P4(Configuring IPv6 ACLs : configuring for router code)part 4))

For setting the ipv6 addresses we need to use the CLI mode for each

Router as follows

Configuring Router0

Router>

Router>enable

Router#

Router#configure terminal

Router(config)#ipv6 unicast-routing

Router(config)#interface GigabitEthernet0/0

Router(config-if)#ipv6 address 2002::1/64

Router(config-if)#ipv6 rip a enable

Router(config-if)#no shutdown

Router(config-if)#exit

Router(config)#

Router(config)#interface GigabitEthernet0/1

Router(config-if)#ipv6 address 2001::1/64

Router(config-if)#ipv6 rip a enable

Router(config-if)#no shutdown

Router(config-if)#exit

Router(config)#

Router(config)#interface Serial0/1/0

Router(config-if)#ipv6 address 2003::1/64

Router(config-if)#ipv6 rip a enable

Router(config-if)#no shutdown

Router(config)#

Configuring Router1

Router>enable

Router#configure terminal

Router(config)#ipv6 unicast-routing

Router(config)#

Router(Config)#interface Serial0/1/0

Router(config-if)#ipv6 address 2003::1/64

Router(config-if)#ipv6 rip a enable

Router(config-if)#no shutdown

Router(config-if)#

Router(config-if)#exit

Router(config)#

Router(config)#interface Serial0/1/1

Router(config-if)#ipv6 address 2004::1/64

Router(config-if)#ipv6 rip a enable

Router(config-if)#no shutdown

Router(config-if)#exit

Configuring Router2

Router>enable

Router#configure terminal

Router(config)#ipv6 unicast-routing

Router(config)#

Router(config)#interface Serial0/1/1

Router(config-if)#ipv6 address 2004::2/64

Router(config-if)#ipv6 rip a enable

Router(config-if)#no shutdown

Router(config-if)#exit

Router(config)#interface GigabitEthernet0/0

Router(config-if)#ipv6 address 2005::1/64

Router(config-if)#ipv6 rip a enable

Router(config-if)#no shutdown

Router(config-if)#exitRouter(config)#

Router(config)#

Router(config-if)#exit

Check the connectivity by pinging from PCs to Server

ON **PC0** AND Go to the **command Prompt ping to the server IP Address**

ON PC1 AND Go to the **command Prompt ping to the PC0 IP Address**