

Accelerate Migration Capabilities and Adopt a Cloud-first Deployment Strategy

Prominent Finance Company works with AWS Partner Technologent to Increase Modularity, Boost Resiliency, and Scale their Business.

A prominent investment and finance company has maintained a highly utilized legacy ETLi application which services approximately 130 different integrations each with multiple processes and pipelines associated. They wished to modernize their approach to data pipelines utilizing AWS services as the basis for a modular, resilient, and serverless architecture to allow for scale and agility for current and future projects.

Solution

The company engaged Technologent to assess its environment and recommend a more robust approach to handling their ETLi application. Their ETLi did not easily integrate with the modern cloud-based technologies due to a non-scalable infrastructure and dependence on expensive vendors. The firm was looking to modernize the ETLi technology stack by migrating to AWS to leverage their modular, scalable serverless infrastructure that can greatly decrease the operational overhead and allow for future integrations.

Technologent worked with the firm to the initial seven (7) ETL Pipelines into the production ready environment. These seven represented a blueprint that would encompass approximately 80% of the total integrations across all data ingestion processes. The Pipelines utilized AWS native functions such as AWS Glue, and Step Functions in order to perform these tasks in a serverless and event driven manner as a means to optimize costs and performance.

Results

Upon completion of the project the team had a total of seven (7) ETL pipeline blueprints have been migrated into the production ready environment with multiple integrations being deployed by each blueprint. This resulted in significant overhead reduction for data processing as well as infrastructure costs. Over the course of the next six to twelve months Technologent and the firm will work to migrate all the remaining workloads and integrate new technologies to the solution.

With strong planning and executional excellence, the project was completed on time and on budget. The customer has now begun phase 2 of the project which includes additional functionalities for many other core applications. Now with their data footprint aligned closely to AWS the client is able to accelerate their migration capabilities and adopt a cloud first deployment strategy for all current and future applications.