

ecCLOUD

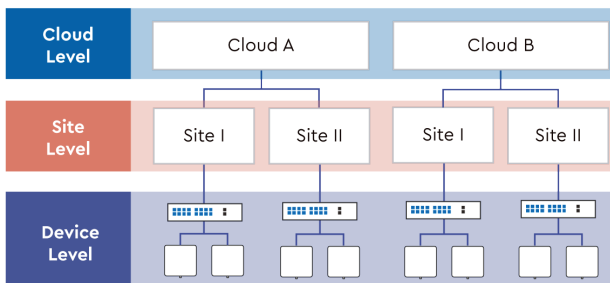
Cloud Controller



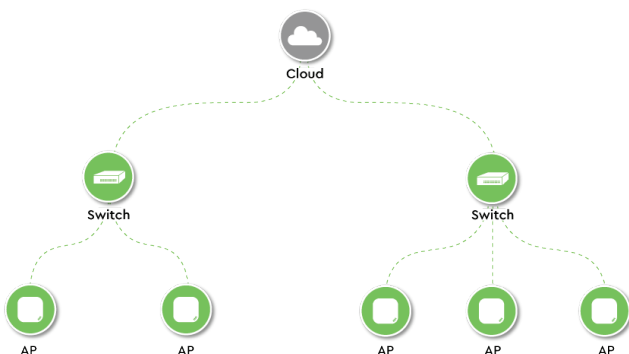
INTRODUCTION

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

Multi-level Management



Network Topology



- Powerful, Flexible Configuration**
 All configurations available in the web GUI are available through the cloud. A simple and intuitive UI allows easy device adoption, group and individual configuration, informative alerts tab, and flexible network maintenance.
- Simple Device Registration**
 Plug the device into the Internet, add the device's serial number and MAC address to the cloud account, and it is ready to go! The device will automatically provision itself.
- Integrated Management**
 The integration of managed wired and wireless devices makes management and maintenance simple and quick. Saves admin time and effort!
- User Access Management**
 Provides authentication, authorization and accounting (AAA), security, guest access management, and a customized Captive Portal. With a RADIUS server containing the account information of all the network's users, ecCLOUD can support account roaming among APs under the same site.

FEATURES

MULTI-SITE & MULTI-CLOUD SUPPORT

- Multiple sites can be created within one 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 in each cloud

SECURE, ROBUST ARCHITECTURE

- Encrypted device-to-cloud communication
- Data is secure and always kept private
- Scalability: Register up to 500 sites per cloud and 500 devices per site

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 not tied to specific devices

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 switches

BUILT-IN AAA SERVICE

- Built-in account database for authentication
- Time- and/or volume-based service plan for account creation
- Supports 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 the 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 count 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 the cloud are recorded in a system activity log

SUPPORTED DEVICES

WI-FI ACCESS POINTS

- EAP101*¹
- EAP102*¹
- EAP104*¹
- EAP104 Lite
- EAP111
- EAP111e
- ECW5211-L*¹
- ECW5410-L*¹
- OAP100*¹
- OAP100e
- OAP101
- SP-W2-AC1200(L)*¹
- SS-W2-AC2600
- SP-W2M-AC1200
- SP-W2M-AC1200-POE
- SS-N300
- GW-AC1200
- SP-AC750

METROLINQ 60GHZ

- ML1-60 PTP
- ML2.5-60 PTP
- ML2.5-60 PTMP
- ML2.5-60-BF
- ML-60-LW
- ML-60-10G-360

TERRAGRAPH CERTIFIED PRODUCT

- MLTG-360
- MLTG-CN
- MLTG-CN LR

SD-WAN GATEWAY

- SDW-102

SWITCHES

- ECS1100-5P
- ECS1100-10HP
- ECS1100-28HP
- 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
- ECS4125-10P
- ECS4150-28P
- ECS4150-28T
- ECS4150-54P
- ECS4150-54T

NOTES:

*1: Support Built-in AAA Service