



## SAP On AWS Cloud

Most Trusted Partner For Your Digital Transformation

### Industry/ Customer Highlights



Industry: Public Sector Agency  
Products and Services: AWS Cloud Deployment  
Type of Customer: Large Enterprise

### Existing Environment



The agency used to have on-premise virtual servers with a Linux Red Hat operating system that utilized an Oracle database. SAP Portal is used to provide Employee Self Service (ESS) to about 18,000 employees and LSO services to approximately 1,700 employees.

### Project Timeline



5 months

### Business Challenges



- Reduce Capital expenditure while modernizing aging Infrastructure.
- Migrate the existing on-prem workloads to AWS Cloud to take advantage of a highly available, scalable & secure environment that can also cater to future business growth.
- Lower the maintenance costs of SAP applications.

### Business Objectives



- Migrate SAP landscape from the on-premises data center to Public Cloud (AWS).
- Data Protection on cloud
- Migrate database from Oracle to HANA – SAP's In-Memory Database.
- Unicode Conversion for multiple language support and HANA database compatibility
- Migrate to HANA compatible Redhat Linux Operating System

## Cloud Migration : The V3iT Difference

### Implementation Highlights

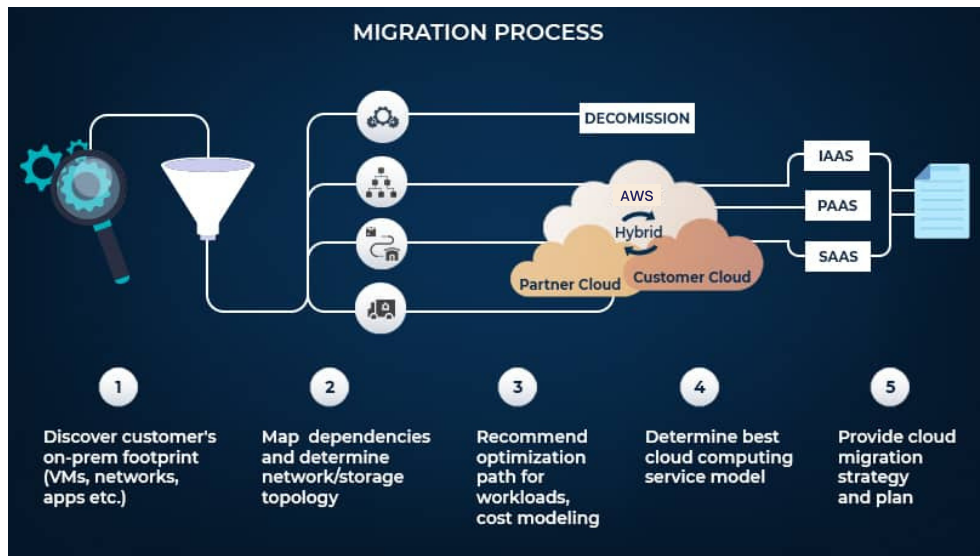


- Architected AWS Infrastructure following recommended AWS best practices.
- Sizing of HANA and application servers based on standard SAP recommended tools. A three-system landscape was designed based on AWS specific infrastructure components for computing, storage, and network.
- A proof of concept was done with production data and validated before moving the productive systems.
- A parallel change management strategy for development lifecycles was adopted
- Auxiliary systems and interfaces to critical external business entities were considered and built right from the outset.
- AWS storage components, which were highly available as well as cost-effective, were used for data protection strategy such as backups on warm and cold storage(archiving)
- The disaster recovery strategy was designed utilizing the highly available geo-distributed AWS infrastructure and proven SAP technologies of system replication
- The final cut-over was over a weekend to accommodate the downtime policy guidelines of the customer organization
- AWS Direct Connect network was set-up to provide a fast, reliable and secure mode of connection between the customer network and AWS cloud



## Why Cloud?

Migrating your existing systems onto the cloud will not only help you eliminate the costly hardware, servers but also provide best security with pay-as-you-go pricing. It provides on demand delivery of IT resources without the need of owning and maintaining physical data centres and servers, hence reducing costs. It solves the need to keep the analytical and transactional databases separate from each other.



### ✔ Technologies Used

Amazon Elastic Compute Cloud (Amazon EC2), Simple Storage Service (Amazon S3), Amazon Elastic File System (EFS), Amazon Elastic Block Store (EBS), HANA HSR (HANA System Replication), AWS Direct Connect

### ✔ Customer Benefits

- It set the customer on a roadmap to take advantage of SAP innovations.
- Cost optimization of Infrastructure, maintenance and operations costs.
- Highly available, scalable, and secure SAP workloads on AWS Cloud

### ✔ Value Proposition

- The client validated the design document, deliverables and provided sign off.
- Migration project completed well within the committed deadlines
- The client carried out validation and confirmed that their success criteria were fully met.
- Periodic cost optimization recommendations

## About V3iT

V3iT Consulting Inc. is one of the few organizations who support all the three major public clouds that includes Azure, GCP, and AWS. We also host systems for various public sector customers at our own data centre. We have been of service to Fortune 50 and its subsidiaries, where we migrated their SAP instances to HANA and other databases in private cloud, Azure, AWS, GCP environments as well as Hybrid Cloud. We provide harmony between the three cloud technologies and your end users will have seamless experience. We also provide a disaster recovery plan to provide your critical business applications. Our reference architectures expedite the cloud migration.

**Market Differentiators:** V3iT is the only Cloud partner providing FIXED COST implementation, migrations, and support services to Cloud customers and has been instrumental in successfully demonstrating this for the past 15 years. We are the one of the few organizations that partner with all three cloud services provider AWS, Azure, GCP.

Over 90% of businesses are already using cloud technology in a public, private or hybrid cloud environment. In 2021 your business can also reach global heights with our Cloud services.

