![LTIMindtree logo]

Migrating SAP S/4 HANA to AWS, Accelerating Cloud Transformation for USV in 3 Weeks

Client

Our client, USV, is a leading healthcare company. Their product offering includes Active Pharmaceutical Ingredients (APIs), Fixed Dosages Formulations (FDF), Peptides, Biosimilars, and Injectables. These are manufactured in their cGMP-compliant plants located in India. USV markets its products globally to more than 65 countries. USV FMCG business has global partnerships with brands like Sebamed.

Business Challenges

The client wanted to leverage the power of cloud to accelerate its digital transformation and migrating S/4 HANA to AWS was the first step towards giving their business the agility and flexibility they needed for this digital transformation. The client wanted an AWS Partner who specializes in the SAP Transformation and Migration Services on AWS to help migrate its non-productive S/4HANA environments.The company sought to improve the flexibility, scalability, and improved performance, while lowering the overall infrastructure cost. LTIMindtree along with AWS, stepped in to help them achieve SAP cloud transformation. There were many challenges involved such as stringent timelines - to move the S/4HANA workloads with three environments in a very short time. The workloads needed to be migrated to AWS during non-business hours, and to be made available for the users before the start of the business hours the next day, which included a version upgrade of operating system and HANA-silent installations.

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> *The LTIMindtree SAP Cloud team hit top gear on day 1 and knew exactly what was needed to be done and met all deadlines with ease. The LAMPS automation used by LTIMindtree coupled with AWS services provided us a faster time to go-live and near zero migration issues. AWS India team supported actively.*
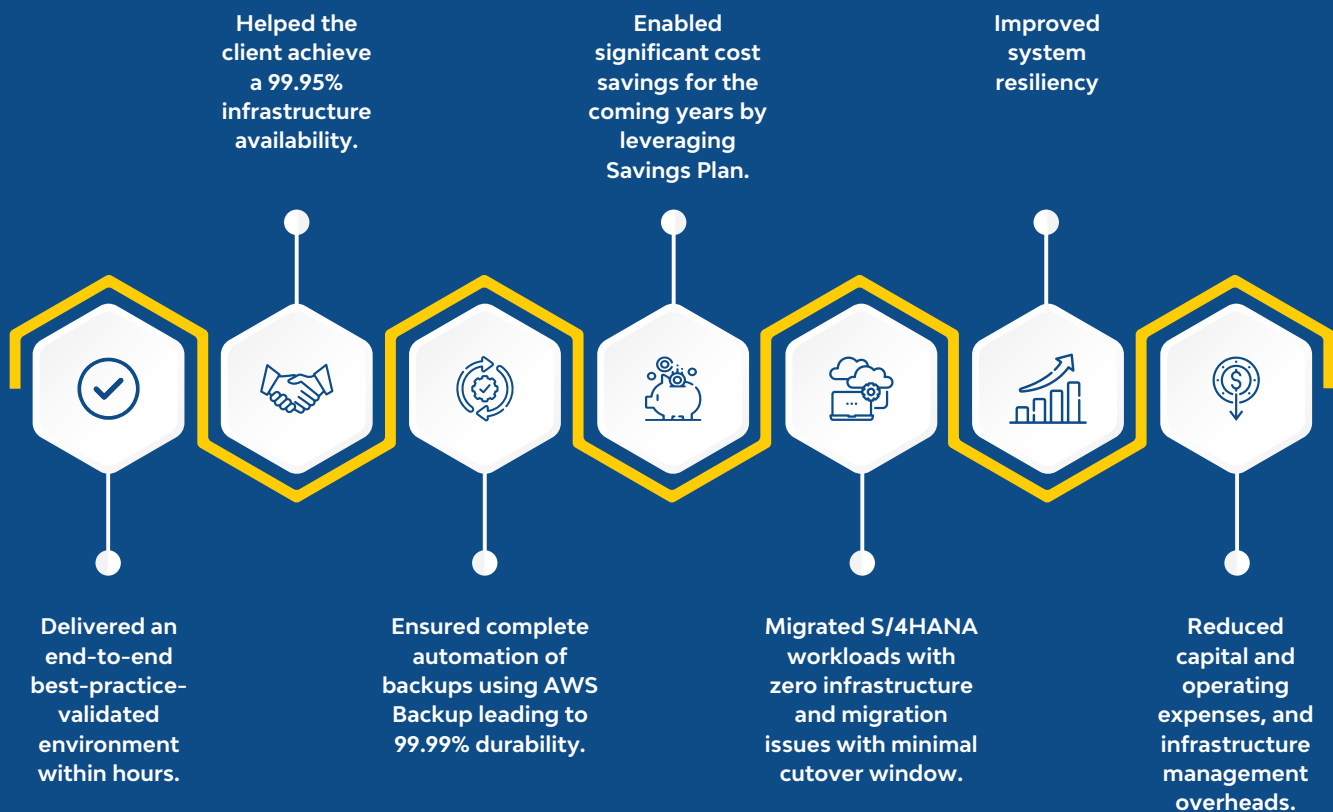>
> **Govind S Joshi, CIO, USV India**
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LTIMindtree Solution

To build new SAP environments, we used a solution called - Infinity LAMPS - which orchestrates manual deployment steps into an easy-to-execute automation runbook. The solution made it easier to migrate with one-click deployment by creating an AWS Landing Zone, along with pre-configured SLES instances, shell build with installation of S/4HANA 1709 and HANA DB 2.0, which reduced significant time taken to build the target infrastructure down from days to just four hours. LTIMindtree used the HANA backup/restore method for migrating S/4HANA workloads. LAMPS also helped to automate restoring of the HANA database at AWS without performing manual activities. LTIMindtree leveraged the following AWS services, technologies and features in our implementation: EC2, S3, EFS, AWS Backup, VPC, S2S VPN, CloudWatch, CloudTrail, Config, Systems Manager, Trusted Advisor, AWS Compute Optimizer, IAM, Secrets Manager, GuardDuty, Key Management Service, Certificate Manager, and CloudFormation.The entire migration of three environments was done in just three weeks' time including the client performing testing and validation of the environments.

Business Benefits

Helped the client achieve a 99.95% infrastructure availability.

Enabled significant cost savings for the coming years by leveraging Savings Plan.

Improved system resiliency

Delivered an end-to-end best-practice-validated environment within hours.

Ensured complete automation of backups using AWS Backup leading to 99.99% durability.

Migrated S/4HANA workloads with zero infrastructure and migration issues with minimal cutover window.

Reduced capital and operating expenses, and infrastructure management overheads.

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