

L71



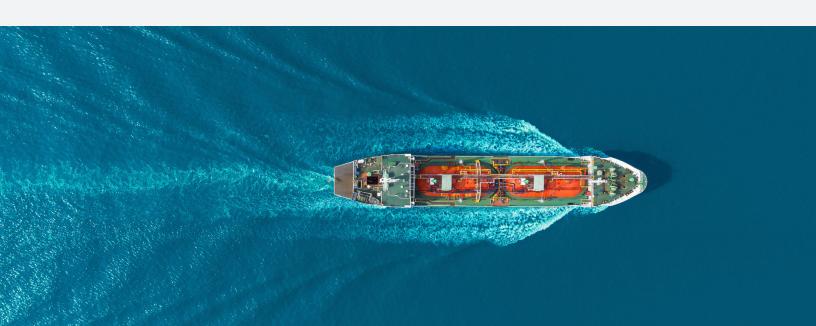
Client

The client is a leading US-based Oil and Gas Company. The company is engaged in the exploration, production, trade, transportation, and sale of crude oil and natural gas, and the manufacture, transportation, and sale of crude oil, natural gas, petroleum products, petrochemicals, and a range of specialty products.



Challenges

- Modernizing employee self-service applications to improve performance, availability, scalability, and reduced operating costs.
- Managing high license cost of Oracle 12C.
- Optimizing the database by removing the redundant tables and backups.
- Decommissioning SAP NetWeaver.
- Customizing the existing workflow management process is cumbersome.
- Managing operational maintenance.







LTI Solution

The AWS Services were used as a part of this solution in the following ways:

- Using CloudFront to render the UI application to improve the application performance and usability experience.
- Using S3 buckets with CloudFront to make the document available to the users near their region.
- Authentication and authorization were done using AWS Cognito. The login page was created using the Cognito service by providing CSS customizations as required.
- Monitoring of AWS services like AppSync and Lambda was done by enabling X-rays and metrics like invocation, error, and concurrent executions are tracked in CloudWatch.
- Providing all AWS services, using the CloudFormation template, and service
 policies with the least possible access was configured for each AWS service
 in the template.
- Using AWS AppSync for backend operations with AWS Lambda acting as data source and resolvers were attached to the fields with mapping templates.
- Using DynamoDB as a transactional data store, which was also the application's primary data source. DynamoDB streams are used to notify whenever a change has happened in the status of the document being reviewed.
- Using Elasticsearch (OpenSearch) for the type of functionality implemented in the application. This has improved the query speed and experience.





Business Benefits

Collaboration between stakeholders improved by ~ 70%

~ 90%

SLA breaches on the projects reduced by ~ 90%

~ 20% of clients' workflows got integrated into this new platform

CloudFront helped to reduce

the download times by

LTI (NSE: LTI) is a global technology consulting and digital solutions Company helping more than 475 clients succeed in a converging world. With operations in 33 countries, we go the extra mile for our clients and accelerate their digital transformation journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivalled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 40,000 LTItes enable our clients to improve the effectiveness of their business and technology operations and deliver value to their customers, employees and shareholders. Find more at http://www.Lntinfotech.com or follow us at @LTI_Global

