BEYONDSOFT
beyond your expectations

CASE STUDY

SAAS PROVIDER ADJUSTS ARCHITECTURE TO FIT GROWING DEMANDS

THE CLIENT

This Utah-based company specializes in business intelligence tools and data visualization for customers and manages their customer's data sets in order to allow for self-service BI.

A NEED FOR A CLOUD STRATEGY

The client needed to increase cluster elasticity and interface with the existing Data Warehouse application, as well as have the ability to incorporate automated decision-making and notification based on business scale. Scaling the size of the data warehouse in AWS would take too long to complete using older technologies such as Enterprise mode.

A SOLUTION OPTIMIZED FOR CLIENT DEMAND

Beyondsoft's cloud consulting team worked with the client using Vertica to conduct a EON Proof of Concept (POC). This was done by creating a single Terraform template for the Vertica infrastructure, as well as supporting resources on AWS. This provided the client with results of timing and performance statistics for all load and query tests. The team then performed a shootout of the various technologies used for querying a data lake, including Athena, Spectrum, and Vertica External Tables.

THE BENEFIT OF BEYONDSOFT

- Yielded better understanding of how architecture can adjust to growing demands

- Total Cost of Ownership (TCO) analysis for an identical query workload

- JMeter performance for indicative queries

- Data Lake validation and population