TUGAS PRAKTIKUM ROUTING DAN KEMANAN JARINGAN

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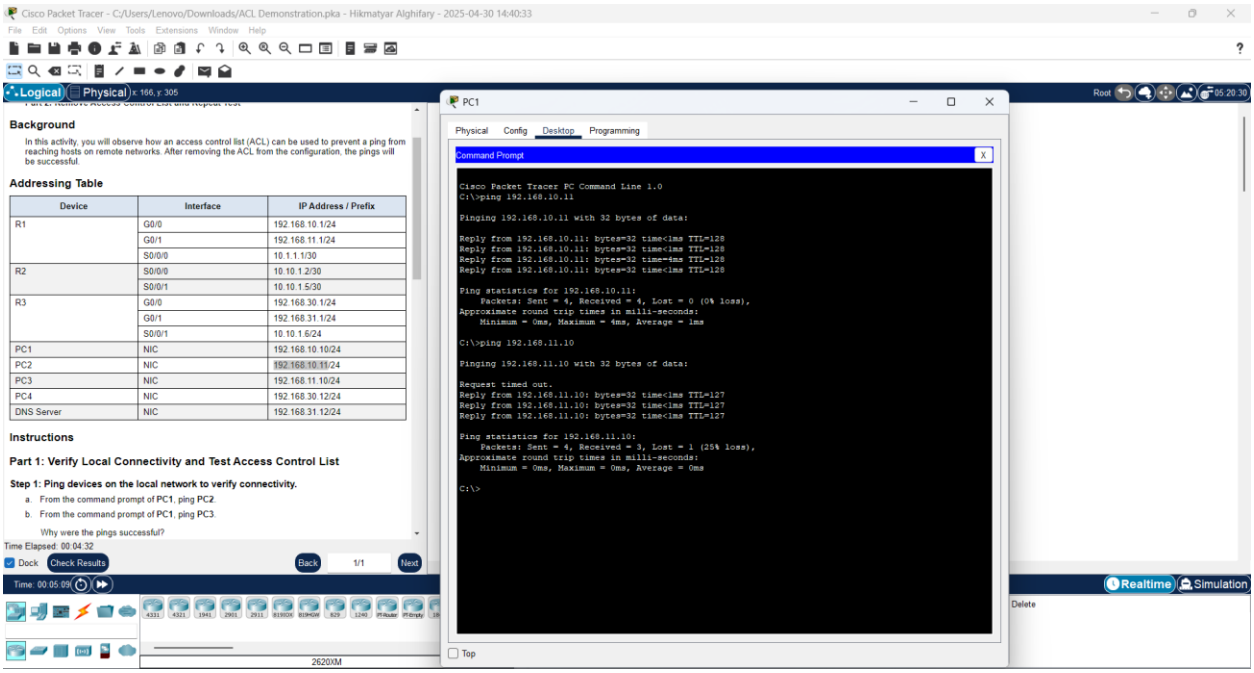
Part 1: Verify Local Connectivity and Test Access Control List

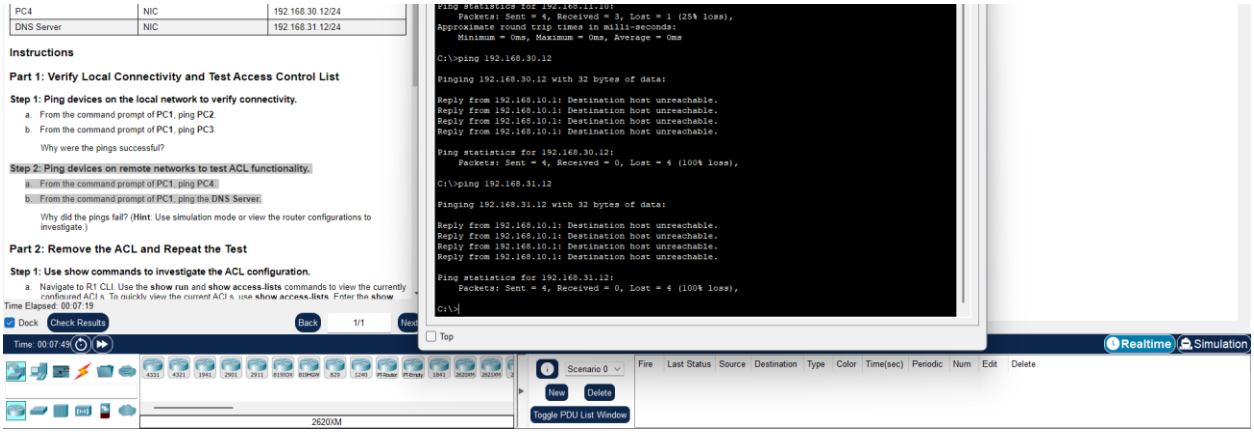
Step 1: Ping devices on the local network to verify connectivity.

- From the command prompt of PC1, ping PC2.
- From the command prompt of PC1, ping PC3



Step 2: Ping devices on remote networks to test ACL functionality.

- From the command prompt of PC1, ping PC4.
- From the command prompt of PC1, ping the DNS Server.



Part 2: Remove the ACL and Repeat the Test

Step 1: Use show commands to investigate the ACL configuration.

- show access-lists ?

```
R1>ena
R1#show access-lists ?
  <1-199>  ACL number
  WORD     ACL name
  |        Output Modifiers
  <cr>
R1#show access-lists
Standard IP access list 11
    10 deny 192.168.10.0 0.0.0.255 (8 match(es))
    20 permit any

R1#
```

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- show run | include interface|access

```
R1#show run | include interface|access
interface GigabitEthernet0/0
interface GigabitEthernet0/1
interface Serial0/0/0
 ip access-group 11 out
interface Serial0/0/1
interface Vlan1
access-list 11 deny 192.168.10.0 0.0.0.255
access-list 11 permit any
R1#
```

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Step 2: Remove access list 11 from the configuration.

- Serial0/0/0 interface

```
R1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#interface s0/0/0
R1(config-if)#no ip access-group 11 out
R1(config-if)#
```

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- Remove the ACL

```
R1(config)#no access-list 11
R1(config)#
```

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- Verify that **PC1** can now ping the **DNS Server** and **PC4**.