

# Self-organized ESP8266 Network

- Goal: explore how to organize an NDN network of IoT devices using only WiFi AP+STA mode.
  - Organize a tree topology.
    1. WiFi SSID announces a node's distance from gateway.
    2. Everyone connects to someone closer.
      - C++, using ESP8266WiFi library.
  - Forward Interests via self-learning.
    - Simplified: everyone has the same prefix length, no Prefix Announcement.
    - C, using ndn-lite forwarding engine, which is integrated with esp8266ndn.

