

Uninterrupted Operations of mobile payment system

Case of building hybrid cloud by mixing private cloud
and multiple public clouds

Challenge

Mobile payment system is being widely used by global customers today because it uses Magnetic Secure Transmission (MST) technology of credit cards rather than Near Field Communication (NFC).

Since mobile payment service is a financial transaction using credit card information, it needs uninterrupted operations as well as highly secured system as of a financial company, dedicated IT infrastructure and duplication of all system components.

With an increase of customers, this global mobile payment service provider needed a more reliable system that does not shut down when the traffic surges during the holidays, sales or unexpected emergencies such as natural disasters or fires.

The company was trying to find a new cloud architecture with duplicated structure to provide zero-downtime services and highly secured system to protect important data.



SDS Cloud Service

SDS Hybrid Cloud Platform

Samsung SDS offers Hybrid Cloud service to the customers by integrating the SDS Cloud, a private cloud optimized for enterprises, and multiple public clouds provided by Global CSPs. Hybrid Cloud Platform is also provided to develop, operate and manage all the clouds.

- Integrated governance of hybrid cloud: Cloud in One
- Automated migration between different clouds: MMP (Multi-cloud Migration Platform)
- Integrated monitoring of hybrid cloud: IMP (Intelligent Monitoring Platform)
- Automated deployment from infrastructure to applications: SRE (Site Reliable Engineering)

※ Global CSPs: AWS, MS Azure, Oracle Cloud Infrastructure, Google Cloud Platform, Tencent Cloud, Alibaba Cloud, etc.

Solution

Load balancing between global data centers with active-active technology

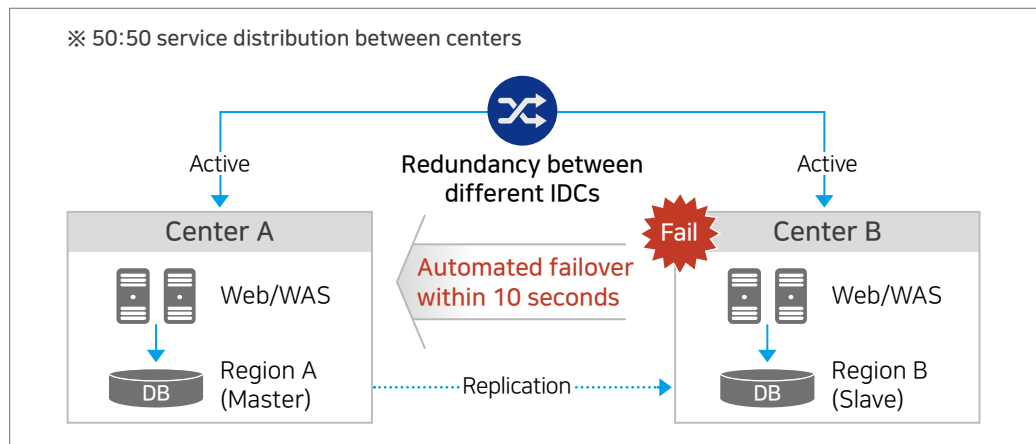
- Operate reliably through traffic distribution across the different clouds in case of unexpected failure
- Proceed regular maintenance and new application deployment by one single data center without service interruption

High-security level as of a financial company

- Allow private cloud based payment service environment and implement various security systems such as IPS, firewall, web firewall, web shell, etc.
- Provide 24X7 security system by applying Samsung SDS security control
- Provide Disaster Recovery (DR) system qualifies Near Zero requirement by the Financial Supervisory Service

Hybrid cloud architecture, mixing private cloud and multiple public clouds

- Operate without failure through integrated monitoring of all the infrastructure and applications
- Reduce time and cost through automated migration between different cloud vendors



Benefit



Uninterrupted service

Automated failover within 10 seconds



Quick support

Dedicated SDS support team



High-level security

24X7 security control

FOR MORE INFORMATION

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