21CY681 - INTERNET PROTOCOL LAB - VIII

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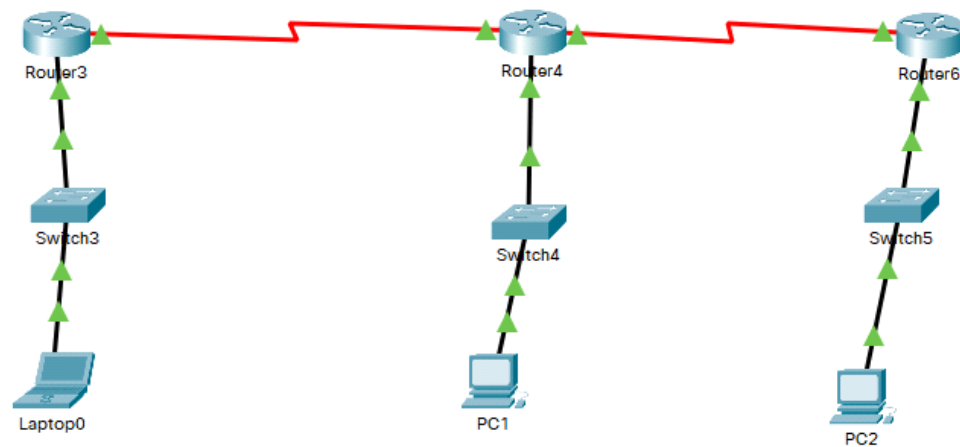Assignment Topic: Configuring Routing protocols using Cisco Packet Tracer

AIM : Configuring Routing protocols using Cisco Packet Tracer

SIMULATION TOOL :

Cisco Packet Tracer

PROCEDURE :

- Build a Simple Network in the Logical Topology Workspace

- Configure the Network Devices

- Verify Connectivity

- Save the File and Close Packet Tracer

Above is the figure of BGP

```
Router(config)#router bgp 1
Router(config-router)#network 192.168.1.0
Router(config-router)#network 10.0.0.0
Router(config-router)#neighbor 192.168.2.0 ?
  next-hop-self  Disable the next hop calculation for this neighbor
  remote-as      Specify a BGP neighbor
Router(config-router)#neighbor 192.168.2.0 remote-as 2
Router(config-router)#neighbor 192.168.3.0 remote-as 3
Router(config-router)#neighbor 10.0.0.2 remote-as 2
Router(config-router)#neighbor 11.0.0.2 remote-as 3
Router(config-router)#exit
Router(config)#%BGP-5-ADJCHANGE: neighbor 10.0.0.2 Up
%BGP-5-ADJCHANGE: neighbor 11.0.0.2 Up
```

Configuring Router bgp 1

```
Router(config)#router bgp 2
Router(config-router)#network 192.168.2.0
Router(config-router)#network 10.0.0.0
Router(config-router)#network 11.0.0.0
Router(config-router)#neighbor 192.168.1.0 remote-as 1
Router(config-router)#neighbor 192.168.3.0 remote-as 3
Router(config-router)#neighbor 10.0.0.1 remote-as 1
Router(config-router)#%BGP-5-ADJCHANGE: neighbor 10.0.0.1 Up

Router(config-router)#neighbor 10.0.0.1 remote-as 1
Router(config-router)#neighbor 11.0.0.2 remote-as 3
Router(config-router)#exit
Router(config)#%BGP-5-ADJCHANGE: neighbor 11.0.0.2 Up
```

Configuring Router bgp 2

```
Router(config router)#exit
Router(config)#router bgp 3
Router(config-router)#network 11.0.0.0
Router(config-router)#network 192.168.3.0
Router(config-router)#neighbur 192.168.2.0 remote-as
                          ^
% Invalid input detected at '^' marker.

Router(config-router)#neighbor 192.168.2.0 remote-as 2
Router(config-router)#neighbor 192.168.1.0 remote-as 1
Router(config-router)#neighbor 10.0.0.0 remote-as 1
Router(config-router)#neighbor 10.0.0.1 remote-as 1
Router(config-router)#neighbor 11.0.0.1 remote-as 2
Router(config-router)#%BGP-5-ADJCHANGE: neighbor 11.0.0.1 Up

Router(config-router)#exit
Router(config)#%BGP-5-ADJCHANGE: neighbor 10.0.0.1 Up
```

Configuring Router bgp 3

RESULT :

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit
●	Successful	Lapt...	PC1	ICMP	■	0.000	N	0	(edit
●	Successful	Lapt...	PC2	ICMP	■	0.000	N	1	(edit

Showing status as successful on sending packets