Data Architecture

Case Study: A Large Healthcare Company

Our client is a healthcare technology company that provides software and services to healthcare providers. The organization faced challenges with its data architecture, as it had multiple legacy systems that needed help to integrate, and data was siloed across different departments.

To overcome these challenges, our customer engaged with Egen for architectural advisory services. The goal was to implement a robust data architecture with a cloud-based data platform and analytics tools. Egen used Google Cloud services, such as Big Query, Cloud Dataflow, and Cloud Pub/Sub, to build the new architecture. Egen helped design and implement the migration plan. The migration involved moving the Company's business applications, databases, and other critical workloads to Google Cloud. Egen also helped this Company implement Google Cloud services, such as Compute Engine, Cloud Storage, and BigQuery, to support its manufacturing operations.

This new architecture allowed this global healthcare giant to integrate data from multiple sources and provide a single source of truth for all its data. Additionally, the cloud-based platform provided scalability and agility, allowing the organization to quickly scale up or down based on the changing business needs.

As a result of the new data architecture, our customer was able to achieve the following results:

Cost Savings

By analyzing data from its supply chain, it identified opportunities to reduce costs and optimize inventory levels. This resulted in a 10% reduction in supply chain costs.

Improved Patient Outcomes

By analyzing patient data from multiple sources, this Company could identify patients at high risk of developing sepsis and provide them with timely interventions. This resulted in a 15% reduction in sepsis mortality rates.

Increased Operational Efficiency

By integrating data from multiple sources, this Company was able to identify inefficiencies in its operations and make data-driven decisions to improve its processes. This resulted in a 10% reduction in patient transport times and a 5% reduction in equipment downtime.

The new data architecture allowed this global healthcare corporation to improve patient outcomes, increase operational efficiency, and achieve cost savings. As a result, the organization was able to use data to make more informed decisions and provide better care to its patients.