

PubSec Titan Powered by Evoque & AWS

Who

One of the largest contractors for one of the US Government's largest agencies contacted Evoque's cloud engineering arm Foghorn for assistance.

The Situation

It was early 2020, and the dawn of Covid 19 pandemic. Beyond supporting a brand-new remote work ecosystem this customer was also interested in shifting from a multi-cloud, hybrid environment to going all-in with a single public cloud platform.

The Challenge

Due to covid, the customer's physical headquarters needed to evolve into a remote environment. Wanting to exit their on-premise data center, and unhappy with their incumbent cloud vendor, this customer was interested in moving 100% to another cloud provider. Over 550 applications needed to be migrated. To complicate matters the customer's customer, a large government agency had periods in the year where there were huge traffic spikes, mandating a need for seasonal help desk support. The remote desktops were needed ASAP, and the applications need to be migrated by the next seasonal traffic spike.

Our Solution

With a best-in-breed DaaS solution, robust availability zones, aggressive pricing and migration funding, AWS was tapped as the cloud platform of choice. As AWS Premier Tier Partners with the DevOps, Security, and Migration Acceleration Program (MAP) certifications Foghorn's deep expertise, library of infrastructure-as-code would be central to the success of this initiative today and into the future.

First and foremost, Evoque's cloud engineering arm Foghorn went to work building a remote desktop solution. 1,400+ AWS Workspaces were designed and implemented.

- AWS Connect was employed to deliver voice services.
- AWS Appstream was optimized to deliver applications to employees and the customer's helpdesk.
- Utilizing Zscaler, a zero-trust backbone was enmeshed into the AWS environment, providing endpoint, identity, and network security.
- Thin desktops were sent to all employees, ensuring a continuity of secure service for the organization.



Assess, Mobilize, Rehost, Refactor, ... Migrate

As part two of this engagement Foghorn's consulting team went to work assessing and getting 550 applications primed for migration. Each of these individual applications need specialized design and custom coding to thrive on AWS. Foghorn's Terraform, networking skills, windows skills, active directory, scripting skills and security acumen were all put to the test to support this effort.

Our MAP team went to work to secure funding to help offset the costs of the migration and modernization exercise.

Results and Benefits

Working alongside the customer's IT team, Foghorn successfully created over 1,400 remote desktops. This DaaS project has slashed over \$100K a month from the customer's monthly IT spend.

Utilizing AWS MAP capabilities, to date Foghorn has secured \$60K for the cloud assessment phase of the project and over \$200K for the mobilization and migration phase. With Foghorn's assistance this customer is on target to have 50% of their \$850K migration costs covered by AWS.

The customer has signed up for a twelve-month DevOps engagement to further drive and accelerate the migration of the 550+ applications to completion.