

Major Client in Energy client

Client-IBM Relationship

IBM is a long-time trusted IT partner and supporting various aspects of their application landscape, infrastructure and back and systems. We have deep relationships and a proven track record with project delivery.

IBM provide solutions encompassed with experience design, development, testing and support along with the ability to provide consumers with targeted marketing offers.



Impact

Rethink operating models, respond to customers and competition with confidence and purpose.

Build once, deploy anywhere
For optimized data and workload placement

Open, secure, and integrated
Visibility, governance, and secure data access

Culture and skill transformation
Best practices, proven methods, and tools

Client Profile

Client is a integrated energy company based which specializes in production of synthetic crude from oil sands. It develops and produces oil and natural gas and offshore drilling



Program Overview

Cloud surge is an IBM led initiative where IBM dedicates a squad of Cloud technical subject matter experts to partner with client's team to build a use case for a successful Cloud Migration and Modernization.

During this initiative, IBM technical experts were tasked to analyze application inventory being supported by IBM team move few of them to Azure Redhat OpenShift platform.

Industry: Chemical and Petroleum



30+ application were reviewed during this initiative and three were picked as pilot for modernization:

Lessons Learned Application - An ASP.NET MVC application, which is migrated to ASP.NET Core and deployed to Azure RedHat OpenShift Linux containers along with Azure SQL DaaS.

Rail Gauge – Re-architecting one of the Gold service level legacy desktop application written in legacy VB technology to ASP.NET Core MVC.

Control M platform - Job scheduling platform, which has been set up to run in ARO and Azure IaaS.



Situation

Client has wide range of applications created using various technologies, many of which are not supported by respective vendors anymore. All these applications are running in their on-premise data center, requiring users to use office network for access.

Most of these legacy technologies are unsupported so that they do not receive updates and patches to address security vulnerabilities from respective vendors. Longer delivery time with legacy source code management platform and deployment model which are not compatible with DevOps methodology.



Solution

Applications are upgraded in such a way so that all-necessary components of it are loosely coupled.

Reusability and resource optimization was the primary focus. Architectural designs are reconstructed, so that all applications are best fitted in cloud environment.

Focus is given to remove the use of legacy third part assemblies and libraries which causes performance of the applications.



Outcome

IBM has successfully upgraded and migrated all three of these selected applications to Azure RedHat OpenShift platform with improved application performance, scalable platform with enhanced reliability and resiliency than ever before.

In addition, IBM has analyzed 30+ of their applications and provided expert insight on their future modernization journey. Using this information client is now planning for the best route using their cloud infrastructure and best practices which IBM has helped them to set and stabilize . Some of those applications have now started to get into IBM scope for their modernization with paid engagement model.