COMPUTER NETWORKS PRACTICUM PRACTICUM 8



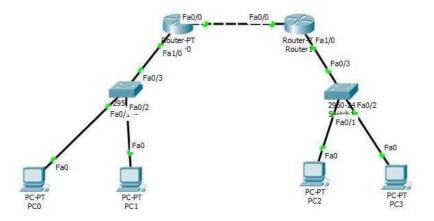
By:

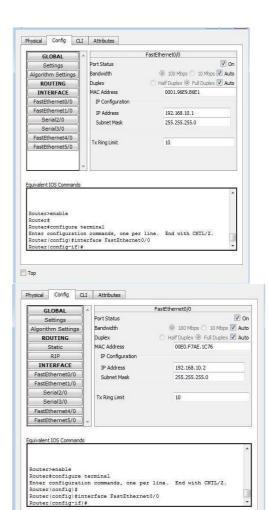
Motwkel Mhmoud Mohmed Adam

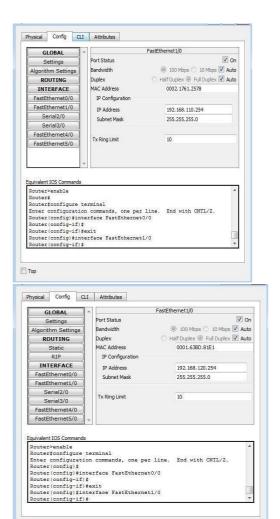
NIM: L200184220

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

1. Activity 1







```
?outer>enable
?outer#conf
Int r con=i ration commands, one'p r line"'In 'wi h' rL.'8.
?:uter'con ig!routerl#netw:rk U£.i68.iiJ.J
?outer'config-r:uterl#network l8£.i<8.i0.J
?outerconTig-routerl4'Z
?outer#
?SYS-o-CONFIG I: :nfigured fr:m zsnssle ty zsnsole

Aoute,>enable
?outerfconi
Ooniiguring ir:m terminal, memsry, or network Iterminal] enter configuration comsmnds, one per line. andwith OCIL'Z.
Router..config!#router rip
Router..config-router#network l?Z.lf?.UJ.0
Router..config-router#network lSZ.UB.lJ.0
Router..config-router#network lSZ.UB.lJ.0
Routerf
sszs-s-coriCl:Con*iquxeff*x emeousoieb2eonsoie
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile,
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter
```

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external E1 - OSPF external type 1, E2 - OSPF external type 2, E i - IS-IS, L1 - IS-IS IeveI-1, LI - IS-IS IeveI-I, ia -

C 1SZ.1 S.1J.0 Z4 is directly connected, Fast:thernetJ J

```
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<lms TTL=126 Reply from 192.168.120.4: bytes=32 time<lms 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
 9outer>enable
 Aquter#conf
 Configuring [rom terminal, -i-ery, or network [terminal]?
 Enter configuration commends, one per line. End with CNTL/Z.
 9outerlconJig) #access-list 10 permit.152.lf8.120.0 0.0.255.'255
 BouterCconfig) #end
Router4conf
```

Configuring from terminal, mewry, or network [iereinalj? Rnter confi'guraiion commands, one per line. End wLth CNTL/Z. Routerlcon€ig) #int fa 1Z0 Kouterlconfig-if) #ip access-group 10 out Routerlconfig-if)4-Z n .irñre

Router#show access-lists Standard IP access list 10 10 permit 152.1f8.0.0 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=lms 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:\>
```

Boutér4conf

Configuring from terminal, -x-ery, or network [terminal]? 9nter configuration commands, one per line. Bnd with ${\tt CNTLfZ}.$ Routerlconfig)4ac ess-list ?0 permit 192.1f8.120.4 0.0.0.0 Bouterl config) #'Z 8SYS-S-CDNFIG I'. Configured from console by console

Boutér4conf

Configuring from terminal, <u>me--</u>ry, or network [terminal]? 9nter configuration commands, one per line. Bnd xith CNTL/Z. Routerlconfig) 4int fa 1/0 Bouterlconfig-if) #ip access-group'20 out Bouterlconfig-ifl4'Z

```
C:\>ping 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:\>ping 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 with 32 bytes of data:

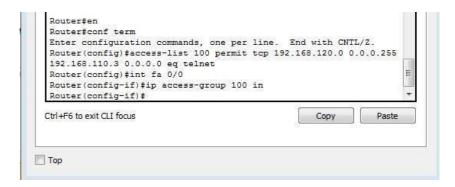
Reply from 192.168.110.3: bytes=32 time=lms TTL=126
Reply from 192.168.110.3: bytes=32 time=lms TTL=126
Reply from 192.168.110.3: bytes=32 time<lms TTL=126
Reply from 192.168.110.3: bytes=32 time<lms TTL=126
Reply from 192.168.110.3: bytes=32 time<lms TTL=126
Ping statistics for 192.168.110.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = lms, 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=lms TTL=126
Reply from 192.168.110.4: bytes=32 time=lms TTL=126
Reply from 192.168.110.4: bytes=32 time<lms TTL=126
Ping statistics for 192.168.110.4:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
```

2. Activity 2





@ Top

```
3ñter configuration commândé. one per line. dnd wiñh CNTL/Z.
Router(confi'g)8access-list 10 deny 19a.168.la0.4 0.0.0.1
Doutertconfig)#-Z
Router#
BSXS-o-CONFIG_I: Con€iguied from console by console
show access-lists
StandaKd IP. access ligt 10
    .10 peffhi't 19,.168.0.0 0.0. 5s. ss
a0 dény.hoét 19a.168.la0.4
Standard IE. access.list 0
    10 permit host 19i.168.la0.4
Bxtended IP access list IOO'
    10 pémit tcp 1'92.1GBi1 0.0 0.0.0. SS hoét 19a.168.110.3 eq
```

Ctrl+F6 to exit CLI focus

Сору

Paste

```
Packet Tracer PC Command Line 1.0
C:\Pping 192.168.110.3 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.110.3:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```