CASE STUDY

MQloud® Platform Powers Chylyng's Seamless Integration of Smart Cooling Tower IoT Systems

The proliferation of the Internet of Things (IoT) systems has profoundly changed the way assets such as property, factories, equipment, and manpower is managed. IoT systems are composed of diverse devices customized to meet the specific needs of various industries and environments, while cloud computing facilitates the storage and access of data, applications, and services through the internet. Through cloud computing, IoT environments can overcome constraints such as limited computing power and storage capacity. Simultaneously, IoTs connect the cloud to physical devices, enabling real-time remote monitoring and control. This case study showcases how Chylyng as an IoT system developer utilizes the MQloud platform to manage multiple cloud accounts from different cloud service providers, thereby achieving more efficient use of cloud resources.

About Chylyng

Chylyng Co., Ltd. specializes in developing and deploying integrated IoT solutions and has established itself as a leading provider of AIoT services, with over 100 successful system integration projects. Leveraging this extensive experience, the company has evolved into a trusted service provider offering IoT data aggregation platforms and personnel and asset tracking systems, with a strong commitment to advancing its IoT serving offerings.

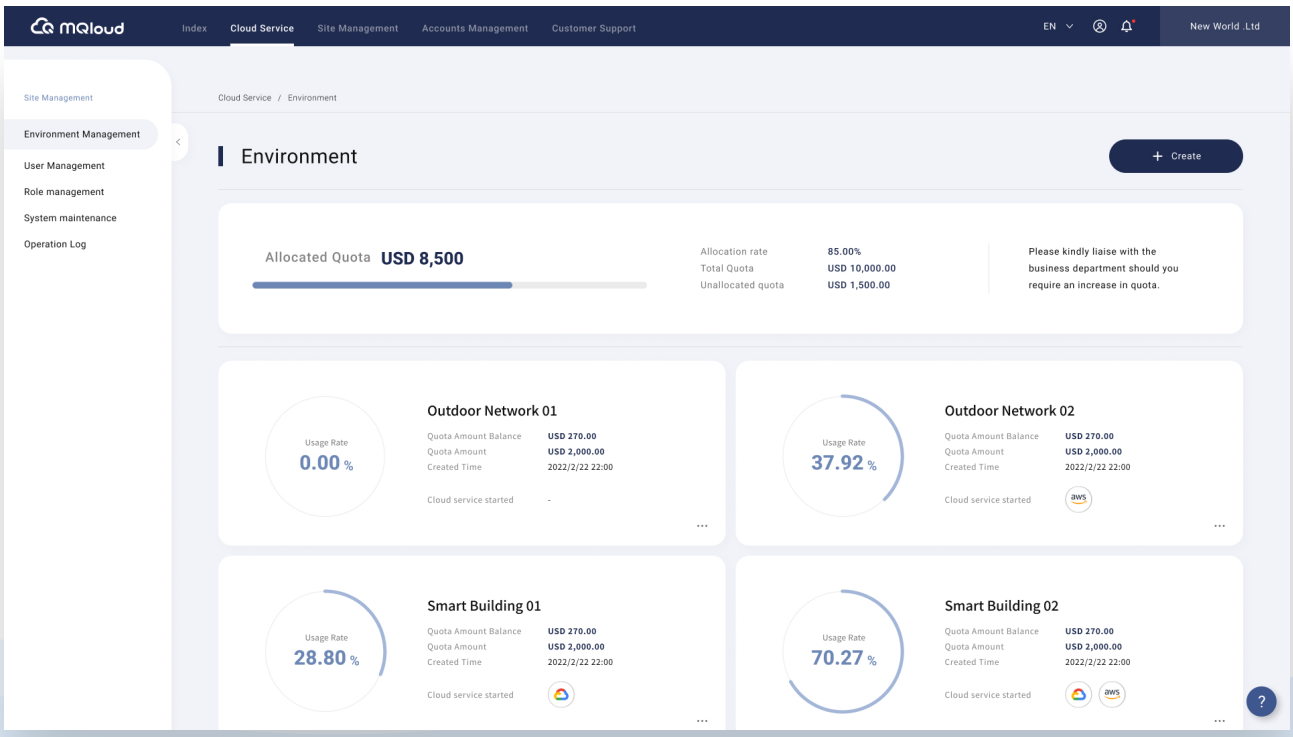
Challenge

As opposed to relying on a single cloud environment, IoT system developers are increasingly connecting their systems to specialized platforms provided by different cloud service providers. This approach not only enables effective management of IoT devices distributed across different geographic locations but also enhances system resilience and redundancy, meets diverse compliance and data sovereignty requirements, and allows for the establishment of hybrid cloud environments for security and privacy considerations. However, managing multiple cloud accounts often adds an extra layer of complexity.

Chylyng manages many AIoT projects for multiple clients that are spread across different cloud platforms and accounts. For example, the company is currently delivering AIoT cloud processing services for smart cooling towers deployed by Tairone Energy Saving Technology Co., Ltd., enabling them to efficiently manage cooling towers distributed across multiple locations. As Tairone expands its business with plans to deploy more smart cooling towers, Chylyng urgently needs a highly scalable and easy-to-manage multi-cloud resource management solution to address the growing AIoT management demands of Tairone and other clients.

Solution

The newly installed Tairone smart cooling towers are seamlessly managed by Chylyng's AIoT platform, integrated with the existing system of smart cooling towers. Leveraging MQloud's "Environment" technology, Chylyng efficiently manages the network resources of Tairone and other clients through the MQloud platform, enabling flexible resource allocation and performance optimization. This integrated solution allows Chylyng to enhance the operational efficiency of the smart cooling system, ensuring optimal performance and scalability across multiple cloud environments.



> "Using the MQloud platform to manage multi-cloud environments has greatly simplified how we handle, monitor, and allocate cloud resources. This increased flexibility allows us to scale and allocate resources as needed, meeting the growing demands of our AIoT devices and cloud computing data, all while keeping costs under control."

— Dr. Brouse Huang, General Manager, Chylyng Co., Ltd.

Outcomes and Benefits

Resource Integration

Manage cloud resources and accounts on a single platform, providing a granular view of resource allocation and consumption.

Flexibility and Multi-Environment Design

“Environment” technology allows flexible management and upgrades of different customer solutions on public clouds, supporting the creation of multiple independent environments.

High Security

Multi-cloud architecture offers enhanced data security by avoiding single points of failure, ensuring no data loss.

Compliance Management

Multi-cloud architecture meets various industry standards and regulatory requirements, ensuring data compliance.

Key Features of MQloud®

1

Multi-Environment Design

Create multiple independent environments to manage solutions for different clients separately.

2

Multi-Cloud Resource Integration

Manage multiple cloud resources through a single platform, simplifying account and permission control.

3

Billing Management

View the costs of different cloud environments and detailed service fees in one place.

4

Cost Control

Regardless of how many cloud service providers are used, users only need to pay the MQloud platform fee.

5

Simplified Operations

A unified interface reduces operational complexity, making it easy to deploy services.

6

Quota Limits

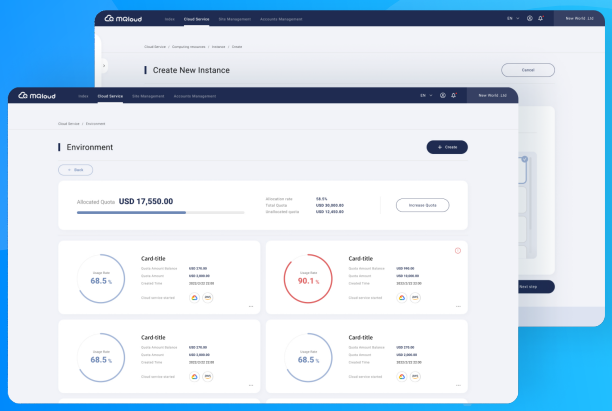
Set quotas for each environment. Once the limit is reached, no additional resources can be added, with alerts available for each environment.

MQloud's solution provides Chylyng with a robust suite of integration, security, and management tools, streamlining and enhancing the efficiency of its IoT asset monitoring solutions.

By simplifying the management of multiple cloud environments, the platform enables Chylyng to focus on leveraging the full potential of IoT and smart technologies, further driving innovation in remote asset and facility management. As Chylyng continues to expand and customize complex IoT systems for a wider range of applications, MQloud's unified platform makes it easier to manage an increasing number of cloud accounts, thereby streamlining operations.

About MQloud®

Developed by Innovenx, MQloud is a cloud management platform tailored for enterprise users, offering seamless integration of multiple cloud environments to simplify operations. With an intuitive and user-friendly interface, the platform boasts powerful features such as internal customer management, cross-cloud integration, and resource optimization. MQloud simply enables businesses to enhance operational efficiency and strengthen information security. By optimizing workflows, mitigating risks, and cutting costs, it allows teams to focus on innovation and increasing productivity.



For more details, please visit www.MQloud.io