

# Networking

SSID



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- SSID – Service Set Identifier
  - Network name of a WLAN
  - 32-octet string
    - Separates for bandwidth, authentication, and security
  - Typical network for a single-family house and/or school
    - Someone visiting your house might ask “Which is your WiFi?”
      - This WiFi name is the SSID

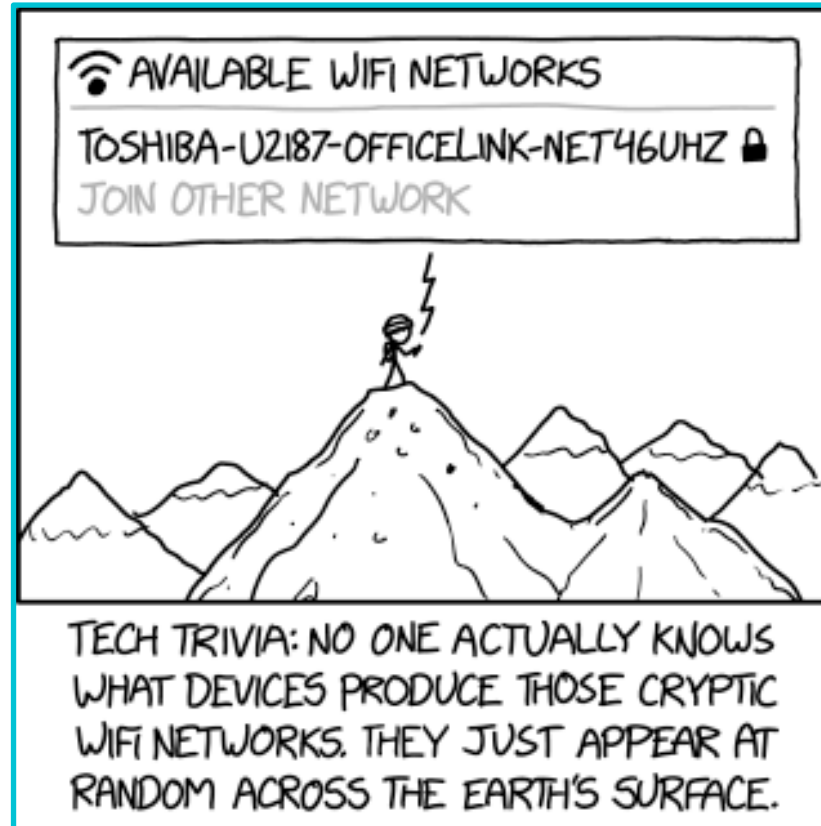


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- Basic Service Set (BSS)
  - Stations that communicate within an 802.11 network
  - Ad-hoc – temporary network
    - Most BSS networks are ad-hoc
- Extended Service Set (ESS)
  - Interconnected WLANs integrated into LANs
    - Appear as a single BSS to a logical link control layer
- Roaming – Listening/searching for another channel
  - Waiting for a response
  - Typically, when the current network is weak



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Source: <https://xkcd.com/2199/>

