



CASE STUDY

PARTNER OVERVIEW

CDW partnered with a leading software and technology company that powers the global travel industry. With decades of revolutionary firsts, the customer's team of experts drive innovation and ingenuity across the travel ecosystem. Their technology is the intelligence behind mobile apps, airport check-in kiosks, online travel sites, airline and hotel reservation networks, travel agent terminals, and scores of other travel solutions. Positioned at the center of the travel ecosystem, their platform enables customers to connect people with experiences that matter in their lives.

Background

The customer had been using HashiCorp Terraform open source until they purchased a five-year Terraform Enterprise subscription. This shift tied into their scripting and automation in Google public cloud. They wanted to drive technology automation and seed support for their efforts, and was interested in having CDW assist in their adoption of Terraform Enterprise to further automation around services deployment into GCP.

Goals

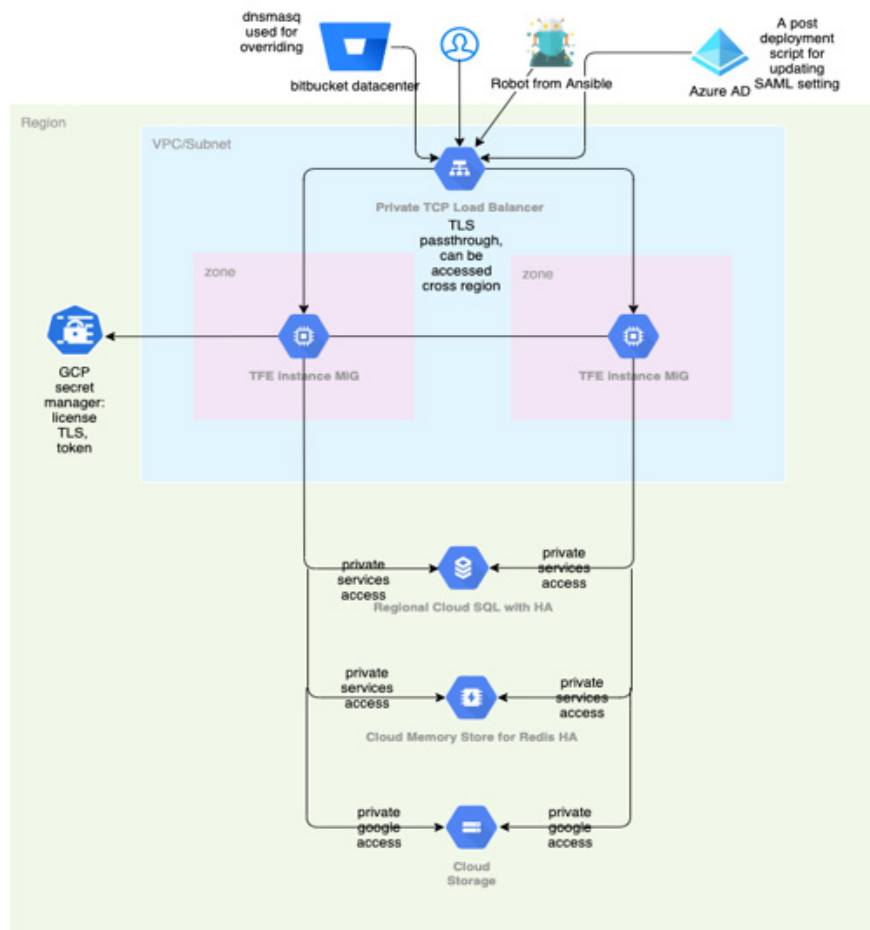
The goals agreed upon included:

- Move HashiCorp Terraform open source efforts to Terraform Enterprise (TFE), including design, installation, and configuration
- Establish TFE as the enterprise Infrastructure as Code (IaC) platform to adopt best practices for establishing an enterprise-wide automation framework including state management, RBAC, and Sentinel policies
- Jointly choose POV application to validate HashiCorp Terraform best practices implemented as part of the engagement
- Develop an integrated toolchain their enterprise ITSM, Ansible Tower, and TFE to drive consistent adoption of IaC with configuration management

Plan

An MVP was agreed upon for the engagement and followed the Agile Scrum methodology, with the customer owning the Scrum Master, product owner, and management roles/duties. Access was provided to the CDW team members, as required.

The delivery of the project included four, two-week sprints, and at the end of Sprint 1, a Scope Alignment Review was conducted. The majority of the work included platform deployment, with the infrastructure built outside the customer's environment to then be implemented within it by the organization. HashiCorp Terraform was used for deployment, and CDW assisted in that process, demonstrated how to use it, and provided recommendations for follow-on work. The diagram below is an overview of the solution.



Conclusion & Impact

At the end of the engagement, the lab proved very useful to the customer. They expressed their satisfaction with the work completed and indicated they are pursuing additional strategic projects with CDW Digital Velocity and HashiCorp to establish best practices for additional enterprise features like RBAC, Sentinel policies, private registry, GitOps, etc.