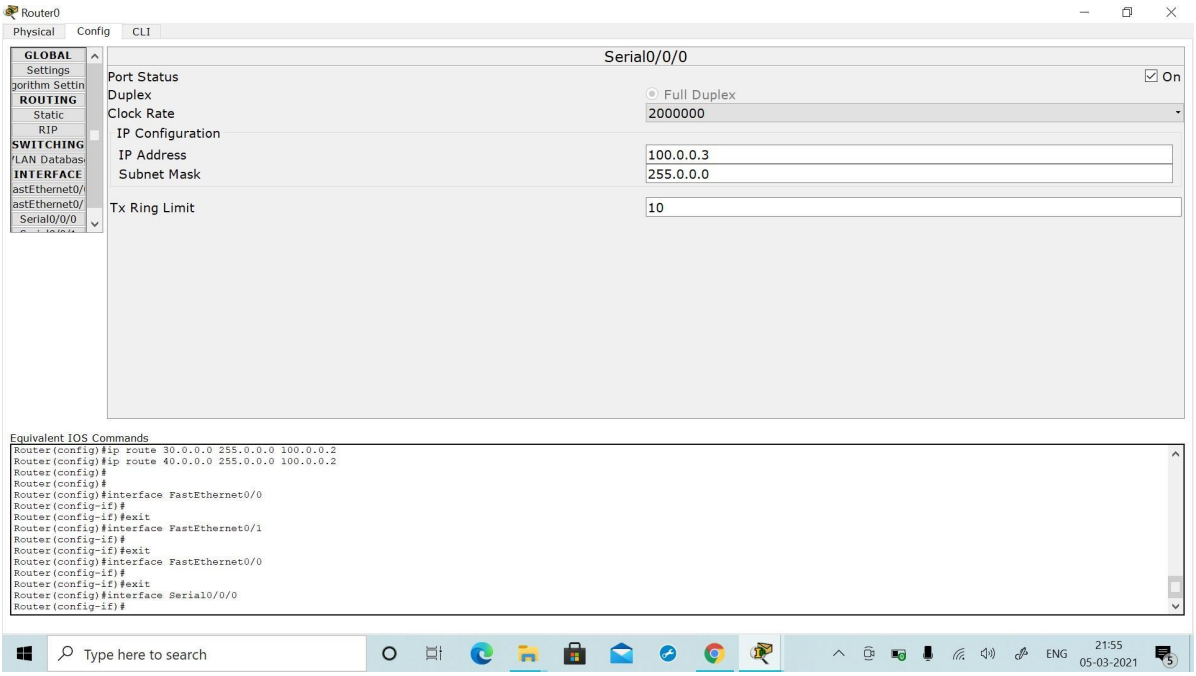


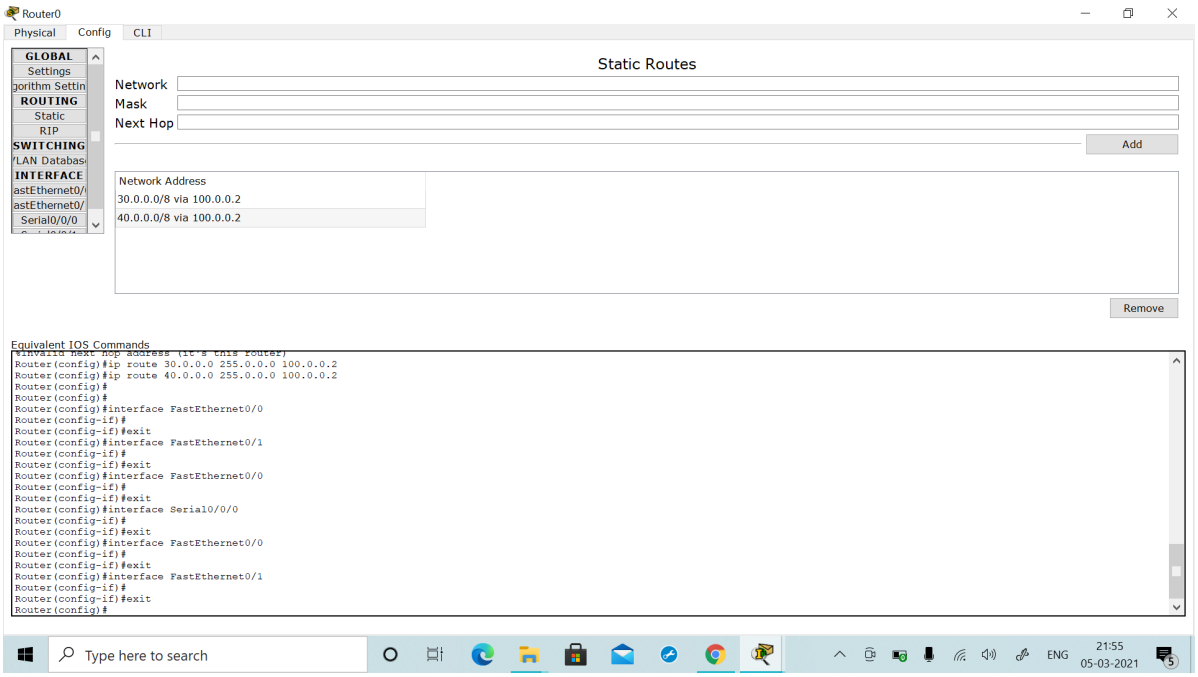


ROUTER 0:

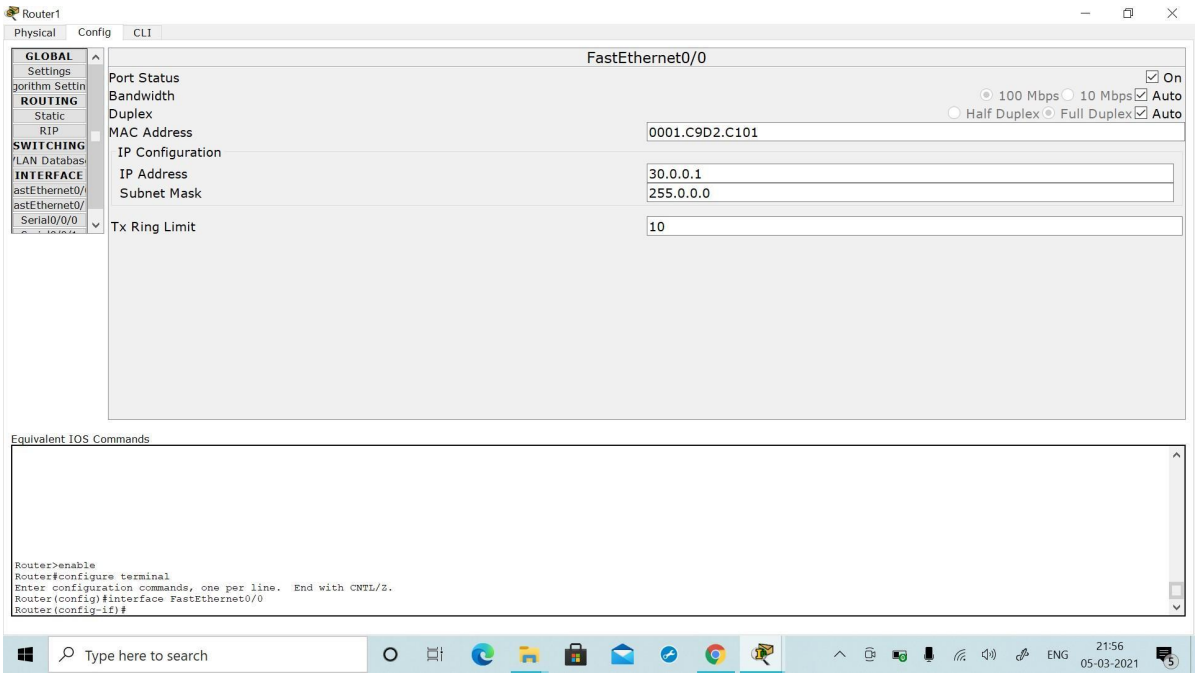

Router0
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
FastEthernet0/0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0003.E469.0701
IP Configuration
IP Address
10.0.0.1
Subnet Mask
255.0.0.0
Tx Ring Limit
10
Equivalent IOS Commands
Router(config)#
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Type here to search
ENG
21:55
05-03-2021

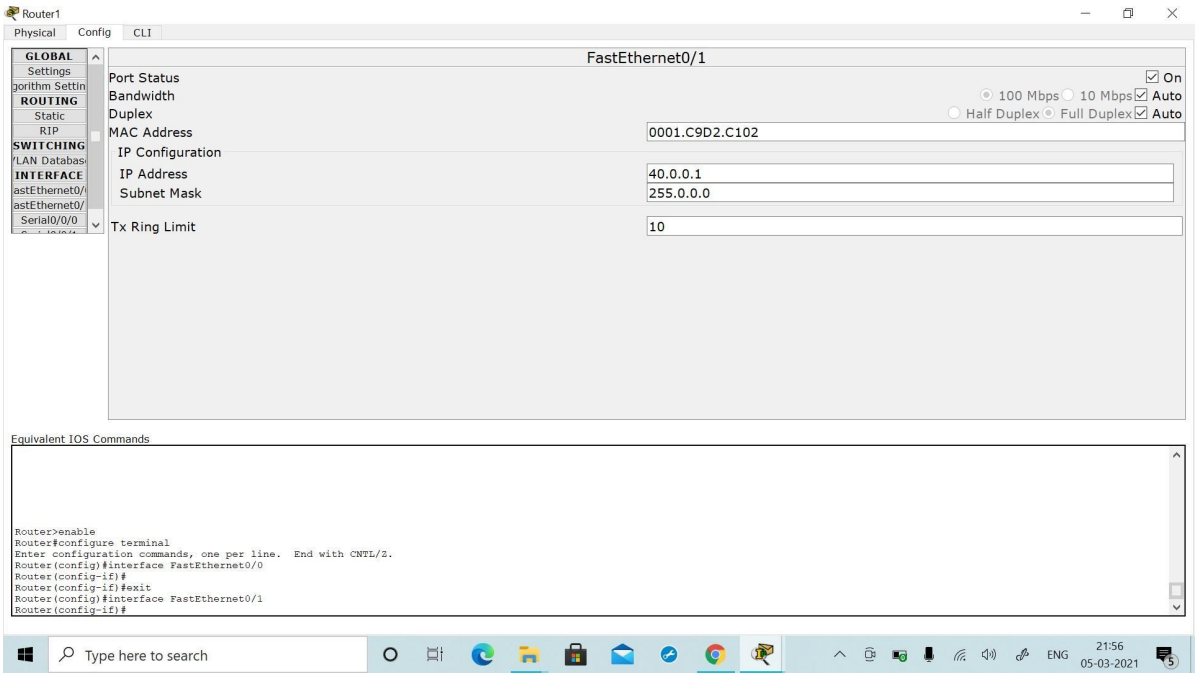

Router0
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
FastEthernet0/1
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0003.E469.0702
IP Configuration
IP Address
20.0.0.1
Subnet Mask
255.0.0.0
Tx Ring Limit
10
Equivalent IOS Commands
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Type here to search
ENG
21:55
05-03-2021

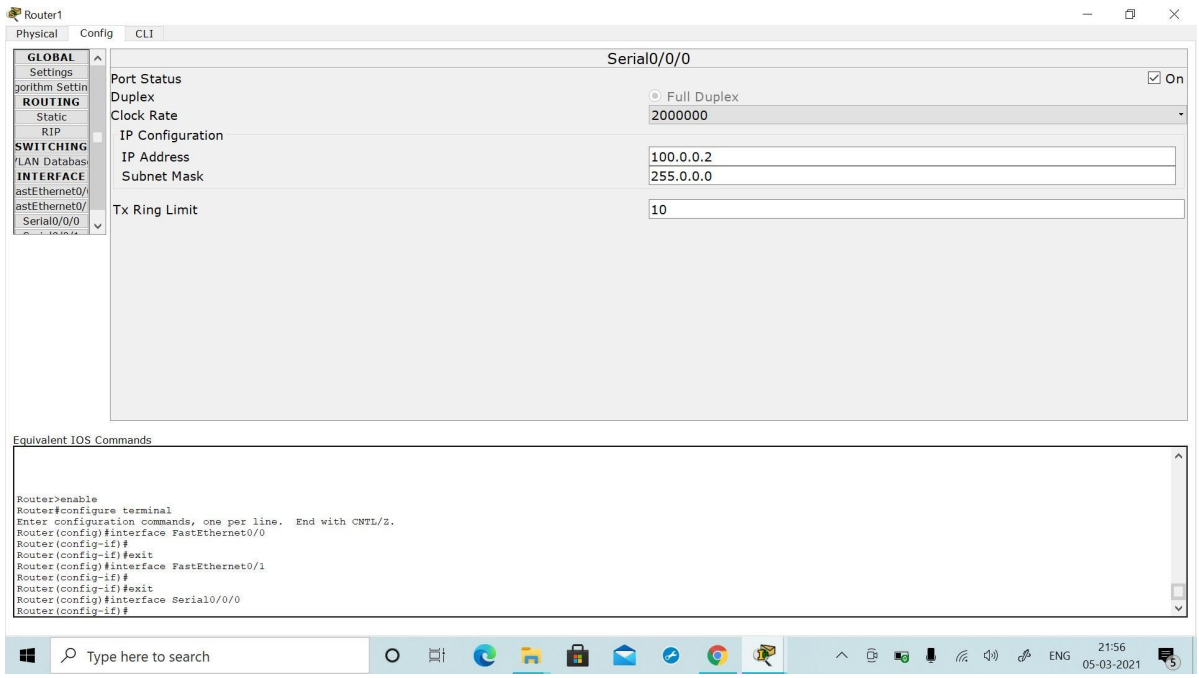

Router0
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
Serial0/0/0
Port Status
On
Duplex
Full Duplex
Clock Rate
2000000
IP Configuration
IP Address
100.0.0.3
Subnet Mask
255.0.0.0
Tx Ring Limit
10
Equivalent IOS Commands
Router(config)#ip route 30.0.0.0 255.0.0.0 100.0.0.2
Router(config)#ip route 40.0.0.0 255.0.0.0 100.0.0.2
Router(config)#
Router(config)#
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
Type here to search
ENG
21:55
05-03-2021

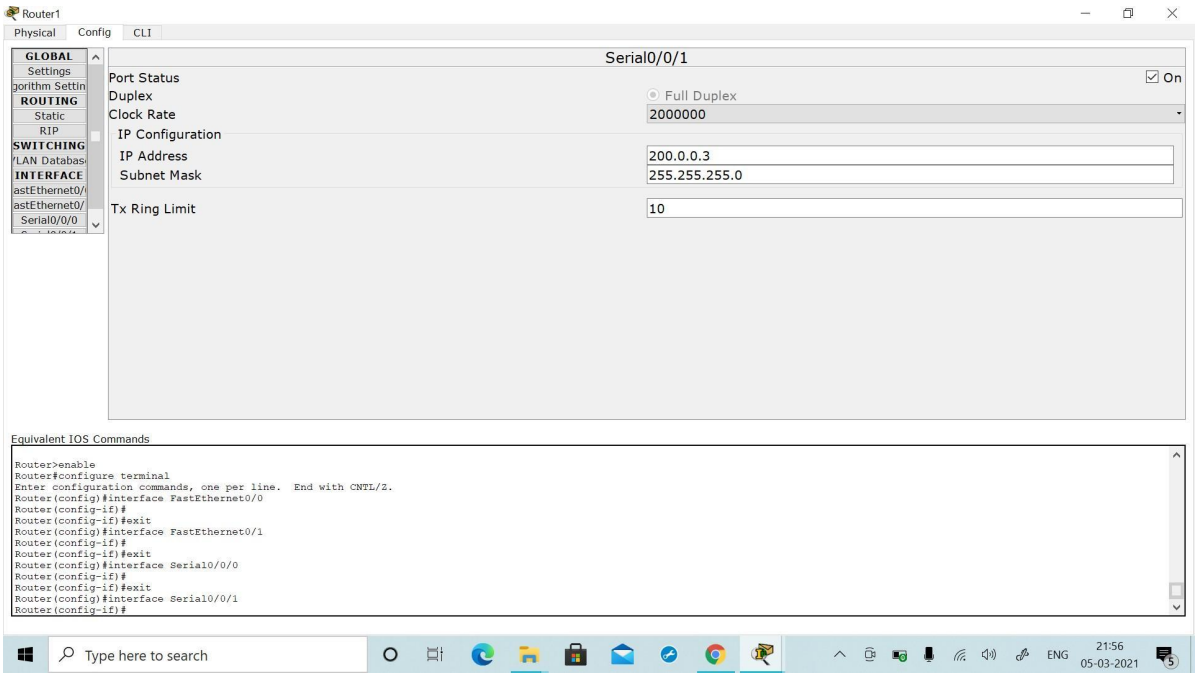

Router0
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
Static Routes
Network
Mask
Next Hop
Add
Network Address
30.0.0.0/8 via 100.0.0.2
40.0.0.0/8 via 100.0.0.2
Remove
Equivalent IOS Commands
%Invalid next hop address (it's this router)
Router(config)#ip route 30.0.0.0 255.0.0.0 100.0.0.2
Router(config)#ip route 40.0.0.0 255.0.0.0 100.0.0.2
Router(config)#
Router(config)#
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#
Type here to search
ENG
21:55
05-03-2021

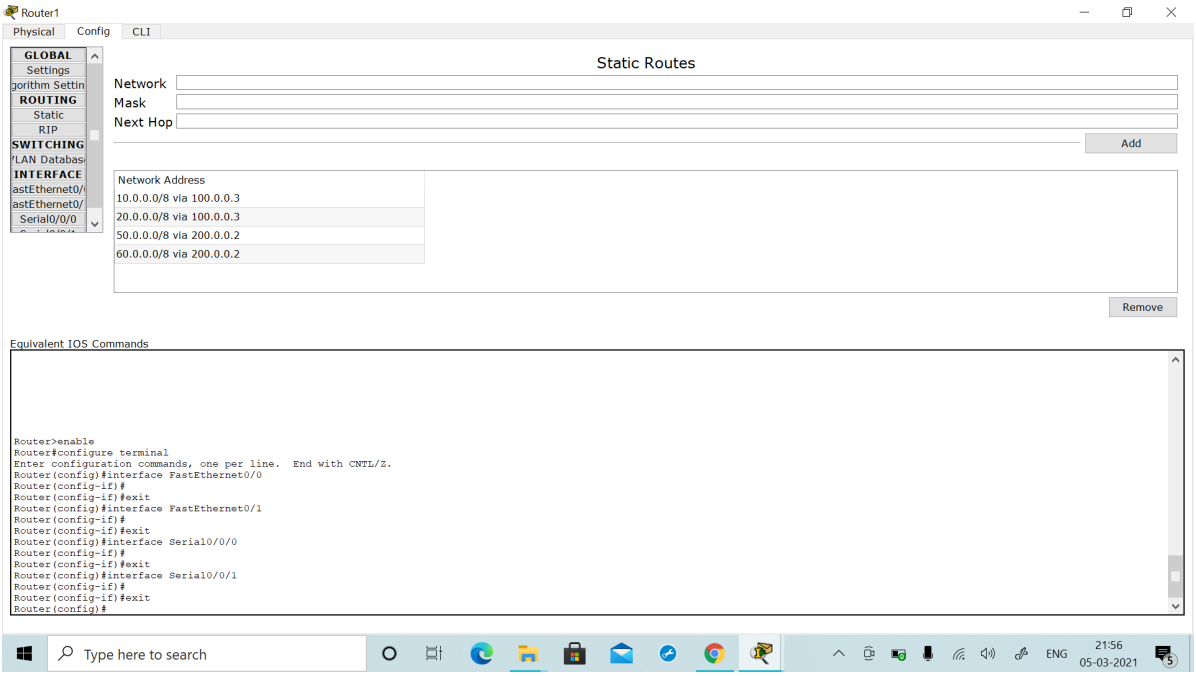
ROUTER 1:


Router1
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
FastEthernet0/0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0001.C9D2.C101
IP Configuration
IP Address
30.0.0.1
Subnet Mask
255.0.0.0
Tx Ring Limit
10
Equivalent IOS Commands
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Type here to search
ENG
21:56
05-03-2021

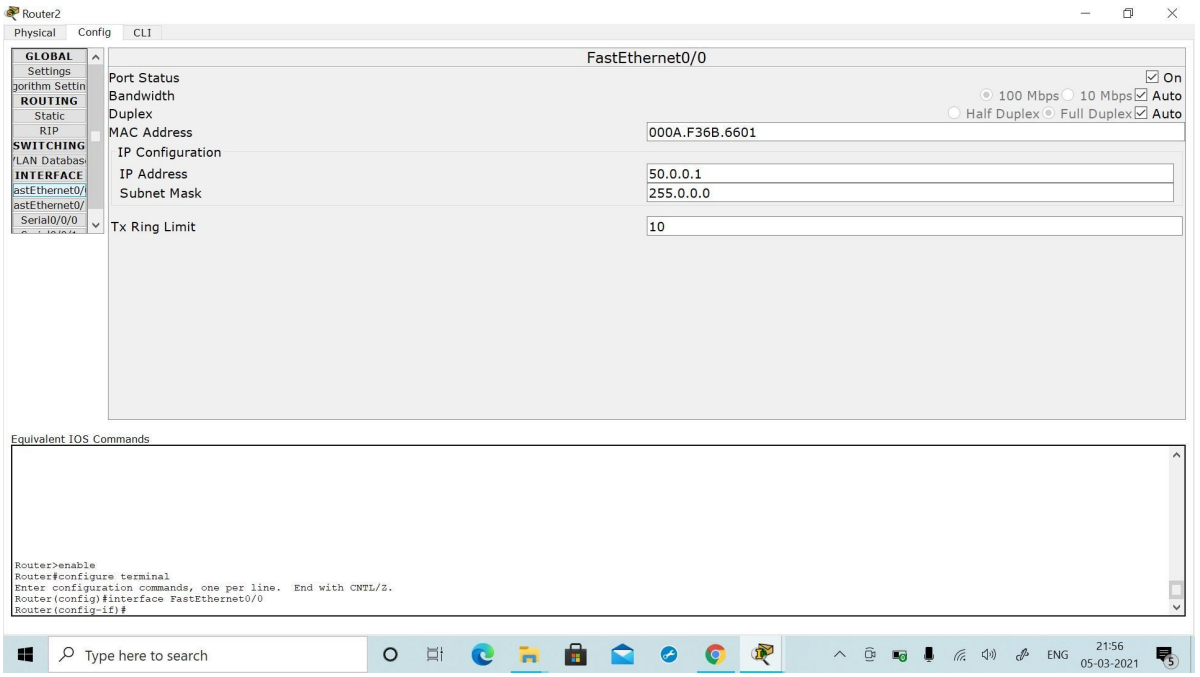

Router1
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
FastEthernet0/1
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0001.C9D2.C102
IP Configuration
IP Address
40.0.0.1
Subnet Mask
255.0.0.0
Tx Ring Limit
10
Equivalent IOS Commands
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Type here to search
ENG
21:56
05-03-2021

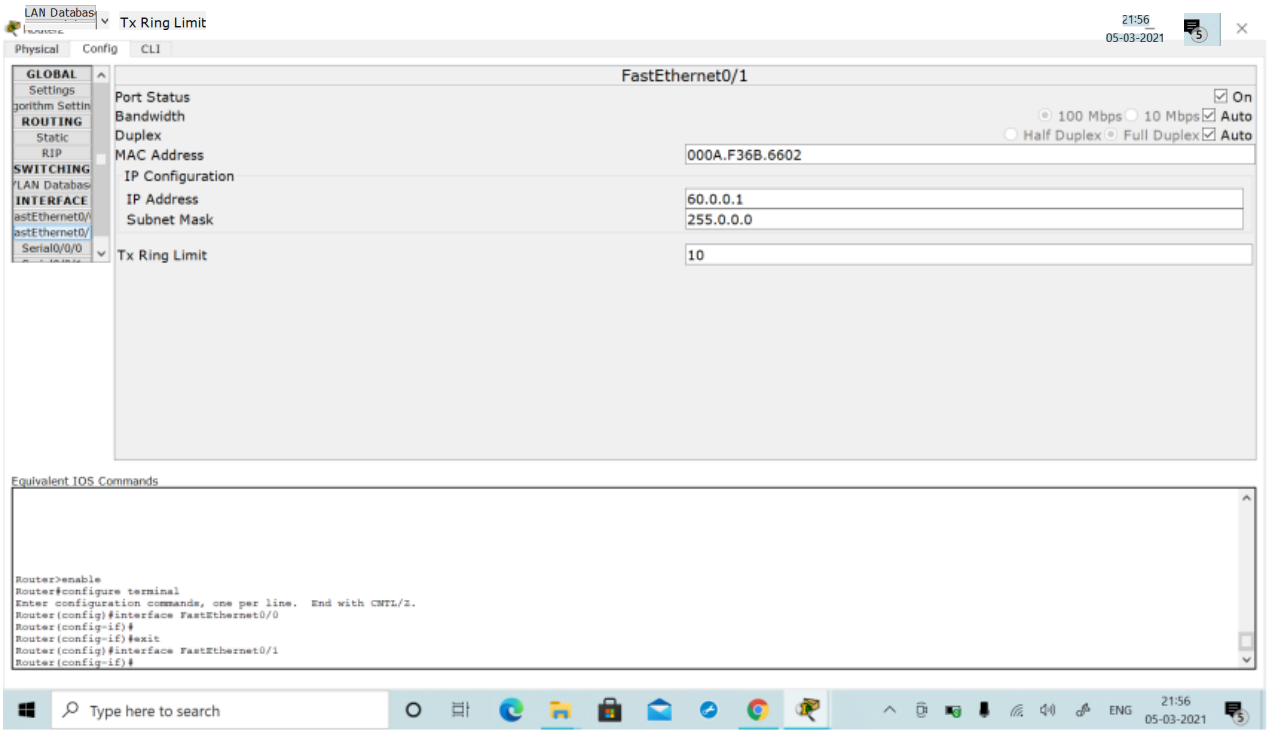

Router1
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
Serial0/0/0
Port Status
On
Duplex
Full Duplex
Clock Rate
2000000
IP Configuration
IP Address
100.0.0.2
Subnet Mask
255.0.0.0
Tx Ring Limit
10
Equivalent IOS Commands
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
Type here to search
ENG
21:56
05-03-2021

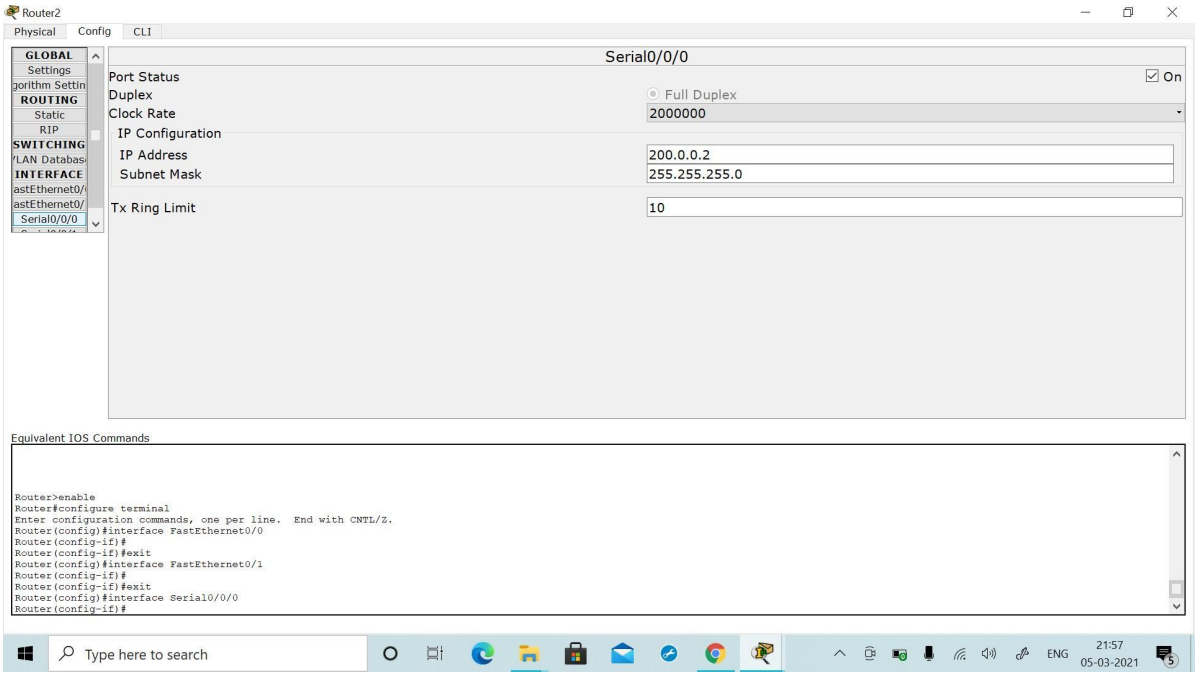

Router1
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
Serial0/0/1
Port Status
On
Duplex
Full Duplex
Clock Rate
2000000
IP Configuration
IP Address
200.0.0.3
Subnet Mask
255.255.255.0
Tx Ring Limit
10
Equivalent IOS Commands
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/1
Router(config-if)#
Type here to search
ENG
21:56
05-03-2021

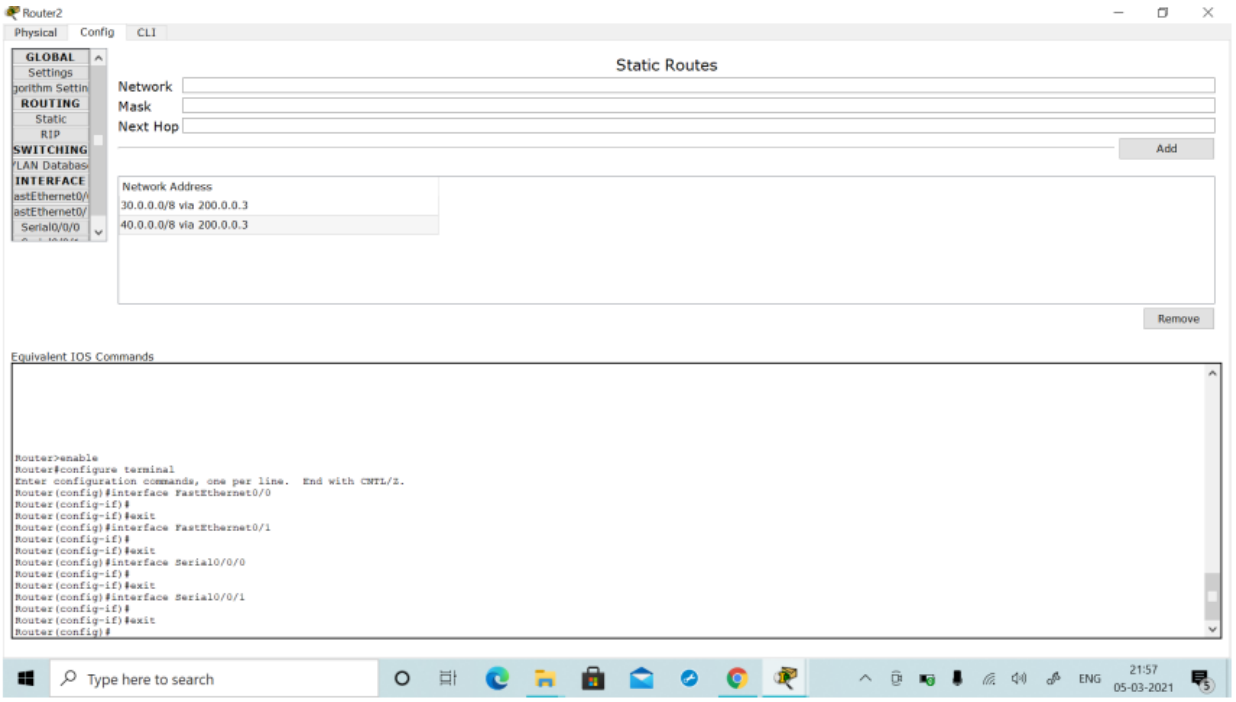

Router1
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
Static Routes
Network
Mask
Next Hop
Add
Network Address
10.0.0.0/8 via 100.0.0.3
20.0.0.0/8 via 100.0.0.3
50.0.0.0/8 via 200.0.0.2
60.0.0.0/8 via 200.0.0.2
Remove
Equivalent IOS Commands
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#
Type here to search
ENG
21:56
05-03-2021

ROUTER 2:


Router2
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
FastEthernet0/0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
000A.F36B.6601
IP Configuration
IP Address
50.0.0.1
Subnet Mask
255.0.0.0
Tx Ring Limit
10
Equivalent IOS Commands
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Type here to search
ENG
21:56
05-03-2021


LAN Databas
Tx Ring Limit
21:56
05-03-2021
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
FastEthernet0/1
Port Status
On
Bandwidth
100 Mbps 10 Mbps Auto
Duplex
Half Duplex Full Duplex Auto
MAC Address
000A.F36B.6602
IP Configuration
IP Address
60.0.0.1
Subnet Mask
255.0.0.0
Tx Ring Limit
10
Equivalent IOS Commands
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Type here to search
ENG
21:56
05-03-2021


Router2
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
Serial0/0/0
Port Status
On
Duplex
Full Duplex
Clock Rate
2000000
IP Configuration
IP Address
200.0.0.2
Subnet Mask
255.255.255.0
Tx Ring Limit
10
Equivalent IOS Commands
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
Type here to search
ENG
21:57
05-03-2021


Router2
Physical
Config
CLI
GLOBAL
Settings
ROUTING
Static
RIP
SWITCHING
INTERFACE
Serial0/0/0
Static Routes
Network
Mask
Next Hop
Add
Network Address
30.0.0.0/8 via 200.0.0.3
40.0.0.0/8 via 200.0.0.3
Remove
Equivalent IOS Commands
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial0/0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#
Type here to search
ENG
21:57
05-03-2021