

# Cloud4C empowers JESCO with Fail-proof Migration of SAP and Non-SAP (DMS) Workloads to AWS

## About the Customer

Jubail Energy Services Company (JESCO) is a leading manufacturer of carbon steel seamless pipe products for the oil and gas sector. With a state-of-the-art facility in Jubail, Saudi Arabia, the company manufactures and distributes seamless steel pipes of various dimensions mainly in the Middle East but is also witnessing rapid growth across other markets. From its ideal location to deliver GCC development projects across the region, JESCO has had a tremendous impact in shortening supply chains by thousands of miles and saving hundreds of days of delays.

JESCO is recognized as an important player in realizing the Saudi Vision 2030 of growth, empowerment, and leadership. To achieve their goal of becoming a leading SMLs manufacturer, and to be better placed to leverage the current market outlook and global demand, JESCO wanted to revisit their IT setup to modernize their ecosystem for greater efficiency.

## The Challenge

- JESCO's existing IT infrastructure and bloated SAP-based ERP and Non-SAP systems rendered operational systems highly inefficient in terms of cost, efforts, and time
- The architecture incurred unacceptable latencies in data access and communication
- Scaling up critical workloads within their existing infrastructure was not sufficient to meet business demands.
- Existing security controls were not adequate, risking the compliance with local and global regulations.
- The client was in dire need of an experienced partner who could undertake the entire project, from design to migration and maintenance under a single SLA.
- The client required a highly scalable and cost-effective solution that assured business continuity.

## The Transformation Begins: Landscape Assessment

We initiated the exercise with a formal, in-depth cloud assessment to identify existing organizational workloads (infrastructure, application, data, and workplace), current maturity and health state, and charted a plan for a seamless and successful migration.

The assessment involved the following steps:

Step 1

Preparing a business case with detailed TCO estimates, sizing vs pricing for 3 Years, and the business value proposition of migration to AWS

Step 2

Understanding of applications and mechanism to perform discovery and assessment to collect inventory details

Step 3

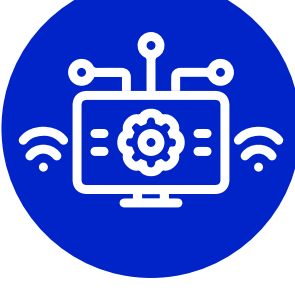
Identifying the migration pattern for each application and mapping it with the 6 R's (Rehosting, Replatforming, Repurchasing, Refactoring/Rearchitecting, Retire and Retain)

Step 4


Crafting a detailed migration plan which covers tools used for migration, modernization opportunities, Application test plan, cutover plan, and rollback plan

## The Solution: Key Offerings


Cloud4C was able to complete the entire migration in record time at zero data loss and disruption to business as usual. We ensured that the migrated IT infrastructure did not have any business impact on operations and the users.



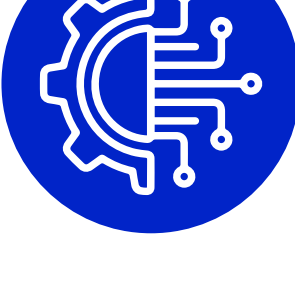
Cloud4C provided complete SAP services provisioning on the certified SAP instances for different functionalities such as Network, Monitoring, Security, Backup, High Availability, DR, etc.



Cloud4C experts integrated task automation and intelligent workflow management capabilities for a streamlined user experience, which boosted efficiency across the organization.



The highly scalable solution ensured best-in-industry RPO/ RTO with integrated monitoring, backup, HA/ DR capabilities as required for each workload. This promised uninterrupted continuity at best availability, 24/7.




We enabled the L1support layer to resolve issues at the initial stage with better tools and access, with this the number of tickets raised and resolved at higher levels (L3, L4) has been significantly reduced.

## Key Accelerators


- AWS Advanced Consulting Partner with standard industry competencies
- AWS Cloud Assessment and POC to understand JESCO's infrastructure cloud readiness.
- End-to-end support on AWS migration and management focused on business growth.
- Cloud4C managed services with frameworks as per ITIL, ITSM, COBIT, Six Sigma, PMI, SSR, etc.
- Deployment of CloudEndure – An AWS Disaster Recovery solution that provides scalable, cost-effective business continuity for cloud servers. It minimizes downtime and data loss by providing fast and reliable recovery of physical, virtual, and cloud-based servers into AWS Cloud.




## The Results




**Cost-saving**  
 50% reduction in overall IT costs




**Lowest latency**  
 By migrating the infrastructure from on-premises to Bahrain AWS, latency is reduced to a great extent



**Uninterrupted Business Continuity**  
 24x7 hour operation and maintenance for uninterrupted business continuity with stringent RTO/ RPO



**High availability**  
 99.99% uptime and high availability of applications



**Scalability**  
 A flexible and secure infrastructure that supports the sustainable growth of its services