

## Wireless Network Topologies

- Wireless networks utilize radio frequencies (RF) to communicate.
- Three Specific Topologies:
  - Ad hoc
  - Infrastructure
  - Mesh



## Ad hoc

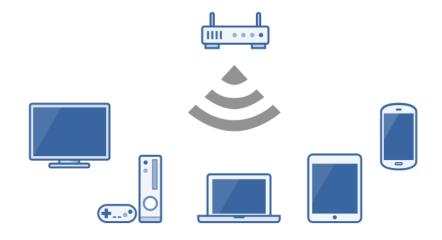
- Peer-to-peer (P2P) wireless network where no wireless access point (WAP) infrastructure exits.
- The devices communicate directly with one another.
- Personal area networks
   (PANs) are a common example of Ad hoc wireless networks.





## Infrastructure

- Wireless network that uses a wireless access point (WAP) as its central connecting device.
- Infrastructure wireless networks (WLANs) are commonly used in homes and small offices.





## Mesh

- Just like a wired mesh design, wireless mesh networks utilize several wireless access points (nodes) to create a robust wireless network that is:
  - o Scalable
  - o Self-Healing
  - o Reliable (redundancy)
- Common in larger homes and businesses.

