

Bangladesh University of Business and Technology (BUBT)



Course Name: Computer Networks

Course Code: CSE 320

LAB 3

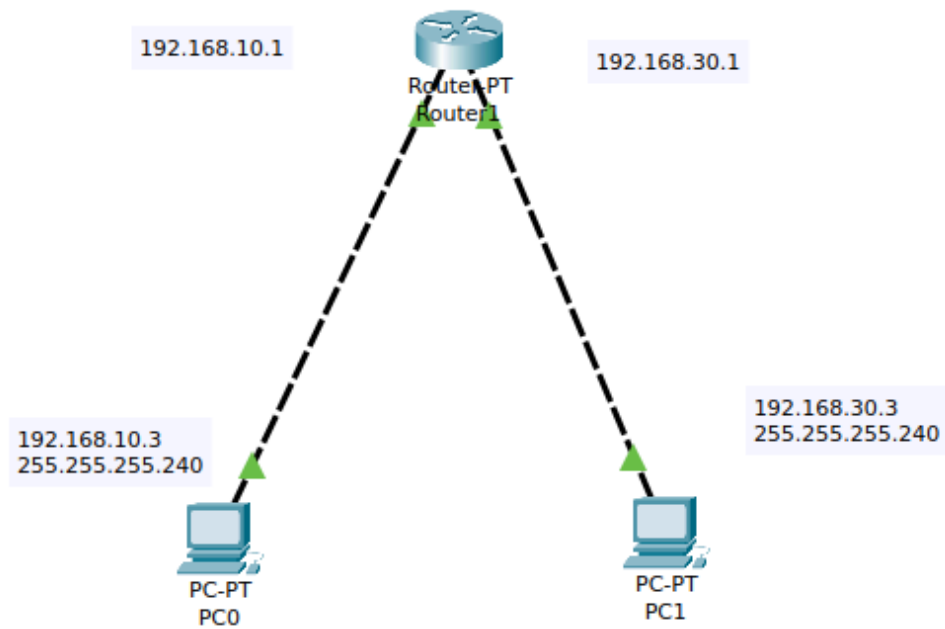
Experiment on: Basic Router Configuration

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Equipment:

1. 1 Router
2. 2 PCs
3. Connections (cables)



Assign IP addresses:

	PC 0	PC 1
IP	192.168.10.3	192.168.10.3
Subnet	255.255.255.240	255.255.255.240
Gateway	192.168.10.1	192.168.30.1







The image shows two screenshots of a network configuration interface. The top screenshot shows a 'Static' configuration for an interface with the following values: IP address 192.168.10.3, Subnet mask 255.255.255.240, and Default gateway 192.168.10.1. The bottom screenshot shows a 'Static' configuration for another interface with the following values: IP address 192.168.30.3, Subnet mask 255.255.255.240, and Default gateway 192.168.30.1. Both screenshots also show a '0.0.0.0' field, likely for the secondary IP address.

Router Configuration:

```
>en
#config t
#int fa0/0
#ip address 192.168.10.1 255.255.255.240
#no shut
#int fa1/0
#ip address 192.168.30.1 255.255.255.240
#no shut
#exit
```

Result:

1. PC0 to PC1 → Successful.
2. PC1 to PC0 → Successful.

<div> <div>Realtime</div> <div>Simulation</div> </div>							
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic
	Failed	PC0	PC1	IC...		0.000	N
	Successful	PC0	PC1	IC...		0.000	N
	Successful	PC1	PC0	IC...		0.000	N

Conclusion:

Through the router, both PCs were able to communicate properly. Both ping and mail transfer between the PCs were successful.