

Case Study

Streamlined ERP Environment & Performance for a Technology-Driven Construction Company

About the Client

Katerra Saudi Arabia (KSA) is a technology-driven off-site construction company. The company manufactured large building components off-site, particularly for multi-family housing.

Engagement Snapshot

Industry: Construction

Headquarters: USA (With Operations in the Middle East)

Project: Amazon Web Services (AWS) Migration

Key Technologies: AWS and SAP BASIS, CloudEndure (Now called MGN), AWS Backint, Database Backup & Restore, HSR, AWS FSX, AWS Backup, High Availability & Disaster Recovery, Microsoft Active Directory & MSSQL.



- Public Sector
- Immersion Day
- Solution Provider
- Amazon EMR Delivery
- SAP Services Competency

- Amazon Kinesis Delivery
- Amazon Redshift Delivery
- DevOps Services Competency
- Well-Architected Partner Program

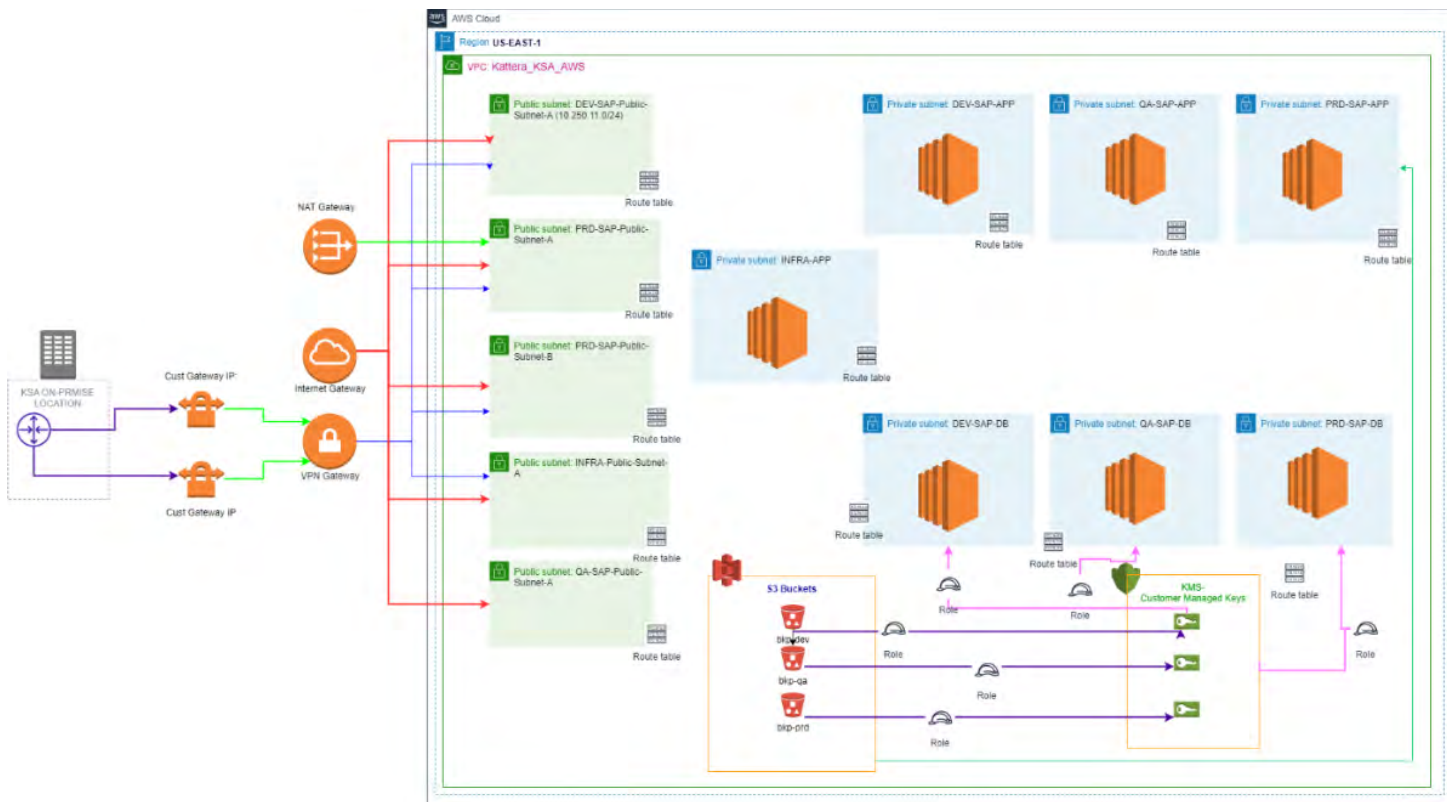
Business Need

- Increased demand for digital services during the COVID-19 pandemic required Kattera KSA to migrate its ERP environment to a more flexible one to meet the ever-changing needs.
- The existing environment had limitations in upgrade, maintenance, and operation.
- Enable better performance and visibility into application state, responsiveness, or potential errors
- The businesses needed to improve its ability to meet core security and compliance requirements.



Solution

Leveraging YASH Technologies' expertise and the benefits of cloud-based hosting and cloud-native services, the team kicked off a project for migrating KATERRA KSA's ERP environment to the AWS cloud while improving the underlying applications' architecture and capabilities.



Assessment and Migration

YASH implemented AWS Well-Architected to assess Katerra KSA's environment based on reliability, security, performance efficiency, cost optimization, and operational excellence. Using the recommended migration strategy, the team then migrated Katerra KSA's ERP environment to AWS.

Infrastructure Stability

Implemented Amazon Virtual Private Cloud (VPC) with multiple availability zones to split infrastructure into development, quality, and production environments. We configured high-availability VPN connections between locations and cloud-based ERP environments.

Security Enhancement

Secured the environment using AWS Key Management Service (KMS), AWS Identity and Access Management (IAM), and AWS Certificate Manager (ACM) and integrated with AWS CloudTrail for audit logs of key usage.

Performance Optimization

Replaced legacy monitoring tools with cloud-native solutions AWS CloudTrail and AWS CloudWatch. Enabled simplified operational analysis, troubleshooting, monitoring applications, detecting anomalies, and responding to performance changes.

Benefits



- Noticeable **improvement** in delivery application performance
- Achieved over **60%** cost savings through **Savings Plan** implementation.
- **100%** improvement in availability
- **23%** boost in overall system performance
- **65%** drop in security incidents

For more information contact YASH today at info@yash.com or visit www.yash.com

About YASH Technologies

YASH Technologies focuses on customer success. As a leading technology services and outsourcing partner for large and fast growing global customers, the company leverages technology and flexible business models to drive innovation and value throughout its customer's enterprise. YASH customer centric engagement and delivery framework integrates specialized domain and consulting capabilities with proprietary methodologies and solution offerings to provision application, infrastructure and end user focused Right-Sourcing services. YASH is a SEI CMMI (Level 5) and an ISO 9001:2015 certified company with U.S. and India headquarters and regional sales and development offices globally with customers spread across 6 continents.

Global Presence

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