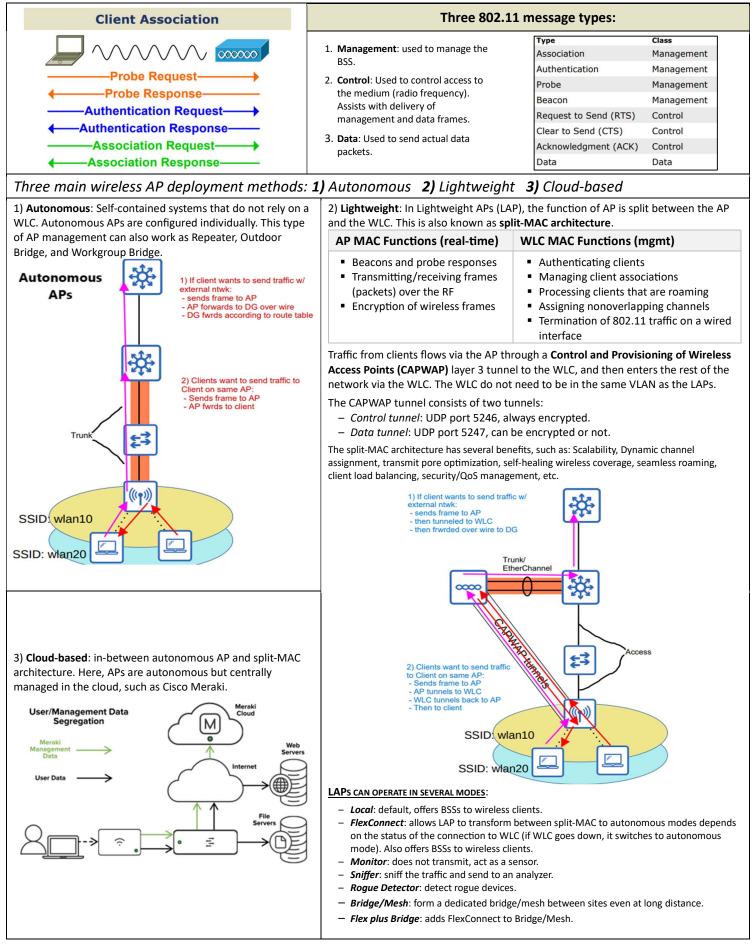
Wireless Architectures



WLC Deployments

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SSID: wlan10 SSID: wlan20 E

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Table 27-2 Summary of WLC Deployment Models

Deployment WLC Location (DC, APs Clients **Typical Use** Access, Central, AP) Model Supported Supported Unified Central 6000 64,000 Large enterprise In a split-MAC architecture, there are four main Cloud DC 3000 32.000 Private cloud WLC deployment models: 200 4000 Embedded Access Small campus 1. **UNIFIED**: The WLC is a hardware appliance 100 2000 Branch location Mobility Express Other in a central location of the network N/A N/A N/A N/A Autonomous (supports about 6000 Aps) 2. CLOUD-BASED: The WLC is a VM running on a server, usually in a private cloud in a data center (supports about 3000 Aps) 1. Unified WLC a. This is not the same as the cloud-based AP architecture discussed previously. The WLC is a hardware appliance deployed in a central location ** of the network. 3. EMBEDDED: The WLC is integrated within a · A unified WLC can support up to about 6000 APs. switch (supports about 200 Aps) If more than 6000 APs are needed, additional WLCs can be added to the network 4. MOBILITY EXPRESS: The WLC is integrated -* within an AP (supports about 100 Aps) 23 m (((†))) ((**'**p)) ((()) ((()) 2. Cloud-based WLC SSID: wlan10 SSID: wlan20 The WLC is a VM running on a server, typically in a ** private cloud in a data cente -Cloud-based WLCs can typically support up to about 3000 APs. If more than 3000 APs are needed, more WLC VMs can be deployed. * t3 E7 ((p)) ((())) ((())) (((•))) SSID: wlan10 SSID: wlan20 3. Embedded WLC The WLC is embedded within a switch. ** = An embedded WLC can support up to about 200 APs. If more than 200 APs are needed, more switches with embedded WLCs can be added. * ** 4. Cisco Mobility Express WLC

