SAMSUNG SDS
Enterprise Cloud for Mission Critical
(MC-Cloud)

Cloud migration concerns among enterprises

By using cloud service, companies can expand IT resources flexibly while maintaining their business continuity and use the amount of resources they actually need. That's why today, a growing number of companies decide to migrate their workloads to the cloud.

However, as for migrating mission-critical workloads, companies are still concerned. Due to security concerns of public cloud and cost burden of using private cloud, companies are hesitant to move their critical workloads to the cloud.

Stop worrying about moving to the cloud

Samsung SDS's MC-Cloud is here to help you with cloud migration.

Private cloud service ideal for the enterprise mission-critical workloads

Samsung SDS's MC-Cloud is an IaaS service that combines cloud infrastructure architectures recognized in North America and Europe and Samsung SDS cloud operation know-how.

Based on the best cloud migration strategies and operation experience, Samsung SDS provides reliable private cloud service.

Samsung SDS Infrastructure operation & Data center

Samsung SDS has 30-year-experience of operating Samsung affiliates' IT system and TIER3+ data centers across the world. It has 12 data centers, 4 in Korea and 8 in other countries.

virtustream

Samsung SDS MC-Cloud

DELL EMC VXBLOCK

Highly reliable architecture

MC-Cloud uses Virtustream's cloud architecture, the most secure and reliable enterprise cloud infrastructure.

· Virtustream provides the cloud service to the U.S. government, military and government organizations.

High performance infrastructure

MC-Cloud uses Dell EMC's VxBlock, the best choice for enterprise cloud.

· 1,200 enterprise customers are using VxBlock worldwide

MC-Cloud Benefits

Superior reliability & excellent performance

MC-Cloud supports mission-critical workloads such as ERP that require high reliability and performance and guarantees the industry's highest availability of 99.999% SLA* in the cloud environment.

Samsung SDS MC-Cloud

SLA
99.999%
=
Downtime
5.25min/year

Public Cloud

SLA
99.95%
=
Downtime
262.8min/year

*SLA : Service Level Agreement

Strong security and compliance

MC-Cloud provides the best choice for automated security and compliance monitoring.

Enhanced Security Architecture

· Security architecture implemented in North America/Europe

· Firewall and physical separation of zones improve security

· Different levels of security monitoring for items such as infrastructure and applications
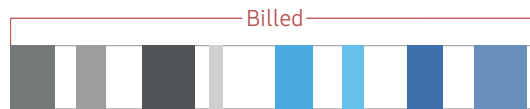
Compliance Risk Management

· Automated compliance monitoring and anomaly notifications

· More than 15 compliance frameworks provided such as ISO 27000, and PCI 3.0

· Continuous risk analysis and real-time failure response based on priorities

Consumption-based billing

Measured by a fine-grained unit of μVM, your actual consumption of resources is the basis for your billing.
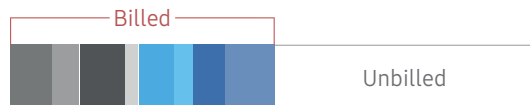
Other cloud services
(VM-based billing)

Billed

· Billing = Actual consumption + Unused amount

Samsung SDS MC-Cloud
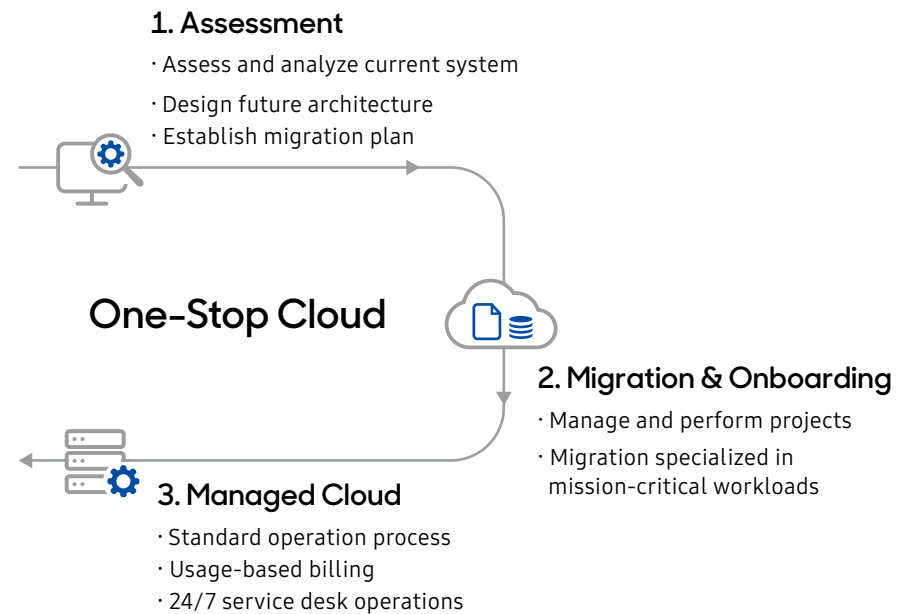(μVM-based billing)

Billed | Unbilled

· Billing = Actual consumption

*μVM : CPU 200 Mhz, Memory 768 MB

Customized cloud design

MC-Cloud is an all-in-one service, providing assessment, migration and operation. You can manage your cloud in a comprehensive manner through Cloud Portal.

1. Assessment
· Assess and analyze current system
· Design future architecture
· Establish migration plan

One-Stop Cloud

2. Migration & Onboarding
· Manage and perform projects
· Migration specialized in
  mission-critical workloads

3. Managed Cloud
· Standard operation process
· Usage-based billing
· 24/7 service desk operations

Implement Samsung SDS's MC-Cloud for your mission-critical workloads to experience high performance and reliability

Business continuity

What separates MC-Cloud from other cloud services is its 99.999% availability, which allows you to migrate mission-critical applications to the cloud without any concern.

In case of a failure, business interruption can be minimized through the best storage replication strategies and DR service.

Cost savings

MC-Cloud uses a smaller measure unit, µVM, and tracks resources you actually consumed.

You are charged by the unit of µ VM for your actual resource usage, so MC-Cloud offers you significant cost savings.

Strong security

MC-Cloud has strong security system that was implemented in government agencies, financial and healthcare companies in North America and Europe.

Also, MC-Cloud constantly monitors compliance risks, so you don't have to worry about compliance issues when using MC-Cloud.

Case Studies of Virtustream Enterprise Cloud

Saved time and cost for installation

A US company A migrated SAP system of its seven offices in four continents to Virtustream cloud. The company successfully installed more than 700 VMs within 6 months.

· Estimated IT cost savings worth $50M for 3 years
· 24TB moved to HANA database

Reduced time for failure recovery and work-load processing

A US company B finished migrating 60 SAP instances in just 80 days. With addition of DR, RTO1 reduced from 24 hours to 1 hour and application deployment period was shortened from weeks to hours.

· TCO saved 40% in 3 years
· Application performance doubled

*RTO : Recovery Time Objective

SAMSUNG SDS

Realize your vision