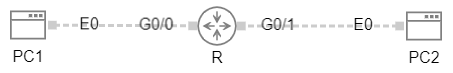
**IERG4090/4831**

**Lab XX: Lab Sheet Sample**

**Objective:**

This document is a sample logbook for lab experiments in IERG4090/4831. Please follow the format and the required information in preparing your lab report for submission to TA.

**Sample Lab:**



IP Address Assignment

|  |  |  |
| --- | --- | --- |
| Device | Interface | IP Address |
| R | G0/0 | 10.N1.0.254/24 |
| R | G0/1 | 172.16.N2.254/24 |
| PC1 | Eth0 | 10.N1.0.1/24 |
| PC2 | Eth0 | 172.16.N2.1/24 |

**Task 1**

According to the IP Address Assignment,

* Configure the IP address of the PC1 and PC2.
* Configure the IP address of the router interfaces.

Verify the connectivity by PING test from PC1 to PC2. **Record the result**. Does it successful? Explain the result?

Configure PC1 and PC2 such that the PING test between PC1 and PC2 can be successful. Record the result

Configure PC1 and PC2 to fix it. **Record the result**.

Record the configurations of PC1, PC2 and router in this task.

-- END OF LAB –

**IERG4090/4831**

**LAB XX: Logbook Sample**

NAME: CHAN Tai-man

SID: 1234567890

**Task 1:**

According to the IP Address Assignment,

* Configure the IP address of the PC1 and PC2.
* Configure the IP address of the router interfaces.

Verify the connectivity by PING test from PC1 to PC2. **Record the result**. Does it successful? Explain the result?

|  |
| --- |
| cisco@PC1:~$ ping 172.16.79.1  PING 172.16.79.1 (172.16.79.1): 56 data bytes  ping: sendto: Network is unreachable |

PING test is failed. Gateway is not set in both PC1 and PC2.

Configure PC1 and PC2 to fix it. **Record the result**.

|  |
| --- |
| cisco@PC1:~$ ping 172.16.79.1  PING 172.16.79.1 (172.16.79.1): 56 data bytes  64 bytes from 172.16.79.1: seq=0 ttl=63 time=4.856 ms  64 bytes from 172.16.79.1: seq=1 ttl=63 time=1.609 ms  64 bytes from 172.16.79.1: seq=2 ttl=63 time=1.317 ms  ^C  --- 172.16.79.1 ping statistics ---  3 packets transmitted, 3 packets received, 0% packet loss  round-trip min/avg/max = 1.317/2.594/4.856 ms |

**Record the configurations of PC1, PC2 and router in this task**.

PC1:

|  |
| --- |
| ifconfig eth0 10.68.0.1 netmask 255.255.255.0 broadcast 10.68.0.255 up  route add default gw 10.68.0.254 |

PC2:

|  |
| --- |
| ifconfig eth0 172.16.79.1 netmask 255.255.255.0 broadcast 172.16.79.255 up  route add default gw 172.16.79.254 |

R:

|  |
| --- |
| interface GigabitEthernet0/0  ip address 10.68.0.254 255.255.255.0  no shutdown  interface GigabitEthernet0/1  ip address 172.16.79.254 255.255.255.0  no shutdown |

POINT TO NOTE IN LOGBOOK:

* Do NOT copy the configurations directly from the “**show run**”. Some configurations that you applied are not shown! You have to record the actual configurations that you have applied. In this case, “**no shutdown**” is NOT shown on “show run” but in fact you have applied this configurations!
* Irrelevant configurations should NOT be included.
* Put the configurations / result inside a 1 x 1 table using the font “Consolas” with size 11