Digitalstates

maximus

Case Study

Lift-and-Shift of Large-Scale Compute Infrastructure to Cloud

Business Advantages

- o Significant cost savings
- o Enhanced resource cost monitoring for each customer
- o Improved business reliability

Technical Advantages

- o Improved application response
- o Improved security monitoring
- o Standardized CI/CD process for DevOps

Service Stack

- o CloudEndure, EC2, Route 53, RDS, S3, ALB, CloudWatch, CloudTrail, IAM, VPC, Site-to-Site VPN, Direct Connect
- o Java, Drupal, PHP, Oracle, MySQL

The Customer

Maximus partners with state, federal and local governments to provide critical health and human services. It offers governments the ability to implement programs rapidly with scalable operations and automated systems. From Medicaid and Medicare to welfare-to-work and program modernization, Maximus' solutions help governments run effectively and efficiently to achieve their goals.

The Challenge

As one of the largest digital service providers to the government, Maximus wanted to become a cloud-first company and to achieve that they needed to migrate all their infrastructure to public cloud. Maximus wanted an experienced partner to assist them through this complex transformation effort.

The Solution

Digitalstates provided end-to-end support, conducted the assessments, built the automation for migrations, and assisted in project management for the cloud migration. For migrating the Linux/Windows workloads AWS CloudEndure was selected. For database migration of Oracle Workloads Shareplex, DMS, and native tools were utilized for MySQL and SQL Server. Due to a large-scale environment involving 150 end-customer accounts and overall 4,000+ workloads were required to migrate using CloudEndure, which was not possible with available staff. Digitalstates built the "migration accelerator" tooling around CloudEndure for expediting the migration. It included creating the target infrastructure and security group rules in AWS, enabling incremental updates for configuration changes, validating target servers' pre-requisites, automating CloudEndure agent installation, monitoring the migration, integrating with VMware vCenter, the auto-shutdown of source VMs, and managing multi-accounts.

The Outcome

Tremendous benefits were realized through a text-book AWS migration, including significant cost savings, improved reliability with multi–Availability Zone (AZ) deployments, implemented infrastructure-as-code (IaC) into development processes, enabling standard CI/CD process for DevOps teams, improved security monitoring, enhanced resource cost monitoring for each customer using tagging, and improved application response by 30%.