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PROJECT: DATA BASE SERVER SECURITY

TRAINER NAME:VINOTH

COURSE: NETWORKING

DATA BASE SERVER SECURITY

1. To inset a 3 Routers in the Structure and Security and also Pc's.

2. In Router 0 I used the Standard Acl and Dynamic Routing in the Routers.

3. In Router 1 I used the Dynamic Nat Concpt with 3 new public ip Adders and use Dynamic Routing in the same and also used Server.

4. In Router 2 I used the Extended Acl and block the http servers in one host and also used the Dynamic Routing.

5. To save all the Commands and Run the Progaram into the Stimulation Mode.
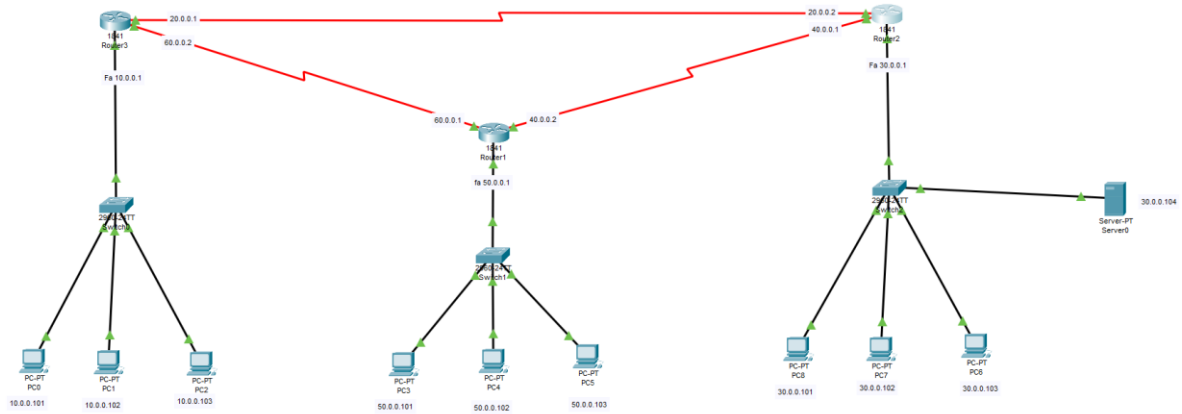
ROUTRE 0

Router>en

Router#conf t

Router(config)#int fa0/0

Router(config-if)#ip add 10.0.0.1 255.0.0.0

Router(config-if)#no shut

Router(config-if)#exit

Router(config)#int se0/0/0

Router(config-if)#ip add 20.0.0.1 255.0.0.0

Router(config-if)#no shut

Router(config-if)#exit

```
Router(config)#ip dhcp ex 10.0.0.1 10.0.0.100

Router(config)#ip dhcp pool d

Router(dhcp-config)#network 10.0.0.0 255.0.0.0

Router(dhcp-config)#de 10.0.0.1

Router(dhcp-config)#exit




Router(config)#int se0/0/1

Router(config-if)#ip add 60.0.0.2 255.0.0.0

Router(config-if)#no shut

Router(config-if)#exit



Router(config)#router rip

Router(config-router)#network 10.0.0.1

Router(config-router)#network 20.0.0.1

Router(config-router)#network 60.0.0.2

Router(config-router)#exit



Router(config)#ac 35 deny 10.0.0.101 255.0.0.0

Router(config)#ac 35 permit any

Router(config)#int fa0/0

Router(config-if)#ip ac 35 in

Router(config-if)#ex
```

ROUTER 1

Router>en

Router#conf t

Router(config)#int fa0/0

Router(config-if)#ip add 30.0.0.1 255.0.0.0

Router(config-if)#no shut

Router(config-if)#exit

Router(config)#int se0/0/1

Router(config-if)#ip add 20.0.0.2 255.0.0.0

Router(config-if)#no shut

Router(config-if)#exit

Router(config)#ip dhcp ex 30.0.0.1 30.0.0.100

Router(config)#ip dhcp pool f

Router(dhcp-config)#network 30.0.0.0 255.0.0.0

Router(dhcp-config)#de 30.0.0.1

Router(dhcp-config)#exit

```
Router(config)#int se0/0/0Router(config-if)#ip add 40.0.0.1
255.0.0.0

Router(config-if)#no shut

Router(config-if)#ex


Router(config)#router rip

Router(config-router)#network 30.0.0.1

Router(config-router)#network 20.0.0.2

Router(config-router)#network 40.0.0.1




Router>en

Router#conf t

Router(config)#ac 46 permit 10.0.0.0 0.255.255.255

Router(config)#ip nat pool fiit 192.168.1.1 192.168.1.3 netmask
255.255.255.0

Router(config)#ip nat inside source list 46 pool fiit

Router(config)#int fa0/0

Router(config-if)#ip nat inside

Router(config-if)#ex
```

Router(config)#int se0/0/0

Router(config-if)#ip nat outside

Router(config-if)#ex

Router(config)#int se0/0/1

Router(config-if)#ip nat outside

Router(config-if)#ex

ROUTER 2

Router>en

Router#conf t

Router(config)#int fa0/0

Router(config-if)#ip add 50.0.0.1 255.0.0.0

Router(config-if)#no shut

Router(config-if)#exit

Router(config)#int se0/0/1

Router(config-if)#ip add 40.0.0.2 255.0.0.0

Router(config-if)#no shut

Router(config-if)#exit

Router(config)#ip dhcp ex 50.0.0.01 50.0.0.100

Router(config)#ip dhcp pool h

```
Router(dhcp-config)#network 50.0.0.0 255.0.0.0

Router(dhcp-config)#de 50.0.0.1

Router(dhcp-config)#exit


Router(config)#int se0/0/1

Router(config-if)#ip add 60.0.0.1 255.0.0.0

Router(config-if)#no shut

Router(config-if)#exit


Router(config)#router rip

Router(config-router)#network 50.0.0.1

Router(config-router)#network 40.0.0.2

Router(config-router)#network 60.0.0.1


Router>en

Router#config t

Router(config)#ac 105 deny tcp 50.0.0.102 255.0.0.0 30.0.0.104
255.0.0.0

Router(config)#ac 105 permit ip any any

Router(config)#int fa0/0

Router(config-if)#ip ac 105 in

Router(config-if)#ex
```