

18CSS202J Computer Communications

Ex 7: Dynamic routing - Classless routing - RIP v2

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Class :-CSE F1

Output:-



Router0

PhysicalConfigCLIAttributes

IOS Command Line Interface

Router#
Router#
Router#show ip protocols
Routing Protocol is "rip"
Sending updates every 30 seconds, next due in 5 seconds
Invalid after 180 seconds, hold down 180, flushed after 240
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Redistributing: rip
Default version control: send version 2, receive 2
InterfaceSendRecvTriggered RIPKey-chain
GigabitEthernet0/022
Serial10/1/022
Automatic network summarization is in effect
Maximum path: 4
Routing for Networks:
50.0.0.0
192.168.10.0
Passive Interface(s):
Routing Information Sources:
GatewayDistanceLast Update
50.0.0.212000:00:24
Distance: (default is 120)
Router#
Router#
Router#
Router#
Router#
Router#
Router#

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Router1

PhysicalConfigCLIAttributes

IOS Command Line Interface


% Invalid input detected at '^' marker.

Router#show ip protocols
Routing Protocol is "rip"
Sending updates every 30 seconds, next due in 13 seconds
Invalid after 180 seconds, hold down 180, flushed after 240
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Redistributing: rip
Default version control: send version 2, receive 2
InterfaceSendRecvTriggered RIPKey-chain
GigabitEthernet0/022
Serial0/1/122
Serial0/1/022
Automatic network summarization is in effect
Maximum path: 4
Routing for Networks:
50.0.0.0
60.0.0.0
192.168.20.0
Passive Interface(s):
Routing Information Sources:
GatewayDistanceLast Update
50.0.0.112000:00:17
60.0.0.212000:00:14
Distance: (default is 120)
Router#
Router#
Router#
Router#

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 Router2—□×

Physical Config CLI Attributes

IOS Command Line Interface

```
Router#show ip protocols
Routing Protocol is "rip"
Sending updates every 30 seconds, next due in 7 seconds
Invalid after 180 seconds, hold down 180, flushed after 240
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Redistributing: rip
Default version control: send version 2, receive 2
  Interface          Send Recv Triggered RIP Key-chain
GigabitEthernet0/0    2     2
Serial0/1/0           2     2
Automatic network summarization is in effect
Maximum path: 4
Routing for Networks:
  60.0.0.0
  192.168.30.0
Passive Interface(s):
Routing Information Sources:
  Gateway         Distance      Last Update
  60.0.0.1         120          00:00:24
Distance: (default is 120)
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
Router#
```

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Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.30.3

Pinging 192.168.30.3 with 32 bytes of data:

Reply from 192.168.30.3: bytes=32 time=21ms TTL=125
Reply from 192.168.30.3: bytes=32 time=22ms TTL=125
Reply from 192.168.30.3: bytes=32 time=27ms TTL=125
Reply from 192.168.30.3: bytes=32 time=34ms TTL=125

Ping statistics for 192.168.30.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 21ms, Maximum = 34ms, Average = 26ms

C:\>
C:\>ping 192.168.20.3

Pinging 192.168.20.3 with 32 bytes of data:

Reply from 192.168.20.3: bytes=32 time=14ms TTL=126
Reply from 192.168.20.3: bytes=32 time=17ms TTL=126
Reply from 192.168.20.3: bytes=32 time=1ms TTL=126
Reply from 192.168.20.3: bytes=32 time=27ms TTL=126

Ping statistics for 192.168.20.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 27ms, Average = 14ms

C:\>
```