



CASE STUDY

**MIGRATING INFRASTRUCTURE TO AWS
FROM A COLOCATION DATA CENTER**



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ABOUT CLIENT

The client is one of South India's largest IT & Electronics retailers with over 23 years in business. They are a reputable online retailer that provides services such as same-day delivery, and quick returns, and boast more than 20,00,000 satisfied customers.

BUSINESS REQUIREMENT

- The client relied on a custom web app hosted on a colocation DC with a RAID 0 storage technology. They wanted a standardized business management solution and were considering SAP Business One.
- The web app did not meet the client's growing business requirements.
- There were challenges with app scalability and availability given the dependency on one physical hardware.
- The colocation data center did not support automated deployment and best practices.
- The client's earlier vendor could not resolve the performance hiccups appropriately.
- They wanted their business management solution to have improved security.

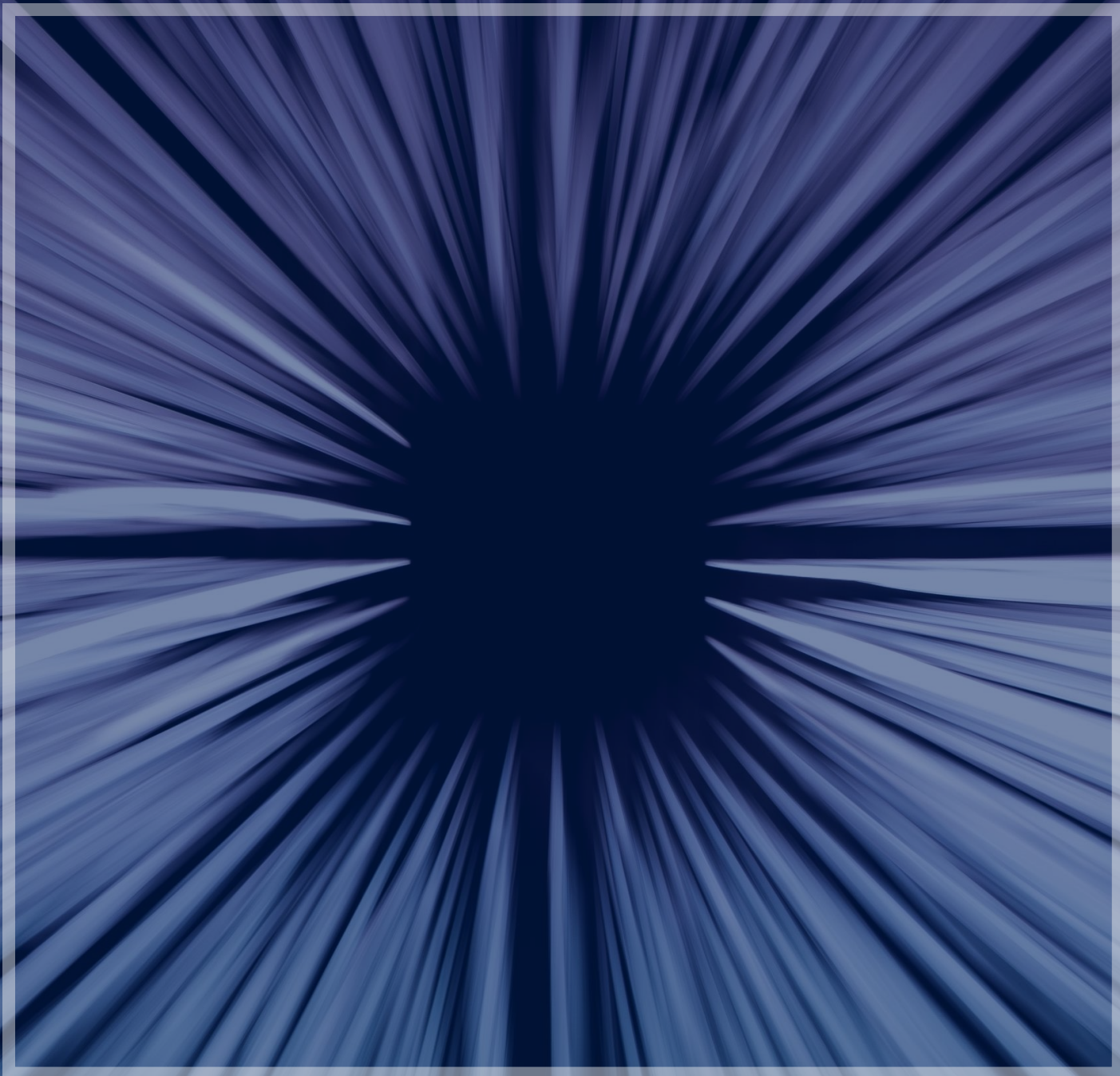
CCS SOLUTION

- CCS performed the current state analysis of the client's IT landscape and proposed AWS for implementing their SAP BI ERP on HANA.
- Helped the client adopt best practices for securing the ERP application access.
- Implemented AWS resources in a low latency region for faster response.
- Refactored the Infra to multiple layers to improve performance.
- The cloud environment was configured as per SAP recommended specifications.
- Migrated the SAP HANA workload to AWS.
- Automated the runtime of the Infra and HANA Backup jobs.
- Automated the HANA Backups to S3 Buckets using AWS IAM Roles.
- Proper Backup and retention of EC2 Instances and DB level backups.
- Enabled network security groups and VPN to secure the application access.



BUSINESS BENEFITS

- 2x faster deployment of fully functional HANA environment with automation.
 - Improved app performance in the production environment.
 - The client's infrastructure now runs on the latest HANA-certified servers.
 - Seamless migration ensured zero downtime.
 - Capability to scale up and scale down in line with business needs.
 - Deploying new application features and upgrades will be much faster.
 - Set up an automated Backup and Cold DR solution at a lower cost.
 - Automated VM start & stop to save about 50% of the total operational costs.
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