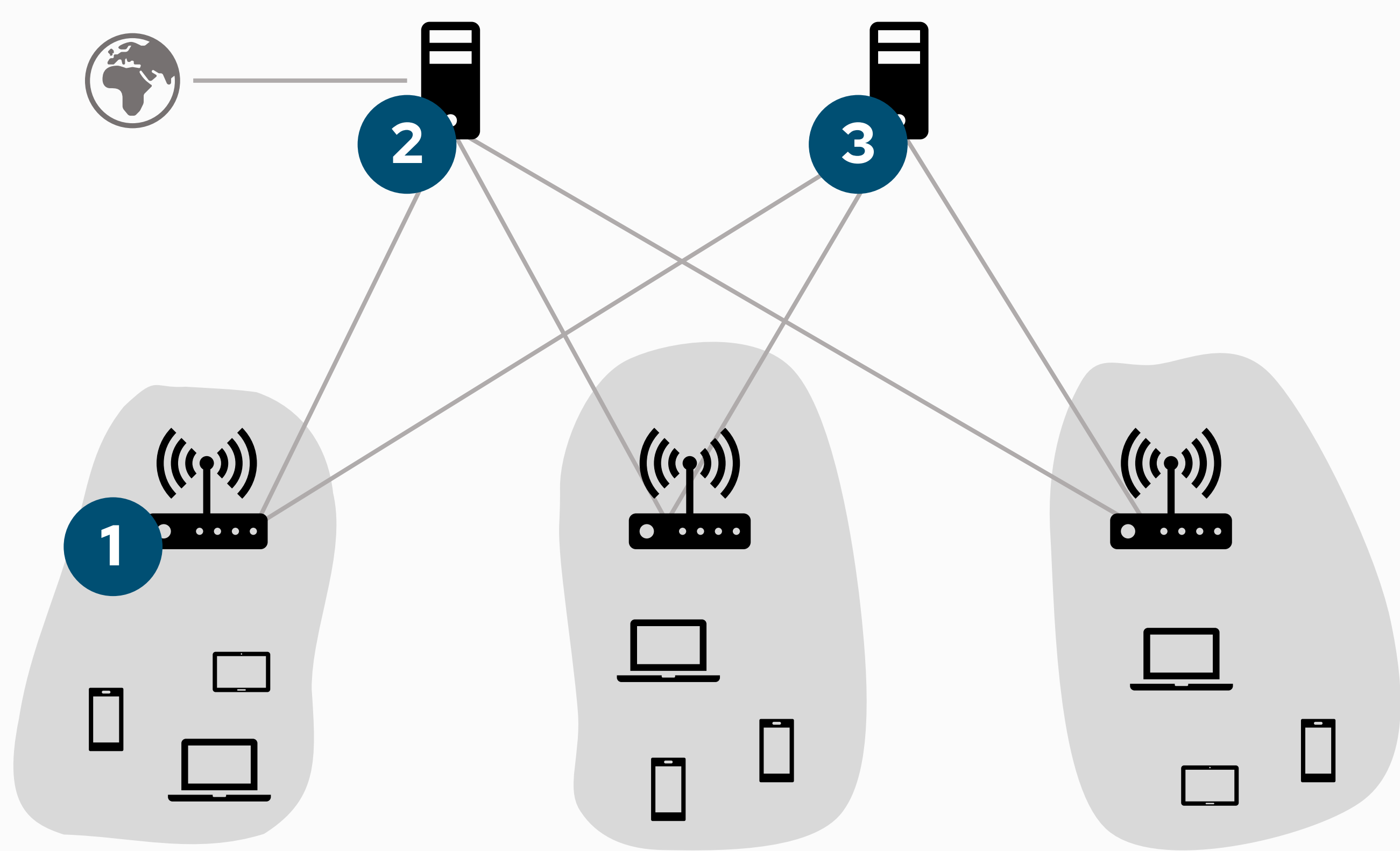


WiMoVE: Reconfiguration of Wireless Networks

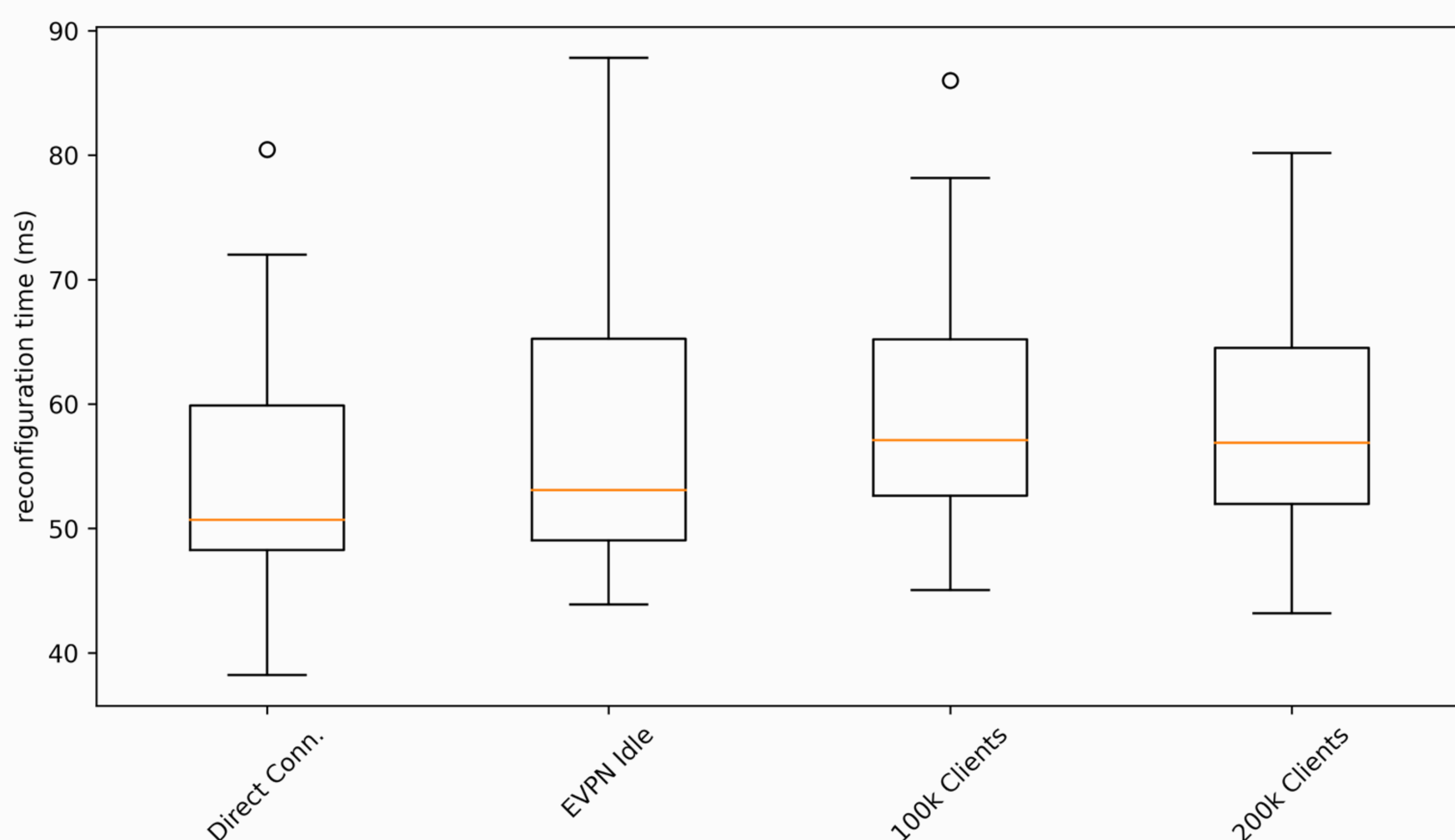
- How to operate large-scale Wi-Fi Networks?
 - Separate them into multiple L2 domains
 - Assign each user's devices to a virtual network
 - When user moves, extend the network to the new Access Point, remove it from the old one
- Savings created by reducing broadcast traffic outweigh the configuration overhead

System Architecture



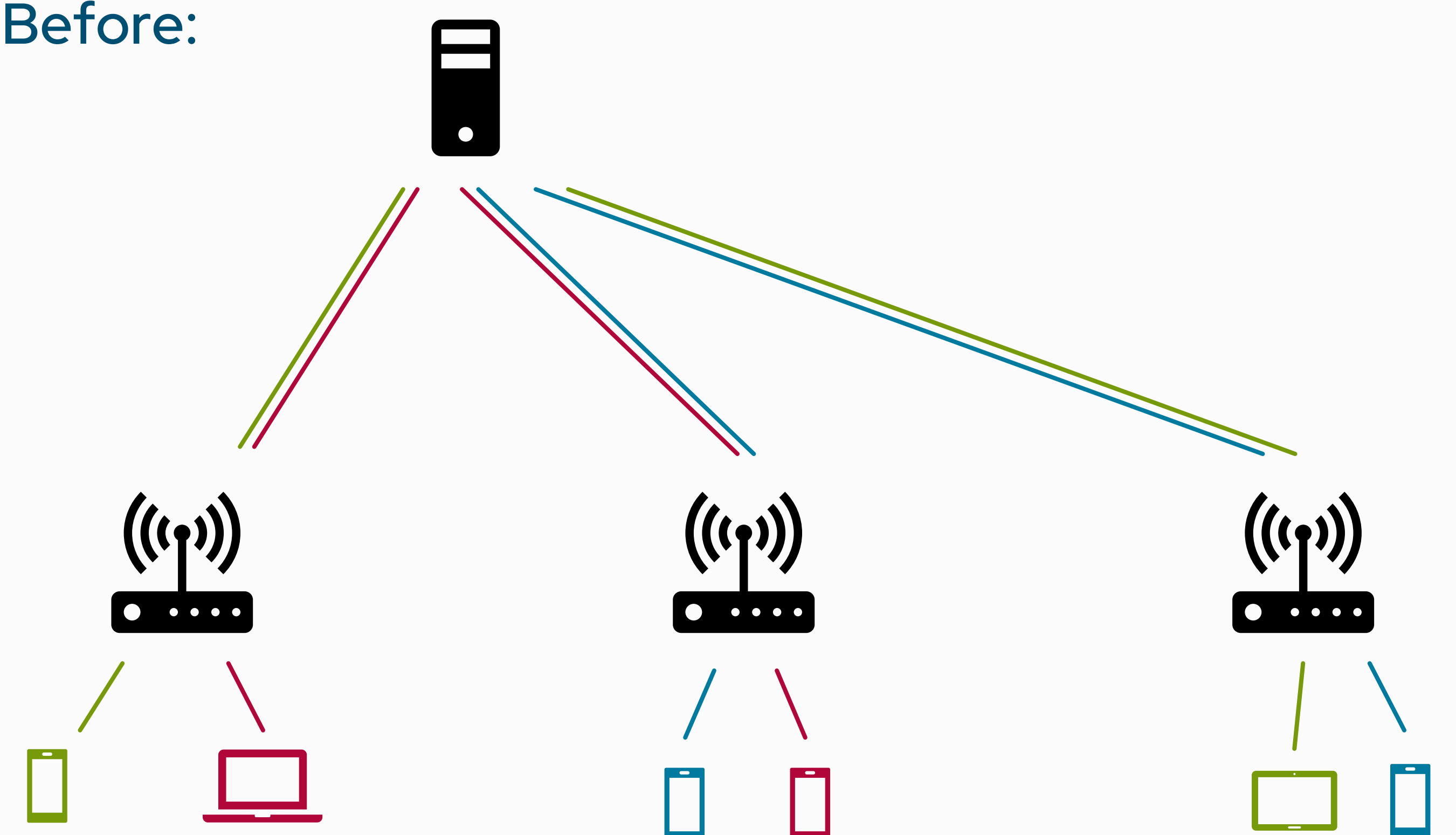
1. **Access Point:** Network access for wireless clients
2. **Gateway:** Internet access to each network
3. **Route Reflector:** Distributes reachability information

Duration of Reconfiguration

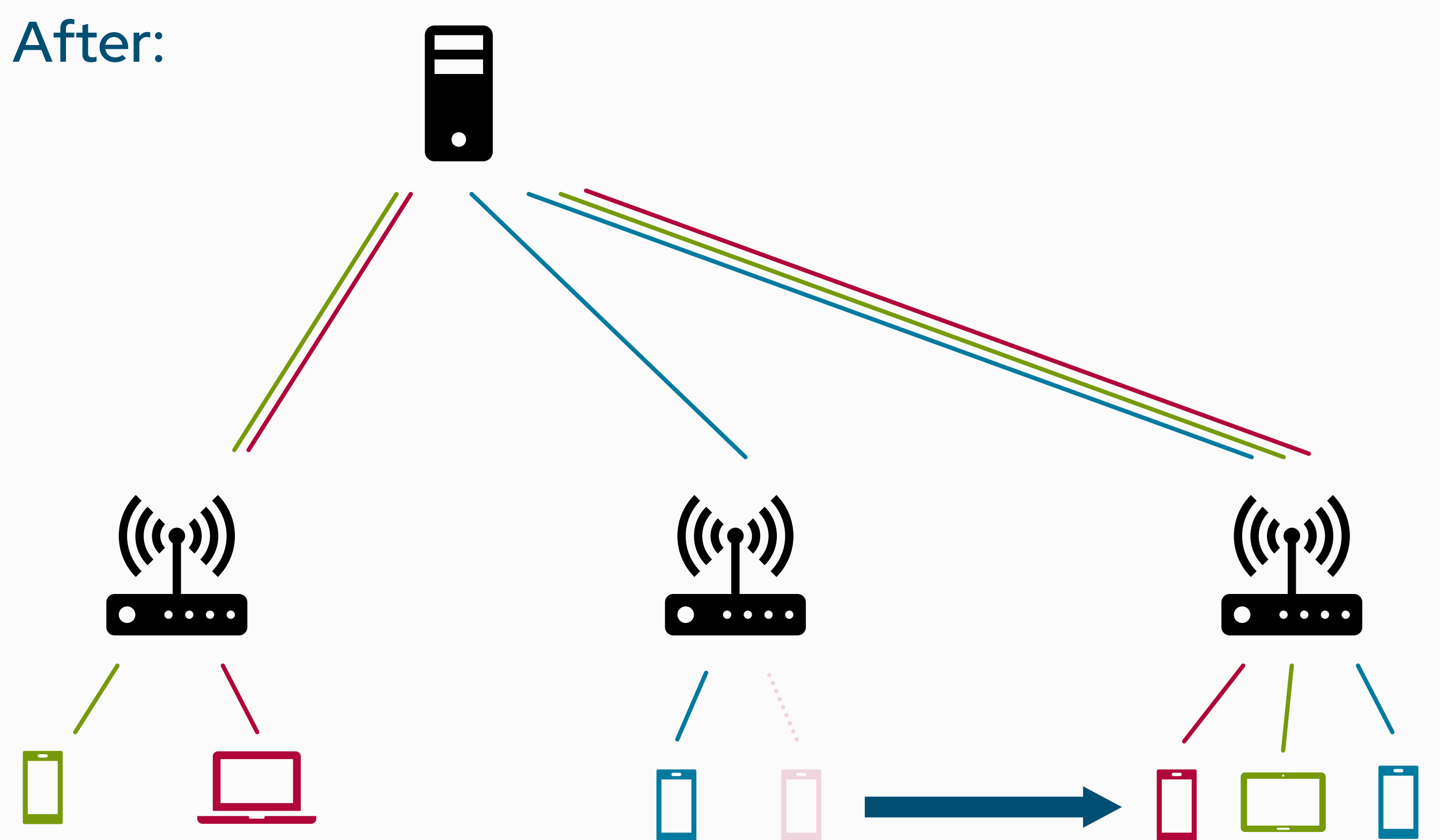


Movement Between Access Points

Before:



After:



Control Plane: BGP EVPN

