University Case Study

DLT
A TECH DATA COMPANY

Profile

A premier public research university, this top-ranked large university continuously looks to advance knowledge and research in addition to student success. One of its core commitments is to achieving health care that strives to preserve and restore health for all people, to seek the cause and cure of diseases through groundbreaking research and to educate those who serve humanity.

Problem

As a partner of a government-funded health and science consortium, with help from the DLT Managed Service Engineers, the team at this large university built a cost-effective, scalable, and secure platform to host their scientific study data and application. Shortly after this system's deployment, the university team realized the need for additional business intelligence around the system and its usage and were looking for a good way to embed these data analytics on the website.

Solution

To support this project, DLT Managed Services Engineers already working with the school recommended the use of integrated business summary dashboards from Amazon QuickSight that used an API for easy integration with the existing application. The DLT team was able to help with initial setup of Quicksight and integrating it with the existing managed, compliant infrastructure, including the ingesting of SQL data from the managed RDS deployment. Once QuickSight was enabled and configured, the team at the school was able to customize dashboards with key metrics for the scientists and clinicians participating in the study, while ensuring there is no data bleed-over.

This deployment is part of an ongoing Managed Services engagement; an addition to the existing agreement to provide ongoing AWS IaaS, PaaS, and SaaS under a collective state purchasing agreement.

How AWS Services Were Used as Part of the Solution

DLT proposed BI analytics deployment on the existing multi-layer architecture. This specifically included Amazon QuickSight and RDS, while the application continues to use multiple Availability Zones with Elastic Load Balancing, Elastic Compute Cloud, Simple Storage Service, WAF, Route 53, AWS Certificate Manager, and more.
Third Party Tools: CloudCheckr, Zendesk Support Ticketing, Automox, Skeddly

Outcome(s)/Results

With DLT's help, the university was able to successfully roll out a powerful set of customized BI dashboards directly integrated with its application for the internal-facing component of its joint study. Together with DLT, they continue to manage and iterate the architecture as the study grows and more data is gathered.

Lessons Learned

The team at the university continues to build on its experience using a multi-layer AWS deployment, with even more insights into how to present key data for users. Using this experience, they can now create multiple dashboards and data models while keeping them both secure and relevant to the appropriate teams.

aws partner network