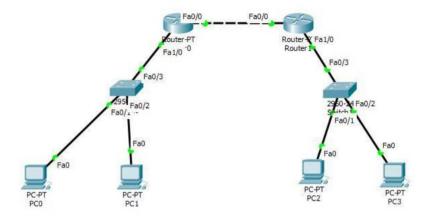
COMPUTER NETWORKS PRACTICUM PRACTICUM 8

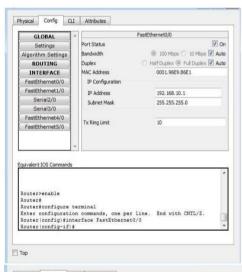


By: ARIA WIDIYO NOVIYANTO NIM: L200183043

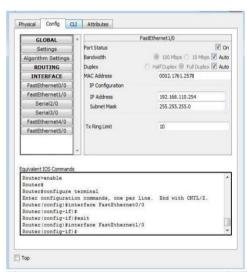
INFORMATION TECHNOLOGY FACULTY OF COMMUNICATION AND INFORMATICS UNIVERSITY OF MUHAMMADIYAH SURAKARTA 2020

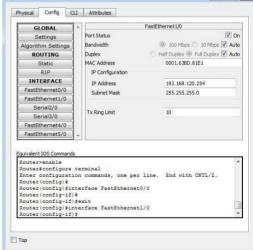
1. Activity 1





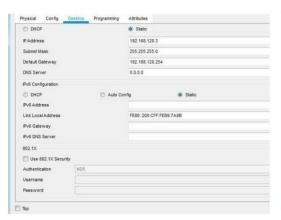


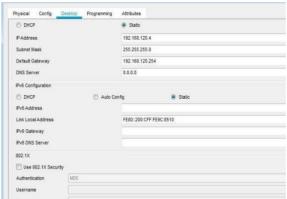












Router>enable
Router\$conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)\$router rip
Router(config-router)\$network 192.168.110.0
Router(config-router)\$network 192.168.10.0
Router(config-router)\$^Z
Router\$
\$SYS-5-CONFIG_I: Configured from console by console

Router/conf Configuring from terminal, memory, or network [terminal]? Enter configuration commands, one per line. End with CNTL/Z. Router(config) #router rip Router(config-router) #network 192.168.120.0 Router(config-router) #network 192.168.10.0 Router(config-router) #^Z Router# \$SYS-5-CONFIG_I: Configured from console by console

Router#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile,
B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter
area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
type 2
EI - OSPF external type 1, E2 - OSPF external type 2, E EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route

Gateway of last resort is not set

C 192.168.10.0/24 is directly connected, FastEthernet0/0
R 192.168.110.0/24 is directly connected, FastEthernet1/0
FastEthernet0/0
C 192.168.120.0/24 is directly connected, FastEthernet1/0

```
Packet Tracer PC Command Line 1.0
 C:\>ping 192.168.120.4
 Pinging 192.168.120.4 with 32 bytes of data:
 Request timed out.
Reply from 192.168.120.4: bytes=32 time<lms TTL=126
 Reply from 192.168.120.4: bytes=32 time<1ms TTL=126
 Reply from 192.168.120.4: bytes=32 time<1ms TTL=126
 Ping statistics for 192.168.120.4:
 Packets: Sent = 4, Received = 3, Lost = 1 (25% loss), Approximate round trip times in milli-seconds:
     Minimum = Oms, Maximum = Oms, Average = Oms
 C:\>
 Router>enable
 Router#conf
 Configuring from terminal, memory, or network [terminal]?
 Enter configuration commands, one per line. End with CNTL/Z.
 Router(config) #access-list 10 permit 192.168.120.0 0.0.255.255
 Router(config) #end
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #int fa 1/0
Router(config-if) #ip access-group 10 out
Router(config-if) #^Z
Router#show access-lists
Standard IP access list 10
    10 permit 192.168.0.0 0.0.255.255
C:\>ping 192.168.110.3
Pinging 192.168.110.3 with 32 bytes of data:
Reply from 192.168.110.3: bytes=32 time=1ms TTL=126
Reply from 192.168.110.3: bytes=32 time=1ms TTL=126
Reply from 192.168.110.3: bytes=32 time<lms TTL=126
Reply from 192.168.110.3: bytes=32 time<lms TTL=126
Ping statistics for 192.168.110.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #access-list 20 permit 192.168.120.4 0.0.0.0
Router(config) #^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #int fa 1/0
Router(config-if) #ip access-group 20 out
```

Router(config-if) #^Z

```
C:\pping 192.168.110.3

Pinging 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.

Ping statistics for 192.168.110.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\pping 192.168.110.4

Pinging 192.168.110.4 with 32 bytes of data:

Reply from 192.168.10.1: Destination host unreachable.
Ping statistics for 192.168.110.4:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

```
C:\ping 192.168.110.3

Pinging 192.168.110.3 with 32 bytes of data:

Reply from 192.168.110.3: bytes=32 time=1ms TTL=126

Reply from 192.168.110.3: bytes=32 time=1ms TTL=126

Reply from 192.168.110.3: bytes=32 time<1ms TTL=126

Reply from 192.168.110.3: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.110.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.110.4

Pinging 192.168.110.4 with 32 bytes of data:

Request timed out.

Reply from 192.168.110.4: bytes=32 time<1ms TTL=126

Reply from 192.168.110.4: bytes=32 time<1ms TTL=126

Reply from 192.168.110.4: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.110.
```

2. Activity 2

