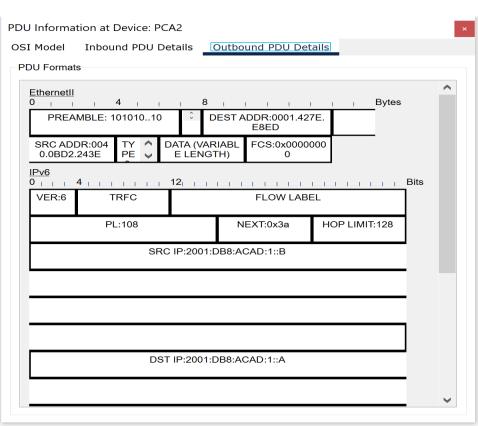


## Part1: IPv6 Neighbor Discovery Local Network



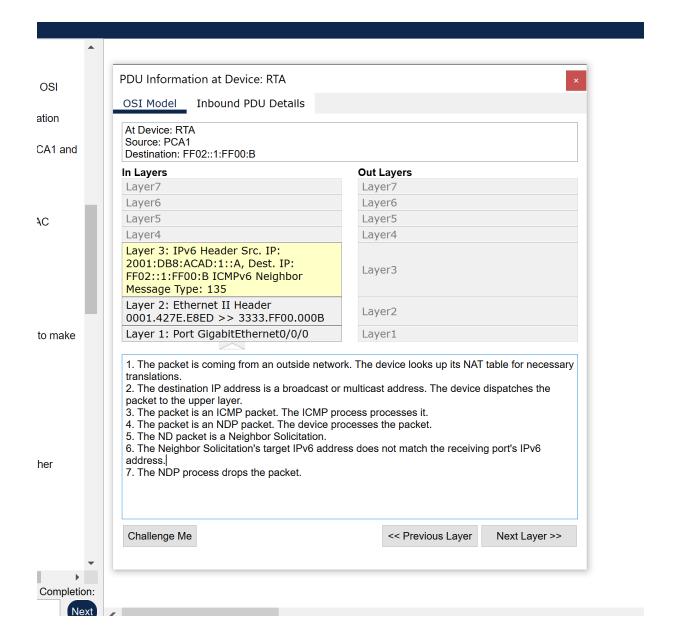


```
C:\>ping -n 1 2001:db8:acad:1::b

Pinging 2001:db8:acad:1::b with 32 bytes of data:

Reply from 2001:DB8:ACAD:1::B: bytes=32 time=8ms TTL=128

Ping statistics for 2001:DB8:ACAD:1::B:
   Packets: Sent = 1, Received = 1, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 8ms, Maximum = 8ms, Average = 8ms
```

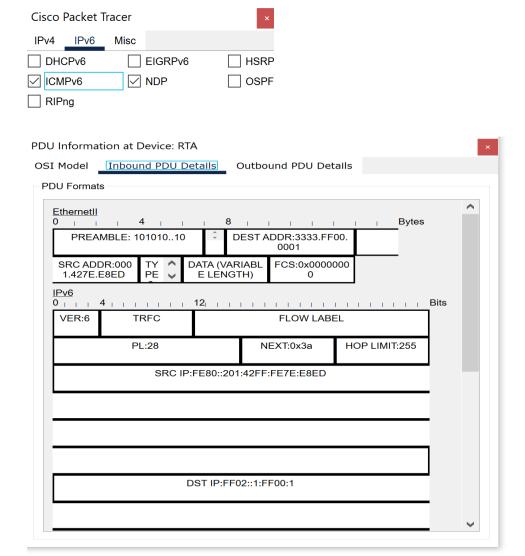


RTA>show ipv6 neighbors RTA>en RTA#show ipv6 neighbors RTA#show ipv6 neighbors IPv6 Address 2001:DB8:ACAD:1::B RTA#

Age Link-layer Addr State Interface 2 0040.0BD2.243E REACH Gig0/0/0

## Part2:

## 1:



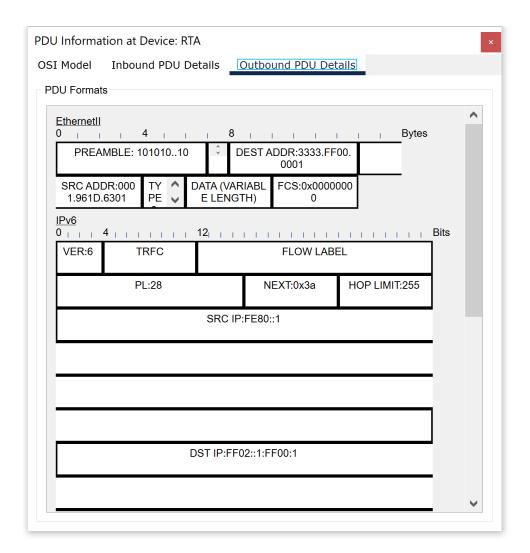
```
C:\>ping n 1 2001:db8:acad:2::a -
Invalid Command.

C:\>ping -n 1 2001:db8:acad:2::a

Pinging 2001:db8:acad:2::a with 32 bytes of data:

Reply from 2001:DB8:ACAD:2::A: bytes=32 time=24ms TTL=127

Ping statistics for 2001:DB8:ACAD:2::A:
    Packets: Sent = 1, Received = 1, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 24ms, Maximum = 24ms, Average = 24ms
```



## Step2:

```
RTA#clear ipv6 ?
           Clear IPv6 DHCP information
   dhcp
                Clear NAT-PT
   nat
   neighbors Clear IPv6 ND Entry Cache
           OSPF clear commands
Clear IPv6 route table entries
   ospf
   route
 RTA#clear ipv6 ne
 RTA#clear ipv6 neighbors
 RTA#show ipv6 neighbors
                                                     Age Link-layer Addr State Interface
2 0001.427E.E8ED REACH Gig0/0/0
2 0060.2F68.9E91 REACH Gig0/0/1
2 0001.427E.E8ED REACH Gig0/0/0
 IPv6 Address
 2001:DB8:ACAD:1::A
 2001:DB8:ACAD:2::A
 FE80::201:42FF:FE7E:E8ED
                                                        2 0060.2F68.9E91 REACH Gig0/0/1
 FE80::260:2FFF:FE68:9E91
 RTA#
                                                                                                           Сору
                                                                                                                           Paste
Тор
```