



Build Next Gen Enterprise Software Applications on Cloud

SAP S/4HANA on Alibaba Cloud

SAP made announcement that the SAP ERP Central Component (ECC) systems – which was firstly introduced in 2004 - would no longer be supported beyond 2025. All existing SAP ECC customers have to migrate their systems to the next generation business suite - SAP Business Suite 4 SAP HANA (hereafter SAP S/4HANA) before the deadline. There are a few options to fulfil the migration , and they are:



On-premise



Public Cloud



**SAP HANA
Enterprise Cloud**

Why Alibaba Cloud

Alibaba Cloud provides on-demand infrastructure with high availability that supports Bring Your Own License (BYOL) model for SAP HANA. In Indonesia, Alibaba Cloud is the best service provider for companies to run the SAP-powered OLTP and OLAP enterprise workloads on public cloud.

- Full-fledged cloud service provider with local data centers in Indonesia
- Certified SAP HANA high-performance compute instances
- Dedicated local technical capabilities for running SAP workloads on Cloud

Alibaba Cloud Competitive Advantage in Indonesia

• Low TCO

- 5 year TCO 10-15% lower than On-prem
- Competitive pricing on network connections

• High Availability

- Multi-AZ Infra to support high availability and disaster recovery
- High data availability with 3 copies of all data stored in the same DC

• Eco System

- Strong partnership with SAP Gold partners in Indonesia
- Fast response time and service provision

• Certification/Solutions

- NetWeaver
- HANA
- MaxDB / MSSQL / ASE / DB2
- Business One
- Hybrid Backup Recovery

• Performance

- Two local data centers with latest network technology
- ESSD Cloud Disk with max. 1,000,000 IOPs
- Enhanced compute performance powered by 2nd generation Intel Cascade Lake CPU

• Security

- Various approaches for network connection such as IPsec VPN and lease line
- Built-in security functions such as firewall and anti-DDoS

Scenarios of Running SAP Applications on Alibaba Cloud



New Deployment

- New business requirement
- New SAP product



Migration to Cloud

- Huge historical data volume
- HW is end of life
- Lengthy and costly HW procurement
- Upgrade to SAP S/4 HANA



Non-production to Cloud

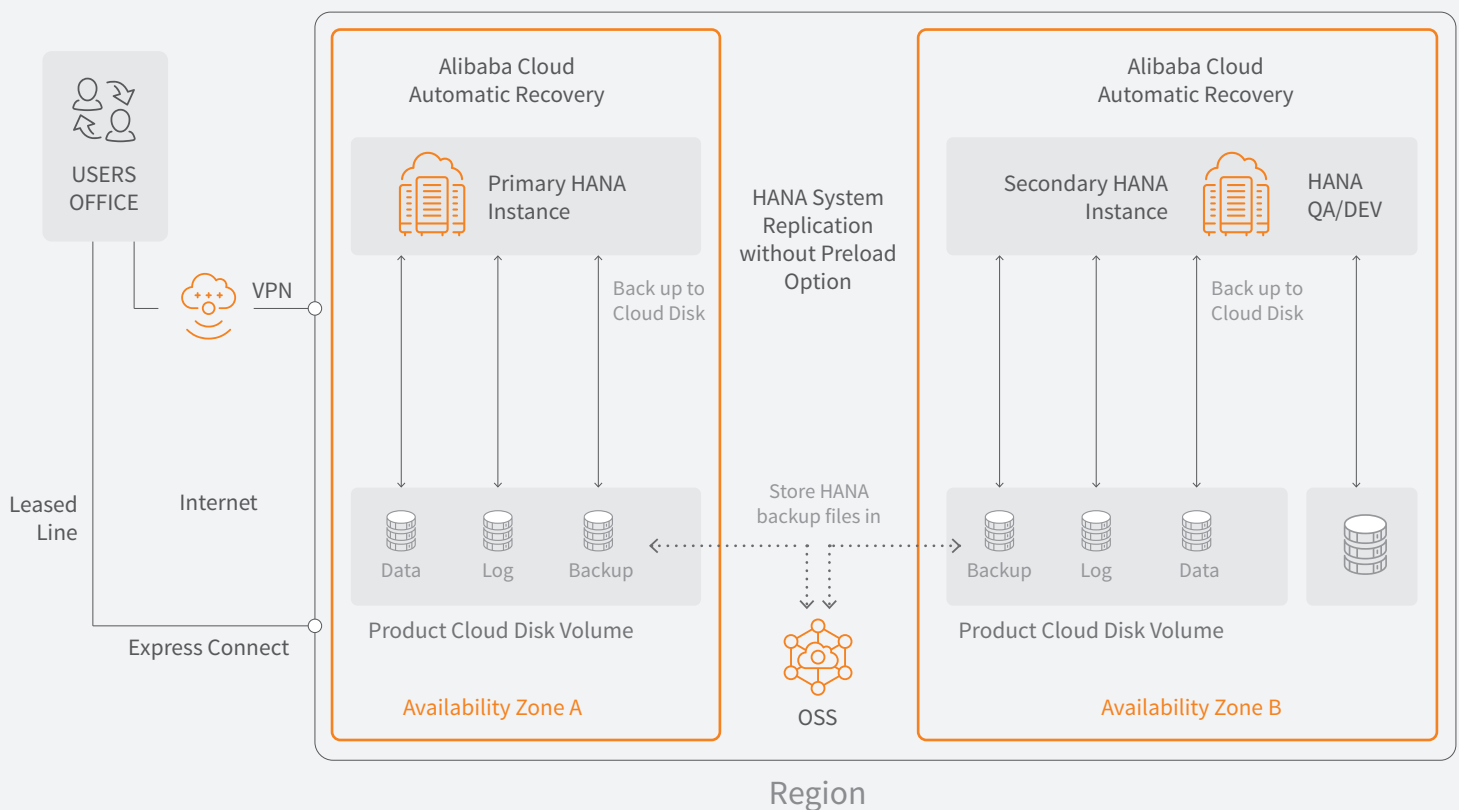
- Target at existing system
- Hybrid cloud architecture



Disaster Recovery on Cloud

- A must-have function by most SAP users
- Lower TCO
- Prepare for production migration

SAP HANA on Alibaba Cloud Architecture Diagram



Alibaba Cloud migration tool:
P2V / V2V

SAP migration tools:
SWPM / DMO

Partner migration tools:
e.g Crystal Bridge

Globally interconnected network guarantees end-end data transfer



Customer Story



PT. BINA SARANA SUKSES is a large service provider in the mining industry in Indonesia engaged contractor lease services for mining and hauling coal companies. The company was established in 2005 with more than 2000 employees

Industry:
Mining

Country:
Indonesia

Business Requirements/ Operational Pain Points

As a fast-growing contractors of mining and hauling in Indonesia, BSS's mission is not only to becoming a high-performing mining contractors but also to be a leading innovator in the space through technology.

Measuring business performance and capital expenditure became a top priority—and challenge—for the finance division, particularly given the variable cost of equipment procurement, maintenance, and repair.

Deploy ERP application to Enhance Operation Efficiency

Coupled with the business growth and digital transformation wave, BSS has shifted focus from manual processes and point solutions to a single source of truth across the organization in recent years. Enterprise resource planning (ERP) is one of the key projects for IT team in 2018, which enables transformation from information silos to tightly integrated processes. SAP is the primary choice, largely due in part to its customers – mining companies - overwhelmingly prefer SAP for back-office automation and front office agility.

Host S/4HANA on Alibaba Cloud

BSS adopted a cloud-first strategy for new systems such as ERP on SAP S/4HANA. After considering solutions from leading cloud providers, the organization decided Alibaba Cloud offered the best solution stated below.

- Certified [Elastic Compute Service \(ECS\)](#) R5 instances, which is designed for running high-performance databases and in-memory workloads like SAP HANA
- [Cloud Storage Services \(OSS\)](#) with built-in triplicate technology (3 data copies)
- The secured and reliable encrypted connection ([express connect](#)) from customer's site to Alibaba Cloud via VPN Gateway

Achieve Robust Business Benefits

Removes the hassles of hardware maintenance and upgrade

Proven cost-saving with five-years TCO on Opex Model

Reduces the ramp-up time for new users with low network latency

Enhances the user experience with a stable and secured connection

For More Information

To learn more about the Alibaba Cloud solutions featured in this case study, scan the QR code below and visit the following websites:



**Alibaba Cloud
for SAP**



**Alibaba Cloud
Elastic Compute
Service**



**Alibaba Cloud
Hybrid Backup
Recovery**



**Alibaba Cloud
Express Connect**

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