IPV6 Configuration for Routers(CSE307::K32WH G-1)

2000::1/64   2000::2/64

Fa0/1   Fa0/1

1841   1841 Fa0/0

2001::1/64 R Fa0/0   Router1   2002::1/64

Fa0   Fa0

PC-PT   PC-PT

PC0   PC1

2001::2/64   2002::2/64
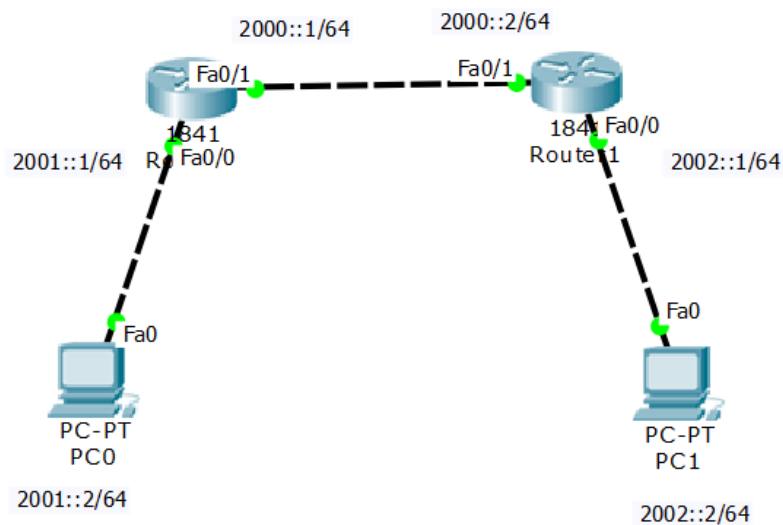
IPV6 STATIC ROUTING CONFIGURATION

STEP1:Configure IPv6 address on Router R1 with Static IPv6 Route:

Router>en

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#host R1

R1(config)#ipv6 unicast-routing

R1(config)#int fa0/0

R1(config-if)#ipv6 address 2001::1/64

R1(config-if)#no shut

R1(config-if)#exit

R1(config)#int fa0/1

R1(config-if)#ipv6 address 2000::1/64

R1(config-if)#no shut

R1(config)#ipv6 route 2002::/64 2000::2

STEP 2: IPv6 Address configuration on Router R2 and also configure IPv6 static route

Router>en

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#host R2

R2(config)#ipv6 unicast-routing

R2(config)#int fa0/0

R2(config-if)#ipv6 address 2002::1/64

R2(config-if)#no shut

R2(config-if)#exit

R2(config)#int fa0/1

R2(config-if)#ipv6 address 2000::2/64

R2(config-if)#no shut

R2(config-if)#exit

R2(config)#ipv6 route 2001::/64 2000::1

STEP 3: Assign IPv6 Address on Both PC.