13.2.6

Step 1:  Use tracert to discover the IPv4 path.

1. From PC1, trace the route to PC2.

Questions:

What addresses were encountered along the path?

10.10.1.97,

10.10.1.5,

10.10.1.10,

10.10.1.20

With which interfaces are the four addresses associated

G0/0 - R1,

S0/0/0 - R2,

S0/0/01 - R3,

NIC - PC2

1. From PC2, trace the route to PC1.

Questions:

What addresses were encountered along the path?

10.10.1.17,

10.10.1.9,

10.10.1.6,

10.10.1.100

With which interfaces are the four addresses associated?

G0/0 - R3,

S0/0/1 - R2,

S0/0/1 - R1,

NIC - PC1

Step 2:  Use tracert to discover the IPv6 path.

1. From PC1, trace the route to the IPv6 address for PC2.

Questions:

What addresses were encountered along the path?

2001:db8:1:1::1,

2001:db8:1:2::1,

2001:db8:1:3::2,

2001:db8:1:4::a

With which interfaces are the four addresses associated?

G0/0 - R1,

S0/0/0 - R2,

S0/0/1 - R3,

NIC - PC2

1. From PC2, trace the route to the IPv6 address for PC1.

Questions:

What addresses were encountered along the path?

2001:db8:1:4::1,

2001:db8:1:3::1,

2001:db8:1:2::2,

2001:db8:1:1::a

With which interfaces are the four addresses associated?

G0/0 - R3,

S0/0/1 - R2,

S0/0/1 - R1,

NIC - PC1