

Wireless (Bomball Course)

802.11 Topologies

Designed 802.11 networks to be flexible

Three types of Topologies

- Independent Basic Service Sets (IBSS) - essentially an ad hoc network
- Basic Service Set (BSS)
- Extended Service Set (ESS)

Service Set = logical grouping of devices

Ad hoc mode

Independent Basic Service Sets (IBSS)

Clients connect directly without an AP

Ad hoc - brought up when it is needed

Infrastructure mode

Basic Service Set (BSS)

Mobile clients use a single AP

Extended Service Set

Two or more BSSes

Connected by a common distribution system

Distribution system - switches/routers etc.

Multiple Access points

Basic Service Set Identifier BSSID - MAC address of AP