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Step 2:

b)

We have 4 physical interfaces.

c)

Gigabit interface:

The default bandwidth is at 100mb/s.

Serial:

The bandwidth is at 1544 Kbit.

Step 3:

For the East router we have 2 expansion slots

For the Switch 2 we have 4 expansion slots

Part 2 :

Step 1

a)

1. We need to connect 3 pc but the router doesn’t have any switch ports so we use the module HWIC-4ESW which provides four switching ports.
2. We can connect 4 hosts using this module

b)

We can insert the module PT SWITCH NM 1FGE to provide a Gigabit optical connection to switch 3

Step 2:

1. We already inserted the appropriate module into the East router
2. We already inserted the appropriate module into the Switch 2