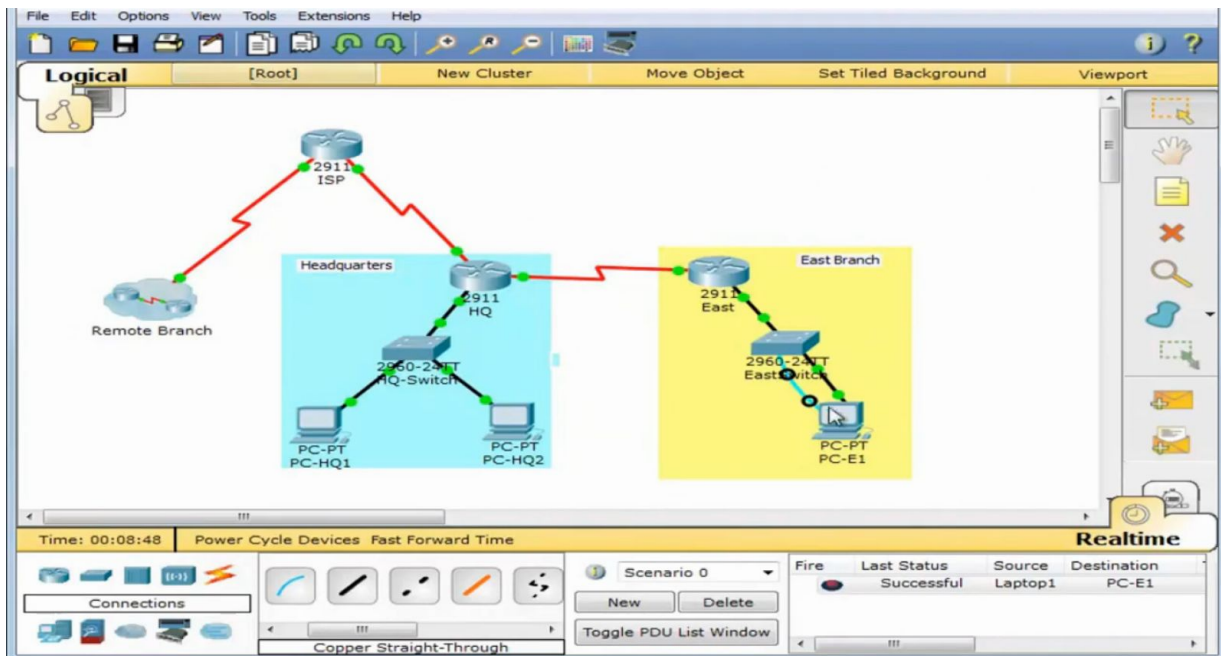


Classless Addressing

Connect the east branch

1. On East install an HWIC-2T Card in the rightmost empty slot.
2. Connect a serial cable between HQ S0/0/1 (DCE) and East S0/0/1
3. Connect the appropriate cable EastSwitch G0/1 to East G0/2
4. Connect a console cable from PC-E1 to EastSwitch
5. Connect the appropriate network cable from PC-E1 to EastSwitch F0/1



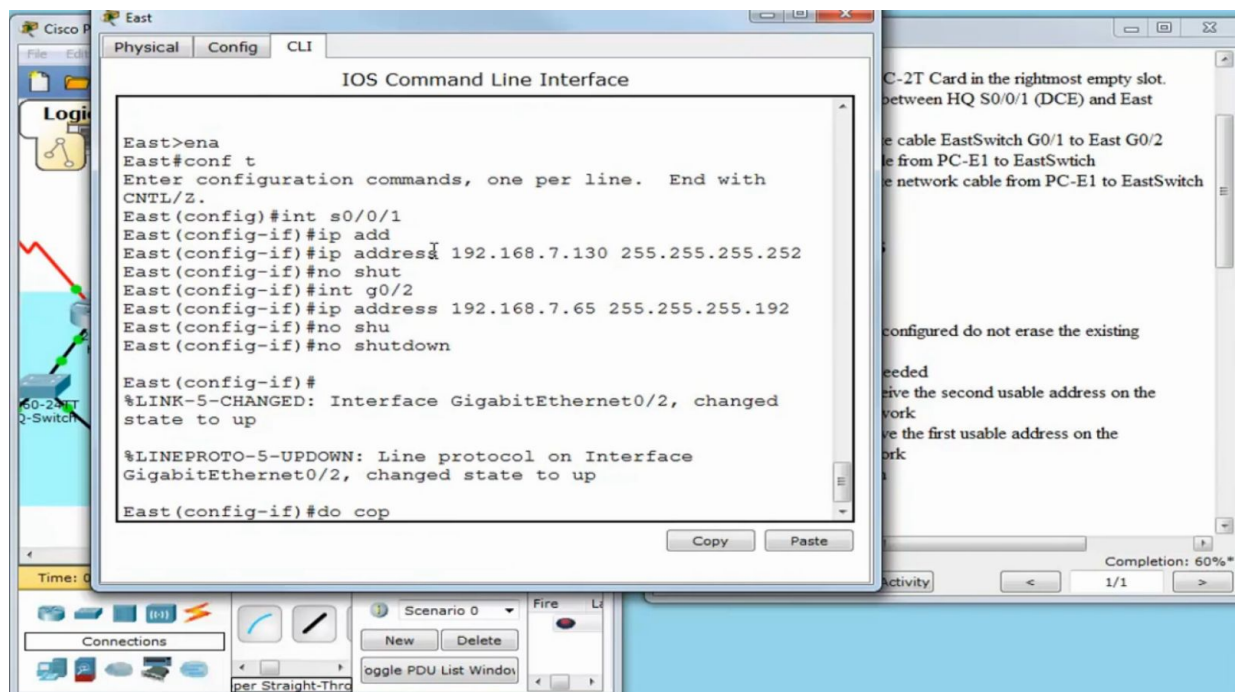
Configure devices

Configure East

1. East has been partially configured do not erase the existing configuration
2. Activate interfaces as needed
3. East S0/0/1 should receive the second usable address on the 65.168.7.128/30 network
4. East G0/2 should receive the first usable address on the 65.168.7.64/26 network
5. Save your configuration

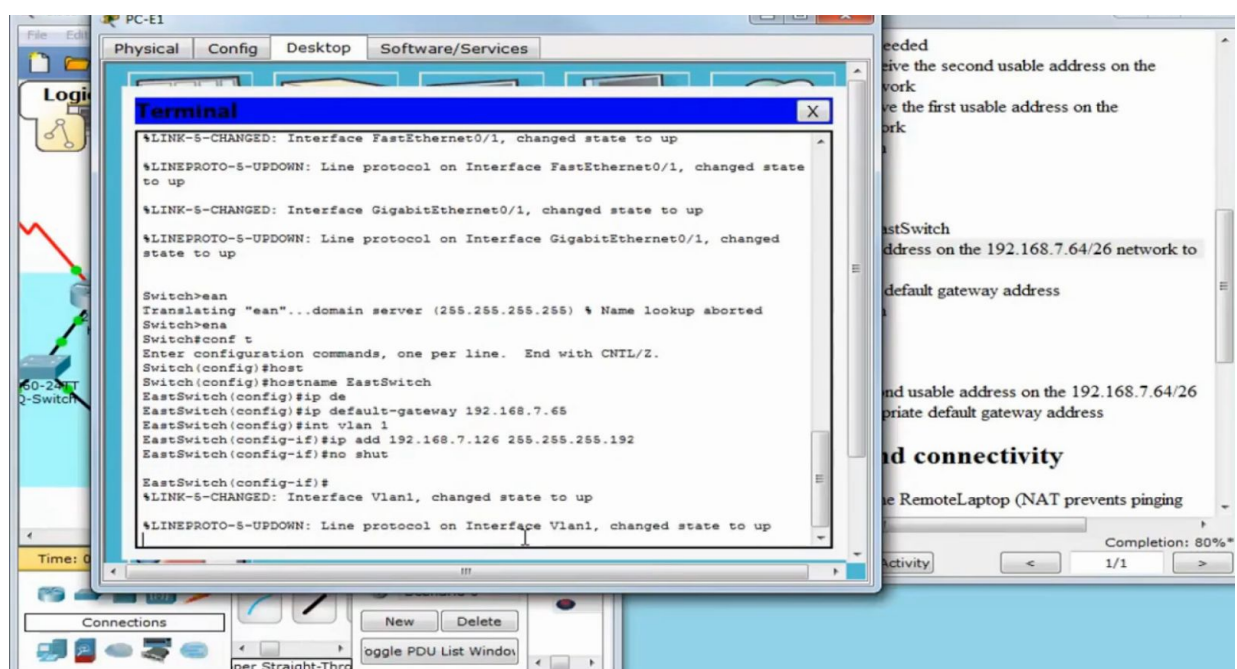
Configure EastSwitch

1. Assign the hostname EastSwitch
2. Assign the last usable address on the 65.168.7.64/26 network to the management SVI
3. Assign the appropriate default gateway address
4. Save your configuration



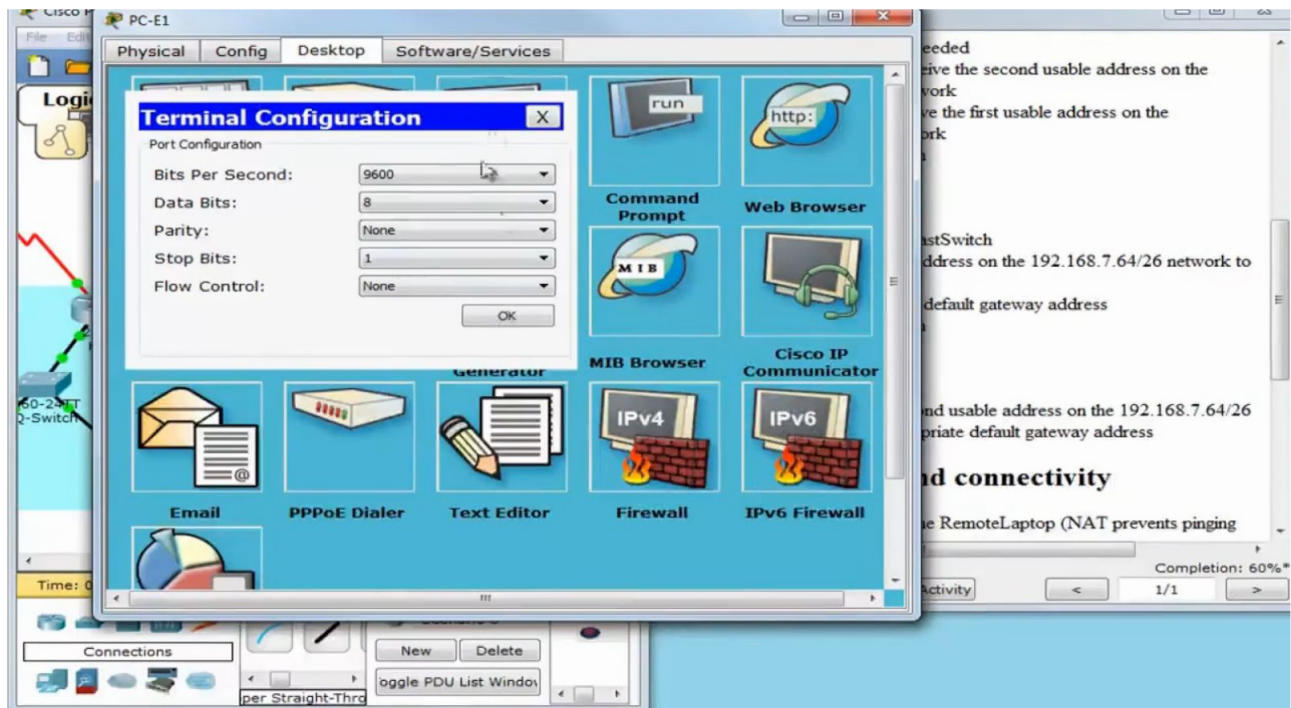
Configure PC-E1

1. Assign PC-E1 the second usable address on the 65.168.7.64/26 network and the appropriate default gateway address



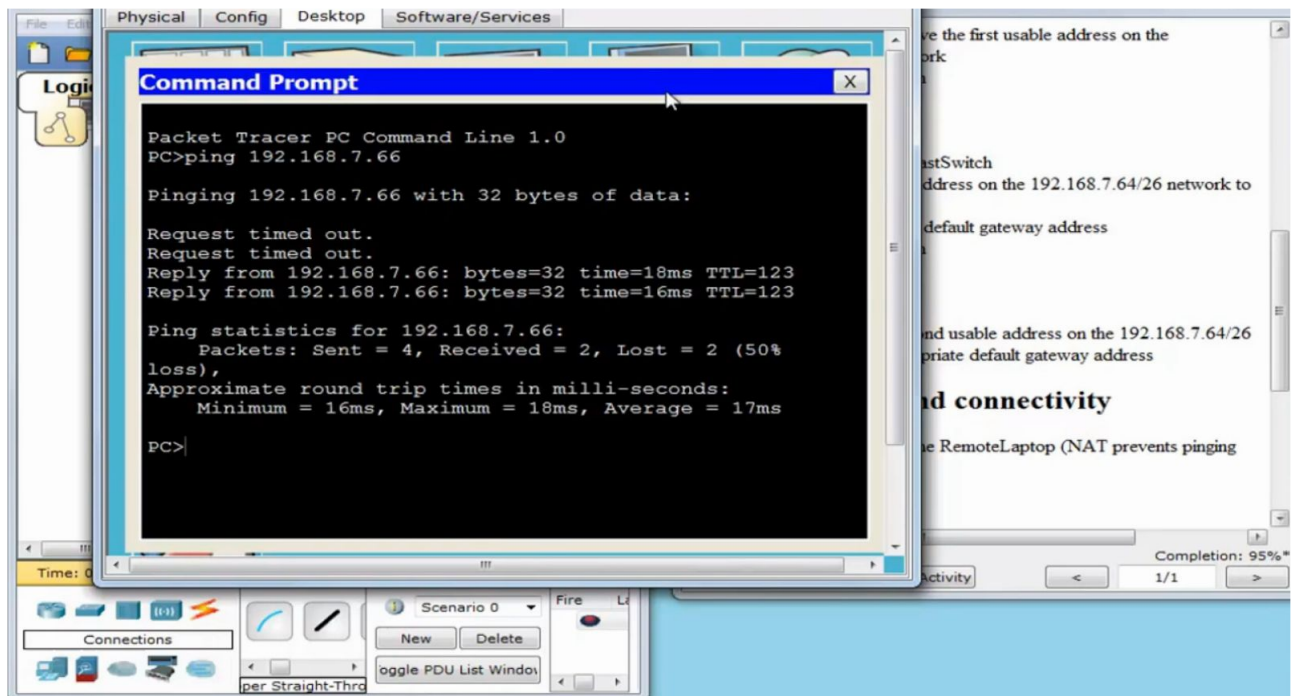
Confirm end to end connectivity

1. Ping the PC-E1 from the RemoteLaptop (NAT prevents pinging the RemoteLaptop)



Addressing Table

Device	Interface	IP Address	Subnet Mask
East	G0/2	65.168.7.65	255.255.255.65
East	S0/0/1	65.168.7.130	255.255.255.252
EastSwitch	VLAN 1	65.168.7.126	255.255.255.65
PC-E1	NIC	65.168.7.65	255.255.255.65



Classful Addressing

Connecting and Configuring a Branch Office

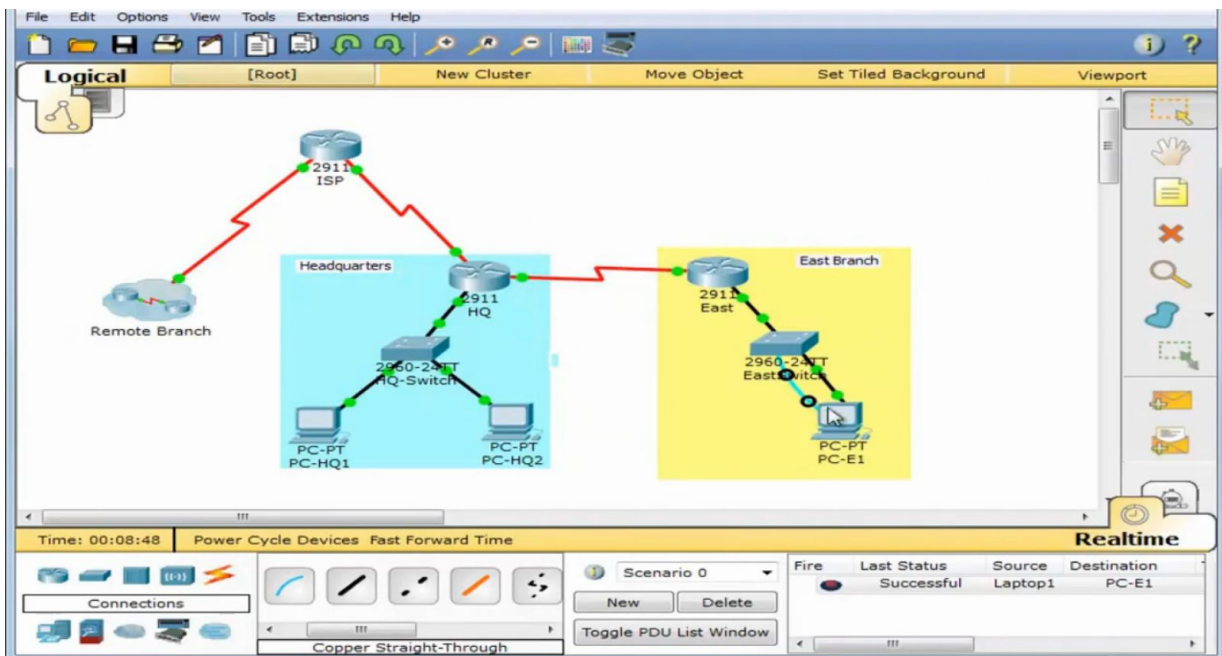
Connect the east branch

1. On East install an HWIC-2T Card in the rightmost empty slot.
2. Connect a serial cable between HQ S0/0/1 (DCE) and East S0/0/1
3. Connect the appropriate cable EastSwitch G0/1 to East G0/2
4. Connect a console cable from PC-E1 to EastSwitch
5. Connect the appropriate network cable from PC-E1 to EastSwitch F0/1

Configure devices

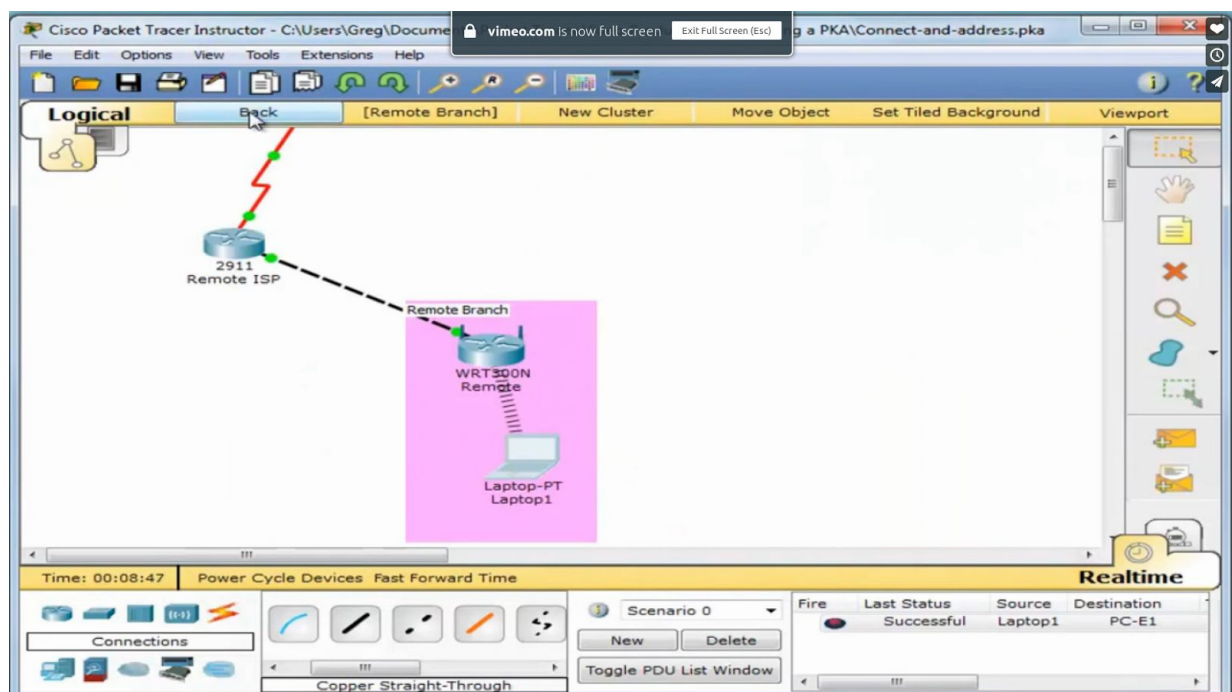
Configure East

1. East has been partially configured do not erase the existing configuration
2. Activate interfaces as needed
3. East S0/0/1 should receive the second usable address on the 65.168.7.128/8 network
4. East G0/2 should receive the first usable address on the 65.168.7.64/16 network
5. Save your configuration



Configure EastSwitch

1. Assign the hostname EastSwitch
2. Assign the last usable address on the 65.168.7.64/16 network to the management SVI
3. Assign the appropriate default gateway address
4. Save your configuration



Configure PC-E1

1. Assign PC-E1 the second usable address on the 65.168.7.64/16 network and the appropriate default gateway address

Confirm end to end connectivity

1. Ping the PC-E1 from the RemoteLaptop (NAT prevents pinging the RemoteLaptop)

Addressing Table

Device	Interface	IP Address	Subnet Mask
East	G0/2	65.168.7.65/16	255.255.255.65
East	S0/0/1	65.168.7.130/16	255.255.255.252
EastSwitch	VLAN 1	65.168.7.126/8	255.255.255.65
PC-E1	NIC	65.168.7.65/8	255.255.255.65