ecCLOUD
Cloud Controller

OpenWiFi
TELECOM INFRA PROJECT
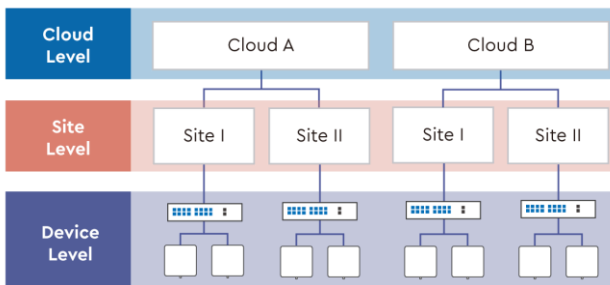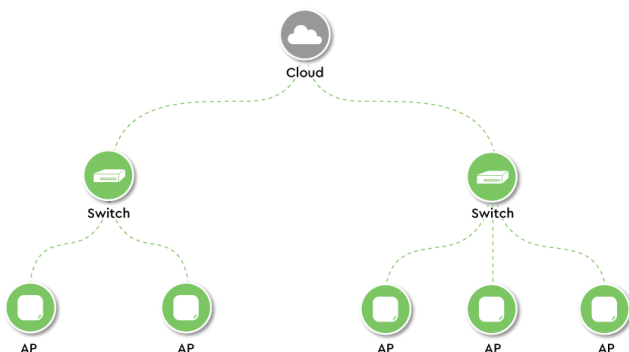
INTRODUCTION

Edgecore ecCLOUD provides unified visibility and control over wired and wireless devices, simplifying deployment, management and monitoring of your single-site or multi-site network. ecCLOUD provides feature rich, scalable, and ease of centralized management for networks of any size.

Multi-level Management

Network Topology

- **Powerful, Flexible Configuration**
  All configurations available through web GUI are available at the cloud. Simple and intuitive UI allows easy device adoption, group and individual configuration, informative alerts tab and flexible network maintenance.

- **Simple Device Registration**
  Plug in the device to the internet, add the device's serial number and MAC address to the cloud account, and the it is ready to go! The device will automatically provision itself.

- **Integrated Management**
  Integration of managed wired and wireless devices makes management and maintenance simple and quick. Save admin time and effort!

- **User Access Management**
  Provide authentication, authorization and accounting (AAA), security, guest access management and customized Captive Portal. With RADIUS server containing account information of all the network's users, ecCLOUD can support account roaming among APs under same sites.

FEATURES

MULTI-SITE & MULTI-CLOUD SUPPORT
- Multiple sites can be created within cloud account
- Each site has its own distinct set of configurations, users, maps, and other properties
- Cloud users' logins can be associated with any number of clouds, and can have different roles under each cloud

SECURE, ROBUST ARCHITECTURE
- Encrypted device-to-cloud communication
- Data is secure and always kept private
- Scalability - up to 500 sites per cloud, and 500 devices per site can be registered.

ADMINISTRATION PRIVILEGES
- Administrator/Owner Role: Full control of a cloud and its sites
- Manager: Full write access to specified sites
- Guest: Read-only access to specified sites

POWERFUL, FLEXIBLE CONFIGURATION
- Bulk (site-level) and individual (device-level) configuration options
- Fallback for upgrade reliability
- Two-way synchronization between local web GUI and cloud

DEVICE REGISTRATION & LICENSING
- Simple and intuitive registration
- All licenses are floating and are not tied to a specific device

REMOTE FIRMWARE UPGRADE
- Upgrade multiple devices at one time
- Schedulable firmware upgrades
- Rolling upgrade option ensures most parts of the network are online at any given time
- Dual flash increases firmware upgrade reliability

WIRED & WIRELESS DEVICE INTEGRATION
- Automatically synchronize VLAN settings
- Port security on managed switch port

BUILT-IN AAA SERVICE
- Built-in account database for authentication
- Time-and/or volume-based service plan for account creation
- Support both UAM and 802.1X (WPA-EAP, WPA2-EAP) authentication
- Authenticated users can roam between APs
- SSID-based customizable captive portal
- Built-in captive portal editor

Live statistics & interaction
- Live data on the device dashboard comes directly from the device over a near real-time connection
- View data straight from the device:
  - Throughput rate per interface
  - Power consumption
  - CPU utilization & memory usage
  - System temperature
  - Client counts
  - Uptime
  - Load
  - Channel utilization
- Interact directly with your device:
  - Reboot device with the click of a button
  - Blink LEDs for location finding purposes
  - Initiate a remote packet capture

HISTORICAL STATISTICS
- Throughput rates per interface
- Client counts per wireless interface (SSID) over time
- Channel utilization per wireless radio over time
- Current networking status and traffic details
- Client session information
- Historical data can be stored for two weeks or more depending on the license type

ALERTS & MONITORING
- Email alerts are generated when devices go offline or require your attention

AUDIT TRAIL
- All changes made to cloud are recorded in a system activity log

SUPPORTED DEVICES

WI-FI ACCESS POINTS
- EAP101[*1]
- EAP102[*1]
- ECW5211-L[*1]
- ECW5410-L[*1]
- OAP100*[*1]
- SP-W2-AC1200(L)[*1]
- SS-W2-AC2600
- SP-W2M-AC1200
- SP-W2M-AC1200-POE[*2]
- SS-N300[*2]
- GW-AC1200[*2]
- SP-AC750[*2]

METROLINQ 60GHZ
- ML1-60 PTP
- ML2.5-60 PTP
- ML2.5-60 PTMP
- ML2.5-60-BF[*2]
- ML-60-LW[*2]
- ML-60-10G-360[*2]

TERRAGRAPH CERTIFIED PRODUCT
- MLTG-360
- MLTG-CN

OPENWIFI 2.X DEVICES

SWITCHES
- ECS2100-10T
- ECS2100-10P
- ECS2100-28T
- ECS2100-28P
- ECS2100-28PP
- ECS2100-52T
- ECS4100-12T
- ECS4100-12PH
- ECS4100-28T
- ECS4100-28P
- ECS4100-52T
- ECS4100-52P
- ECS4120-28T
- ECS4120-52T
- ECS4120-28Fv2
- ECS4120-28Fv2-I

NOTES:
*1: Support Built-in AAA Service
*2: The IgniteNet EOS/EOL products continue to be managed by ecCLOUD.