

# Cloud Computing and Virtualization Lab

**Presented by:**  
**Saurabh Singhal**  
**Assistant Professor**

# Star Topology

- One central device: Switch
- End Device: PCs or Laptop
- Cables: Copper Straight Through

# Star Topology

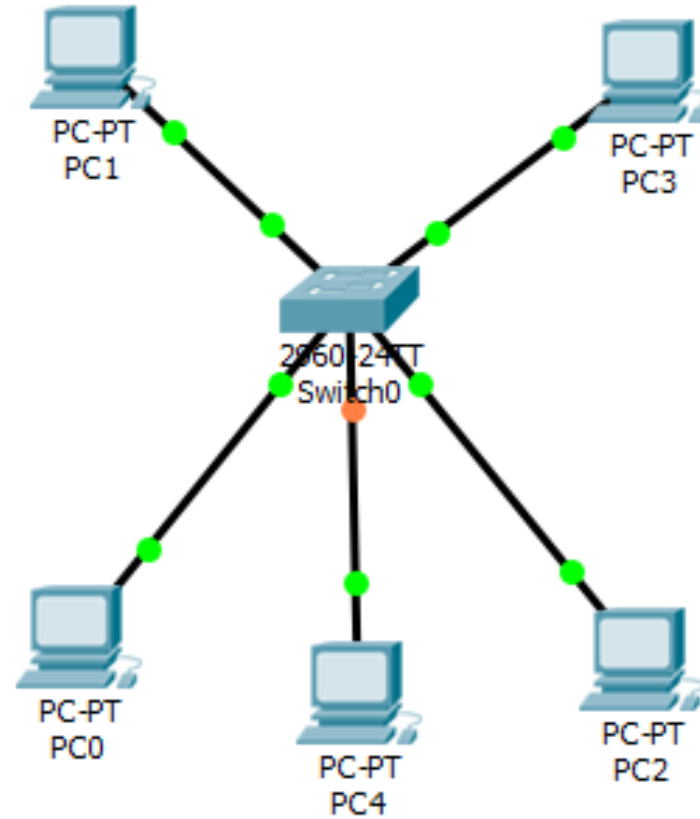
**Step1:** Drag a switch from network device switch to logical space

**Step2:** Drag PCs or Laptop from end devices to logical space

**Step3:** Select Copper Straight Through cable from cables to connect the end devices to Switch

**Step4:** Wait for connections to be established

# Star Topology



# Bus Topology

- Networking Device: Switch-Multiple
- End Device: PCs or Laptop
- Cables: Copper Straight Through and Copper Cross Over

# Bus Topology

**Step1:** Drag multiple switch from network device switch to logical space

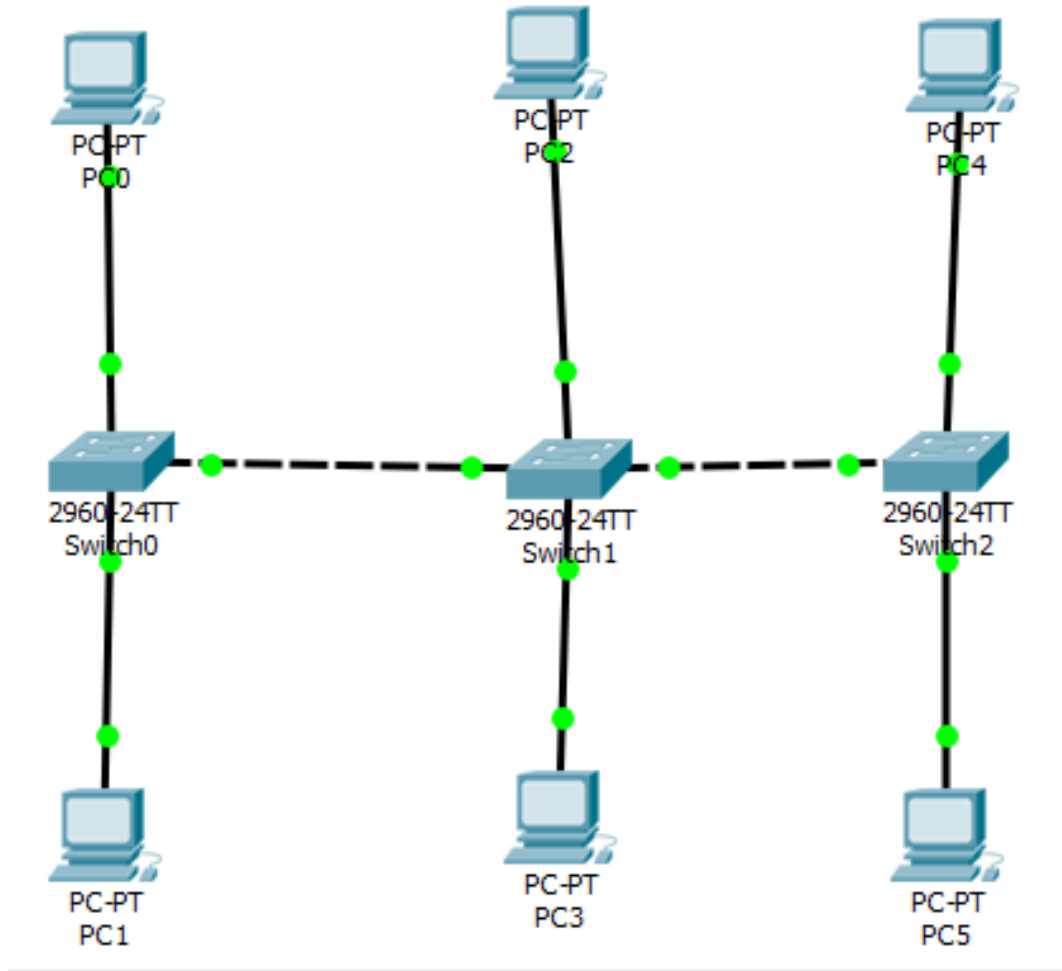
**Step2:** Drag PCs or Laptop from end devices to logical space

**Step3:** Select Copper Straight Through cable from cables to connect the end devices to Switch

**Step4:** Select Copper Cross Over cable from cables to connect the Switch with other Switch

**Step4:** Wait for connections to be established

# Bus Topology



# Ring Topology

- Networking Device: Switch-Multiple
- End Device: PCs or Laptop
- Cables: Copper Straight Through and Copper Cross Over



# Ring Topology

**Step1:** Drag multiple switch from network device switch to logical space

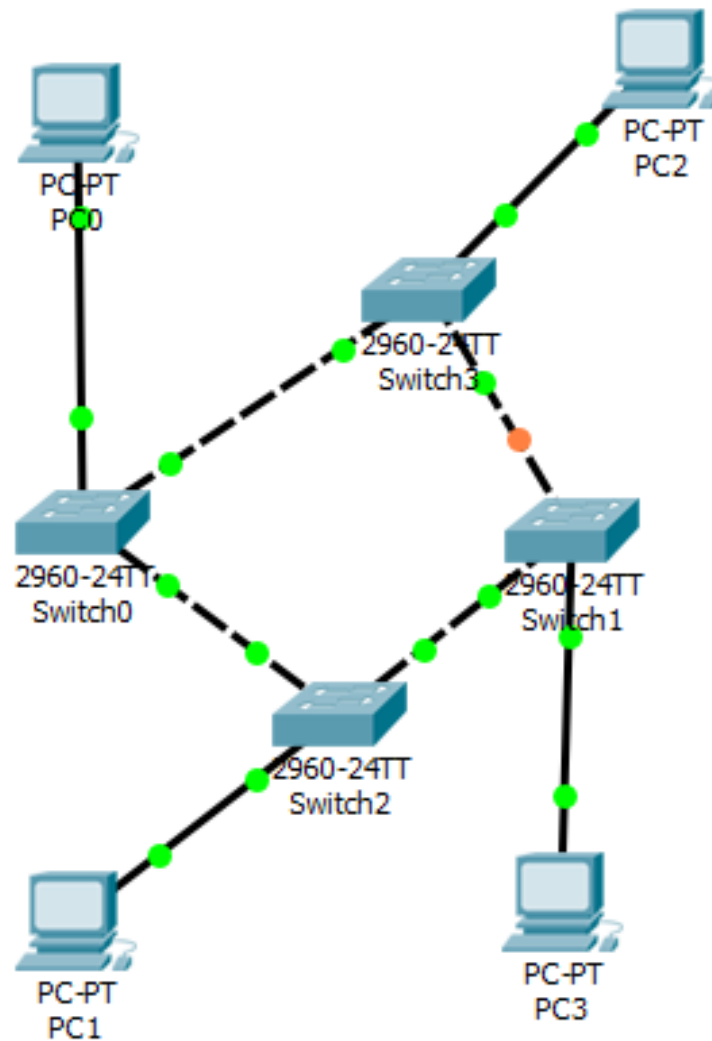
**Step2:** Drag PCs or Laptop from end devices to logical space

**Step3:** Select Copper Straight Through cable from cables to connect the end devices to Switch

**Step4:** Select Copper Cross Over cable from cables to connect the Switch with other Switch

**Step4:** Wait for connections to be established

# Ring Topology



# Tree Topology

- Networking Device: Switch-Multiple
- End Device: PCs or Laptop
- Cables: Copper Straight Through and Copper Cross Over

# Tree Topology

**Step1:** Drag multiple switch from network device switch to logical space

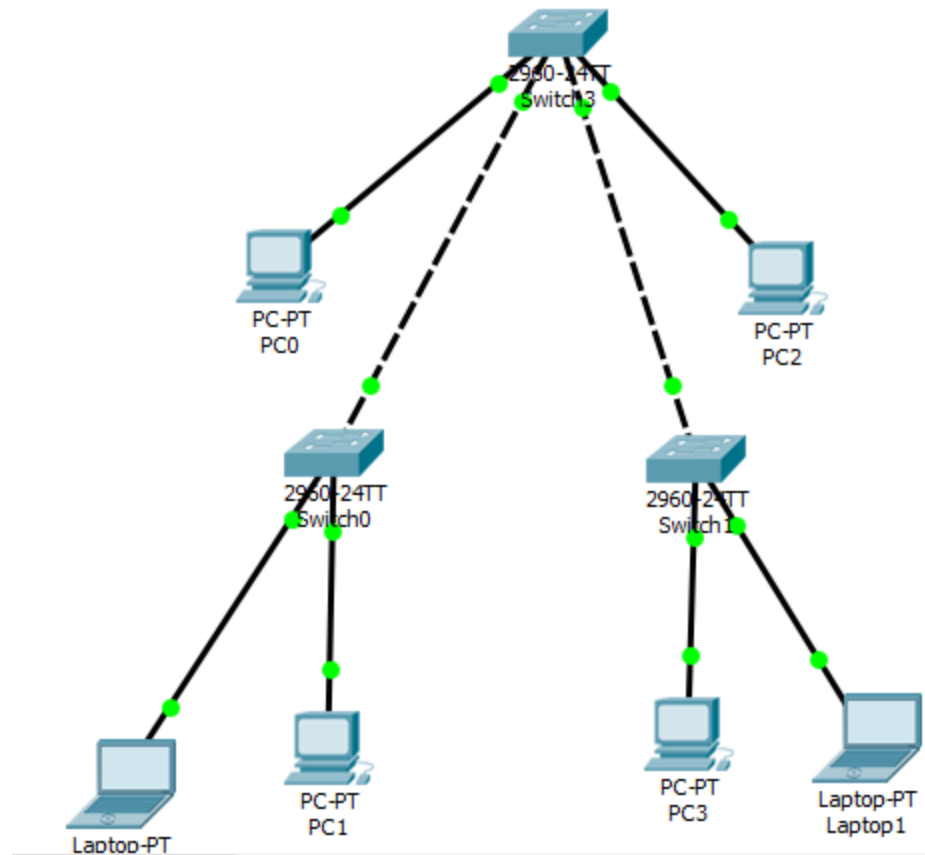
**Step2:** Drag PCs or Laptop from end devices to logical space

**Step3:** Select Copper Straight Through cable from cables to connect the end devices to Switch

**Step4:** Select Copper Cross Over cable from cables to connect the Switch with other Switch

**Step4:** Wait for connections to be established

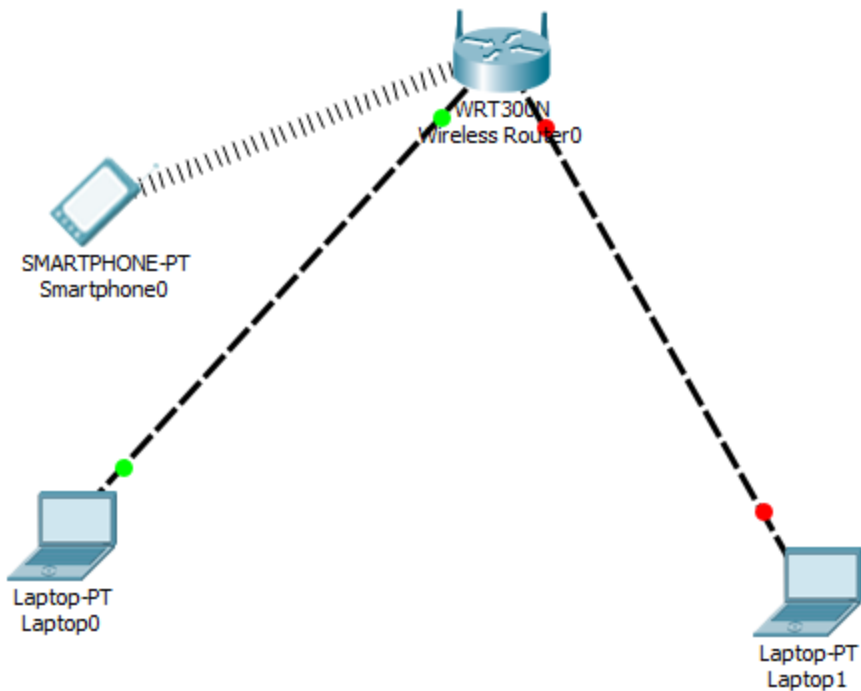
# Tree Topology



# Wireless Connections

- Networking Device: Wireless Router
- End Device: Smart Devices or Laptop or Wireless Tablet
- Cables: Copper Cross Over

# Wireless Connections

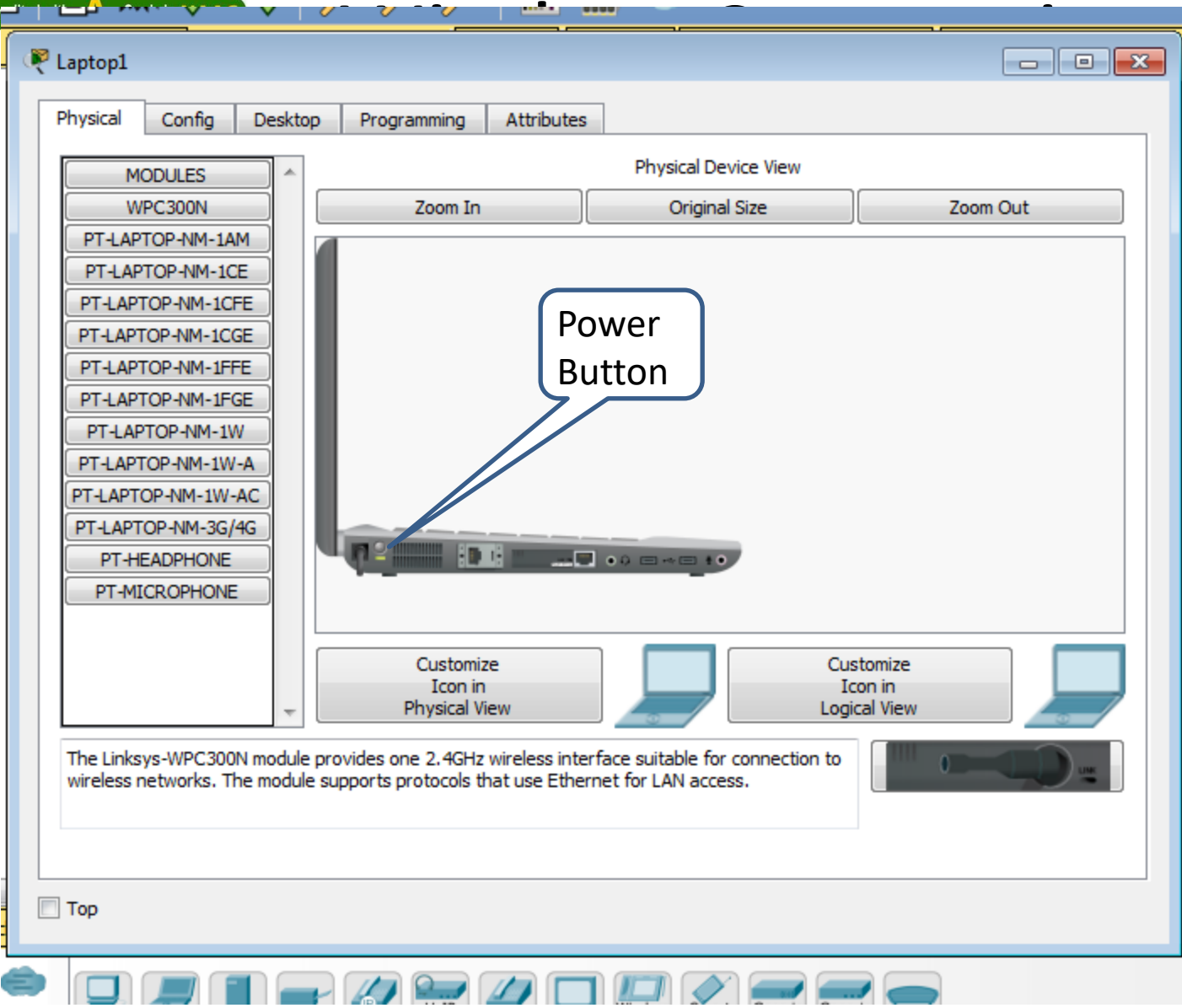


**Step1:** Drag Wireless Router from network device switch to logical space

**Step2:** Drag Wireless Devices or Laptop from end devices to logical space

**Step3:** Select Copper Cross Over cable from cables to connect the end devices to Switch

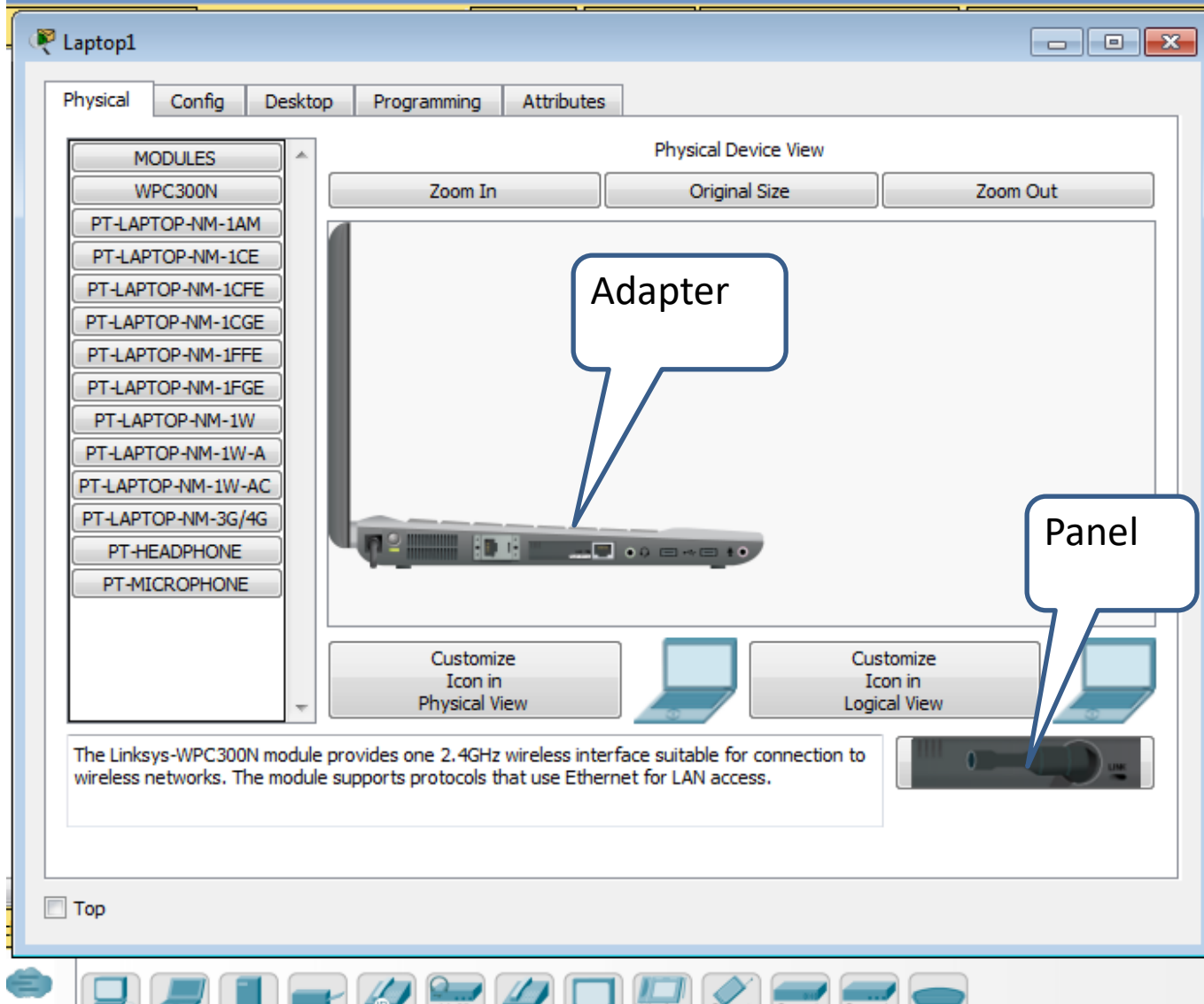
**Step4:** Wait for connections to be established



- Click on Laptop
- physical
- Zoom out
- Switch off the power of Laptop



# Wireless Connections



- Drag the adapter and drop it to the panel
- Click on WPC300N
- Drag the adapter from panel and drop it to the adapter place
- Power on the Laptop
- Repeat step for second Laptop

# Wireless Connections

