

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 exists.
- 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:
 - Scalable
 - Self-Healing
 - Reliable (redundancy)
- Common in larger homes and businesses.

