

CU Coding makes nCloud Datahub future-ready to grow and innovate



Founded in 2018 by a team of distinguished scholars and serial entrepreneurs, the vision of CU Coding is to build a highly secure infrastructure supporting interoperability of all existing cloud-based datahubs. By leveraging Network Coding, a field of research that has been developed and researched at Chinese University of Hong Kong for 20 years, CU Coding created nCloud Datahub, a next-generation cloud DaaS (Data-as-a-Service) solution.

nCloud Datahub builds a robust foundation to free data movement securely and reliably for multicloud and core-to-edge environments. Its goals are to meet the needs of multinational corporations by architecting a reliable hyper-scale data storage platform with bank-grade security protection, ultimately supporting the growth and innovation of businesses of all sizes with an open, secure and intelligent infrastructure.



↑50%
Performance

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Ng Kwok Sing
Co-founder & CEO of CU Coding Limited

With NetApp E-series flash storage systems, CU Coding can enhance nCloud Datahub through the optimization of storage performance, and improvements in efficiency and reliability. These enhancements also lay a scalable foundation for the future diversification of its DaaS business.

Combining The Best of Both Worlds

As organizations continue their cloud migration to public, hybrid or distributed cloud platforms, a common challenge is the balance between data security and management efficiency. Riding on CU Coding’s core technology, Network Coding, nCloud Datahub is able to offer a vendor-neutral multicloud with bank-grade security data protection. The solid infrastructure enables customized, third-party integration based on the client’s needs. With a surging demand for complex storage services, NetApp was chosen as CU Coding’s storage solutions partner.

“We wanted to choose a secure and flexible solution to meet our customers’ needs,” said Aldous Ng, co-founder and CEO of CU Coding. “NetApp was named as the Primary Storage Leader in 2019 by Gartner. Being top ranked in the ‘Leaders quadrant’, NetApp demonstrates a proven track record of their storage solutions and we have great confidence they can successfully execute our projects.”

The nCloud Datahub was likewise mentioned by Gartner in its latest Hype Cycle for Infrastructure Strategies 2020 as a notable player in Intelligent Platforms and Infrastructure. The solution is acclaimed as a leading multicloud storage and backup platform.

High Availability with Stringent DR Functions

NetApp’s flash storage system delivers high-speed, continuous data access with a proven architecture that provides 99.9999% availability with the strictest backup and recovery windows. The new platform seamlessly preserves data integrity and accessibility with a significant depth of capabilities such as snapshot protection, asynchronous/synchronous mirroring, volume copy, automated failover and extensive diagnostics.

“The critical feature of secure cloud-based storage is 24x7 data backup and availability, especially in managing corporate documents,” commented Aldous. “With NetApp storage in place, we can mitigate unanticipated risks and prevent data loss across all clouds for our customers.”

Extreme Performance

To enhance business efficiency, a cloud platform should be fast and reliable in data retrieval, secure and convenient in storage and backup. NetApp E-series Flash Storage is designed to address the storage requirements of high-performance file systems and data-intensive bandwidth applications.

“Our customers need a content-driven application that supports a broad range of bandwidth-oriented items such as images, high-res documents, backups and recoveries,” continued Aldous. “The exceptional IOPS and microsecond response of NetApp flash storage help accelerate application performance by more than 50%.”

Simplified Management

NetApp's management tools are essential to CU Coding for business process simplification and efficiency improvements. The simple management tools in E-series storage enable administrative tasks to be scaled up in an efficient manner. The SANtricity System Manager GUI, an on-box, browser-based manager, allows CU Coding to streamline deployment, configuration and administration processes. With SANtricity in place, CU Coding's IT team can focus on business priorities with a higher return.

Capacity and Cost Savings

NetApp E-series Flash Storage is designed for capacity-intensive environments that require efficient data center space, power, and cooling utilization. It provides industry-leading performance and space efficiency to reduce rack space by up to 60%. Its high-efficiency power supplies can lower power and cooling use by up to 40%.

Supporting Future Businesses

NetApp Data Fabric architecture enables organizations to enjoy flexibility and control across storage environments for scalable, nondisruptive operations. By utilizing this tool, CU Coding is now able to realize the full potential of hybrid cloud and make efficient use of its business investments.

"This project is excellent for scaling up our business," concluded Aldous. "Riding on NetApp Data Fabric architecture and services, we are able to deliver consistency across multiple endpoints and cloud environments. We are planning deployment for more applications and expanding our user cases."

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About NetApp

In a world full of generalists, NetApp is a specialist. We're focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world's biggest public clouds. As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services and applications to the right people—anytime, anywhere. To learn more, visit www.netapp.com



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