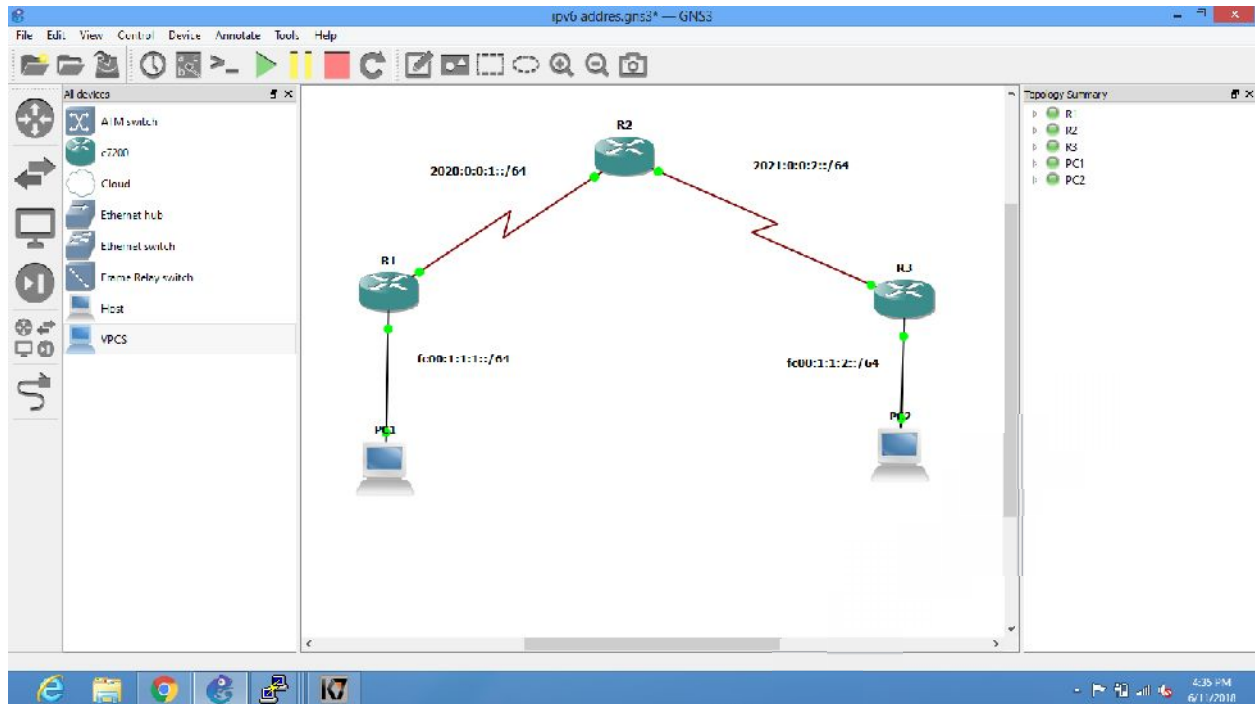


## ipv6 static address configuration



### Router 1 configuration

```
interface FastEthernet0/0
```

```
no ip address
```

```
duplex full
```

```
ipv6 address FC00:1:1:1::/64 eui-64
```

```
!
```

```
interface Serial1/0
```

```
no ip address
```

```
ipv6 address 2020:0:0:1::/64 eui-64
```

```
serial restart-delay 0
```

```
ipv6 route 2021:0:0:2::/64 2020::1:C802:16FF:FEF4:0
```

```
ipv6 route FC00:1:1:2::/64 2020::1:C802:16FF:FEF4:0
```

## ipv6 static address configuration

### R2 configuration

```
!  
interface Serial1/0  
no ip address  
ipv6 address 2020:0:0:1::/64 eui-64  
serial restart-delay 0  
!  
interface Serial1/1  
no ip address  
ipv6 address 2021:0:0:2::/64 eui-64  
serial restart-delay 0  
  
ipv6 route FC00:1:1:1::/64 2020::1:C801:16FF:FEBC:0  
ipv6 route FC00:1:1:2::/64 2021::2:C803:CFF:FEF8:0
```

### R 3 configuration

```
interface FastEthernet0/0  
no ip address  
duplex full  
ipv6 address FC00:1:1:2::/64 eui-64  
ipv6 enable  
!  
!  
interface Serial1/1  
no ip address
```

## ipv6 static address configuration

```
ipv6 address 2021:0:0:2::/64 eui-64
```

```
serial restart-delay 0
```

```
ipv6 route 2020:0:0:1::/64 2021::2:C802:16FF:FEF4:0
```

```
ipv6 route FC00:1:1:1::/64 2021::2:C802:16FF:FEF4:0
```

R1

```
R1#sho ipv6 route static
```

```
IPv6 Routing Table - default - 7 entries
```

```
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
```

```
      B - BGP, R - RIP, H - NHRP, I1 - ISIS L1
```

```
      I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary, D - EIGRP
```

```
      EX - EIGRP external, ND - ND Default, NDp - ND Prefix, DCE - Destination
```

```
      NDr - Redirect, O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1
```

```
      OE2 - OSPF ext 2, ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2, 1 -  
LISP
```

```
S 2021:0:0:2::/64 [1/0]
```

```
    via 2020::1:C802:16FF:FEF4:0
```

```
S FC00:1:1:2::/64 [1/0]
```

```
    via 2020::1:C802:16FF:FEF4:0
```

R2

```
R2#sho ipv6 route static
```

```
IPv6 Routing Table - default - 7 entries
```

```
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
```

```
      B - BGP, R - RIP, H - NHRP, I1 - ISIS L1
```

## ipv6 static address configuration

I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary, D - EIGRP

EX - EIGRP external, ND - ND Default, NDp - ND Prefix, DCE - Destination

NDr - Redirect, O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1

OE2 - OSPF ext 2, ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2, 1 -  
LISP

S FC00:1:1:1::/64 [1/0]

via 2020::1:C801:16FF:FEBC:0

S FC00:1:1:2::/64 [1/0]

via 2021::2:C803:CFF:FEF8:0

R3

R3#sho ipv6 route static

IPv6 Routing Table - default - 7 entries

Codes: C - Connected, L - Local, S - Static, U - Per-user Static route

B - BGP, R - RIP, H - NHRP, I1 - ISIS L1

I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary, D - EIGRP

EX - EIGRP external, ND - ND Default, NDp - ND Prefix, DCE - Destination

NDr - Redirect, O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1

OE2 - OSPF ext 2, ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2, 1 -  
LISP

S 2020:0:0:1::/64 [1/0]

via 2021::2:C802:16FF:FEF4:0

S FC00:1:1:1::/64 [1/0]

via 2021::2:C802:16FF:FEF4:0

ipv6 static address configuration

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