元大證券（香港）
Yuanta Securities (Hong Kong)

YUANTA SECURITIES (HONG KONG) |

PROBLEM SOLVED

Yuanta Securities (Hong Kong) uses NetApp® AFF A300 to enhance their infrastructure for handling tremendous growth of daily trading volume and meet the needs of effective data management.

Improving Data Management, Customer Experience, and IT Productivity with All-Flash Storage System

With tremendous growth in the daily trading volume and transaction data since the launch of Shanghai-Hong Kong Stock Connect and Shenzhen-Hong Kong Stock Connect, Yuanta Securities (Hong Kong) Company Limited (YSHK) enhances its IT infrastructure once again with NetApp All-Flash Storage System to improve performance and support speedier transactions.

HK$20 million
of savings

reduced required capacity by 50%

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> "NetApp was chosen again because it is a leading IT player that can support our long-term strategy to build a consistent data management model for a heterogeneous IT environment and the creation of a private cloud."

Bro Huang
Head of IT for Yuanta Securities (Hong Kong) Company Limited

YSHK is a wholly owned subsidiary of Yuanta Financial Holdings Co. Ltd. One of the largest Taiwan-funded brokerage firms in Hong Kong, YSHK is committed to providing comprehensive and superior services in corporate finance, asset management and brokerage services to global and local institutional clients, corporate clients and individual investors. The company makes continual efforts to enhance its existing trading platforms and introduce new financial products and trading systems.

A NETAPP USER SINCE 2014: NUMEROUS GAINS THROUGH THE DEPLOYMENT

Back in 2014, YSHK deployed a FlexPod solution including a FAS8020 hybrid storage array with 2TB NetApp Flash Cache™ and a unified communications system to replace its legacy and complex architecture with a simplified, efficient, and cost-effective one. This all-flash architecture allows the IT team of YSHK to spend more time on initiatives related to business development and allows YSHK to become a leading player in Hong Kong's securities trading sector.

EFFECTIVE DATA MANAGEMENT NEEDED AS TRADING VOLUME GROWS

As the Shanghai-Hong Kong Stock Connect and Shenzhen-Hong Kong Stock Connect have been introduced, YSHK anticipates tremendous growth in the daily trading volume and the need for more effective data management.

According to Bro Huang, head of IT at YSHK, the company was among the first batch of brokerage firms to launch the Shanghai-Hong Kong Stock Connect.

"The growing trading volume means that we have a much larger amount of data coming from Hong Kong, Shanghai and Shenzhen to handle and analyze," he pointed out. "To meet this new challenge, we need to seek a solution to increase both storage capacity and I/O performance."

WHY NETAPP AGAIN

YSHK evaluated solutions from several suppliers before opting for FlexPod, the AFF A300 storage array, NetApp SnapMirror® technology, and NetApp SnapVault®, Huang said.

BUSINESS BENEFITS

- HK$20 million of savings
- Improved application performance
- Power savings of 35%
- Reduced required capacity by 50% due to deduplication
- A lower total cost of ownership
- Reduced paper usage through streamlined workflow
- A shorter business system deployment time of several weeks instead of several months
- Transactions that are three times faster
- Minimized downtime
- No single point of failure with system redundancy
- Physical space savings of 66.7%

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YSHK will use NetApp VSC (Virtual Storage Console) to perform VM backup from the AFF A300 storage array to FAS8020 while SnapVault and SnapMirror will be enabled between FAS8020 storage arrays at two sites for effective backup. In addition, site failover will be enabled by integration between the AFF SnapMirror and VMware SRM.

"NetApp was chosen again because it is a leading IT player that can support our long-term strategy to build a consistent data management model for a heterogeneous IT environment and the creation of a private cloud," he noted.

In addition, NetApp's solutions are highly flexible, allowing the Company to add new tools and systems easily when needed, Huang pointed out.

"NetApp's full range of technologies including SnapMirror and SnapVault, its already-certified systems that save our time in

evaluation, as well as its superior services, support, and best practices inspire confidence," he added.

YSHK CHOOSES NETAPP AFF SERIES

FlexPod combines servers, storage resources, and the data fabric to create an agile, efficient, and scalable platform for hosting applications certified by NetApp and other FlexPod solution suppliers. Through its all-flash technology, NetApp offers users FlexPod advantages including application performance that drives business outcomes, agility that allows businesses to anticipate and respond to demands and deploy new services quickly, and capital expenditure (capex) and operational expenditure (opex) reduction as flash memory approaches disk pricing.

In addition, integrated and standardized FlexPod components allow users to scale up or out to meet the demands of enterprise applications, and a broad set of FlexPod validated designs speeds

up deployment of both infrastructure and applications.

AFF A300 models provide up to twice the performance at about half the latency of their predecessor models. The flash-optimized storage arrays are highly scalable, are among the industry's fastest unified all-flash systems, and offer simpler setup and serviceability.

The SnapVault backup solution is part of the NetApp integrated data protection approach for creating a flexible and efficient shared IT infrastructure. It helps tame data growth, simplify the adoption of virtualization and streamline the management of up to petabytes of data.

NetApp SnapMirror protects businesses with unified data replication. It transports data seamlessly and efficiently between NetApp storage systems to support both backup and disaster recovery with the same target volume and I/O stream.

EASY INTEGRATION, IMPROVED PRODUCTIVITY AND RELIABILITY

YSHK expects the enhanced infrastructure—which the firm anticipates to go live after the one- month implementation period—to create unparalleled customer experience as trading becomes speedier, and to further improve IT productivity.

"After our last FlexPod deployment, we need to dedicate only two IT team members to infrastructure management. We believe the newly added solution will bring us more productivity gains."

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Head of IT for Yuanta Securities (Hong Kong) Company Limited

n NetApp®

"After our last FlexPod deployment, we need to dedicate only two IT team members to infrastructure management. We believe the newly added solution will bring us more productivity gains," Huang noted. "All these are achievable because the all-flash architecture enhances performance and NetApp's unified storage centralizes all existing SAN and NAS workloads to bring about simplified infrastructure management and time savings."

In addition, YSHK develops its own systems and will integrate them with the all-flash solution. Huang expects integration to be easy. "Our previous experience with FlexPod and NetApp's services and support would make it a smooth process," he said.

THE RIGHT CHOICE FOR FINANCIAL SERVICES FIRMS

Outside Hong Kong, YSHK has also deployed FlexPod Express—which allows easy scaling up and out—in its Indonesia office to protect the firm's investment.

"From our experience with NetApp solutions, I believe they work particularly well for financial services companies. SnapMirror in particular enables effective backup between sites and site failover, which are of paramount importance to YSHK as a financial service firm." Huang remarked. "Since 2014, FlexPod has become one of the YSHK's standards. I recommend FlexPod solutions to players in the sector."

SOLUTION COMPONENTS

NETAPP PRODUCTS

FlexPod®

NetApp® AFF A300 storage array

NetApp SnapMirror® technology

NetApp SnapVault®

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LEARN MORE

http://www.netapp.com/us/products/storage-systems/all-flash-array/index.aspx

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Leading organizations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future. To learn more, visit **www.netapp.com**.