SOUTH KOREAN SERVICES PROVIDER ENHANCES CDN WITH ZADARA EDGE CLOUD

GS Neotek leverages Zadara multi-cloud compatibility and redundancy to keep pace with its booming CDN business

GS Neotek is one of the largest content delivery network (CDN) providers in South Korea. Its cutting-edge cloud services include a caching platform that enables customers to deliver rich media including e-learning, media broadcasting, shopping and gaming, reliably and efficiently at scale. GS Neotek serves the largest domestic traffic transmission volume and some of the largest media customers in Korea. As well as providing CDN services, GS Neotek supports customers' business growth with consultancy and additional cloud and IT services.

By migrating its CDN origin storage from its own data center to Zadara zStorage, GS Neotek gained agility to meet its rapidly changing service requirements, while benefiting from new cost efficiencies and improved service reliability.

GROWTH AND MIGRATION CHALLENGES

A CDN is a network of servers that is geographically distributed relative to where end-users are located, so that all end-users can access content with high performance and high availability.

GS Neotek was using NAS-based, on-premises storage to power its CDN service. As the company grew, the number of customers using the CDN service increased significantly, creating a need for bigger storage capacity and faster storage performance.

HIGHLIGHTS

- Quickly and flexibly meet large-capacity and high-performance storage needs with Zadara object storage

- Improve service reliability with multi-zone high availability

- Minimize up-front infrastructure costs and improve cost efficiency

GS Neotek needed to meet these new needs rapidly, but traditional storage purchased through capital expenditure had proven difficult to change and expand in a short period of time. GS Neotek decided to switch to cloud-based storage.

Many of the company's CDN customers are highly sensitive to service disruption, and this raised an additional challenge for the migration to cloud. GS Neotek needed a cloud storage partner that could maintain service reliability and storage availability during the migration. The company sought an active-active redundancy configuration between two data centers, where data is written to both storage resources synchronously and accessible at any time.
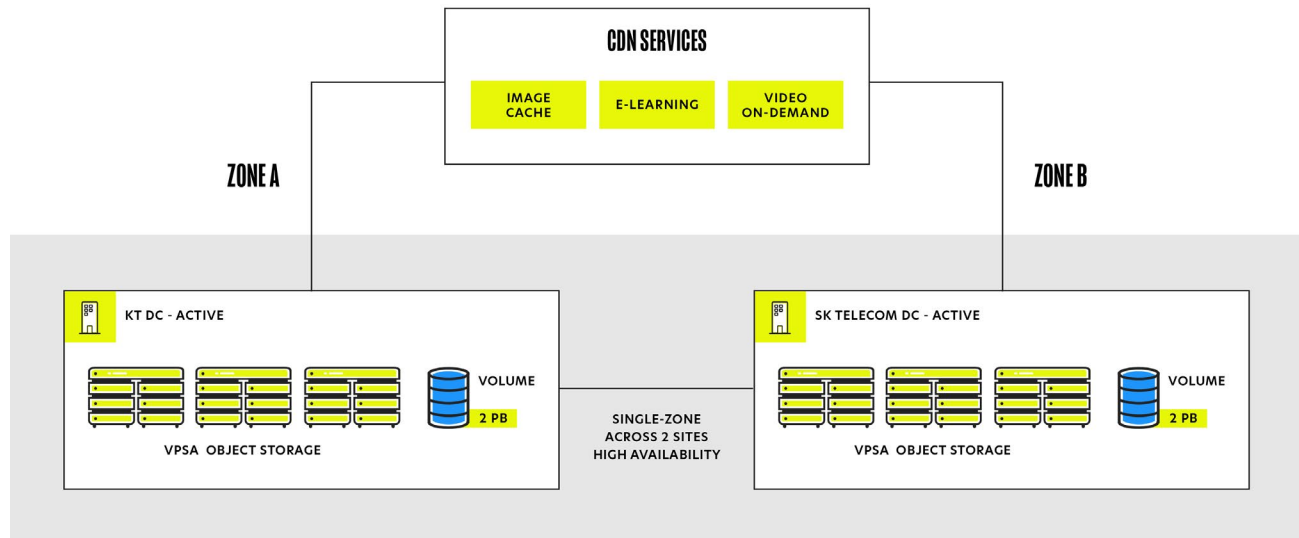
THE zSTORAGE SOLUTION

GS Neotek selected Zadara as its cloud storage partner following a proof-of-concept and technology verification process. Zadara zStorage object storage proved ideal for the company's large-capacity content storage requirements thanks to features including:

- High Availability (HA) – Zadara delivered active-active redundancy between two data centers.

- Capability to link with multiple public clouds – Enabling GS Neotek to integrate services from other cloud providers where required.

- Fully elastic scale – GS Neotek started with an initial usable capacity of 500TB and can rapidly scale up or down with a simple change order, paying only for the services consumed.

A MORE RELIABLE AND EFFICIENT CDN

With Zadara zStorage object storage, GS Neotek gained the agility and flexibility to meet its fast-changing requirements for large-capacity, high-performance service. zStorage provides virtually infinite scalability, as well as flexibility to upgrade or downgrade storage controller and drive specifications as needed.

The company's CDN is more reliable and competitive than before with Zadara zStorage. Single-zone across two different sites HA provided by Zadara zStorage protects customers against disruption, with redundancy that ensures content is always delivered smoothly, even in the event of a hardware failure or data center disaster.

GS Neotek has also achieved new storage efficiencies. Zadara Edge Cloud Services provide fully-managed services and a 100% OpEx-based pricing system that is billed according to usage. This as-a-service model allowed GS Neotek to minimize its initial capital investment in infrastructure. Costs spent on managing and maintaining storage hardware were reduced. And zStorage has a cost advantage over some large public cloud platforms, in that there is no charge for data transfer or network traffic.

READY FOR FUTURE GROWTH

As media and content industries continue to grow, GS Neotek is anticipating further growth in demand for its CDN services. The company plans to expand its zStorage object storage capacity to meet growing needs. GS Neotek is also considering a partnership with Zadara to provide zStorage services to its own customers, who could benefit from the flexibility and competitive pricing of zStorage.

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Contact us at:

www.zadara.com

info@zadara.com