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