CompuNet, Inc.

AWS BACKUP / DISASTER RECOVERY / WEBSITE MIGRATION CASE STUDY

Spokane Transit

CUSTOMER PROFILE

Name: Spokane Transit Authority
Location: Spokane, WA
Employees: ~ 30
Offices: North America

The Spokane Transit Authority has a variety of IT systems and data from many systems. IT Services supports and ensures their stability, performance and disaster recovery.

Strategy

We assess your workloads and align placement with business objectives.

PROBLEM

The Spokane Transit Authority needed to ensure the safety and recovery of on-premise data (approximately 15TB). The customer was using Veeam to backup data, VMs locally and desired to utilize a cloud-based solution as part of their overall hybrid, disaster recovery plans.

The customer wanted to migrate two of their public-facing websites, one e-commerce, and one public projects tracker, from a third-party service to a cloud service provider that the customer had complete control over. This migration needed to be done with no to minimal downtime to reduce customer impact.

PROPOSED SOLUTION

CompuNet proposed utilizing Amazon Web Service as the cloud solution for this case. For the initial seed of data to be done, our Certified Architects suggested using Amazon Storage Gateway as a cached volume gateway in conjunction with a Veeam cloud instance. This architecture also enabled the customer to create AMI images from the Veeam VM backups for disaster recovery.

CompuNet proposed utilizing Amazon Web Service as the cloud solution for this case. Our Certified Architects recommended using auto-scaled EC2 instances behind an Application Load Balancer (ALB) to run the CMS application instances. For the database, we proposed using an Aurora MySQL cluster in a multi-AZ deployment configuration with separate master and read-only endpoints. For the shared file-based content across CMS instances, CompuNet recommended using Amazon Web Services elastic file system (EFS) to deliver a highly available, redundant storage solution.

QUANTITATIVE OUTCOME

These configurations alleviate concerns about the primary storage resources becoming unavailable, allowed Spokane Transit Authority the ability to seamlessly extend their on-premise storage to the cloud and establish a means of restoring off-premise should a disaster happen locally. The initial 15TB target has grown to ~64TB of AWS Storage Gateway utilization, freeing up valuable on-premise storage for other high-IO use-cases. Upon completion of this project it also paved the way for Spokane Transit Authority to proceed forward with moving the two websites, gave control of the infrastructure to STA and produced a much more scalable and highly available solution then they previously had.

Planning

Dialogue with key stakeholders helps build a Cloud Adoption roadmap.

Delivery

Our iterative approach gets results quickly and drives agile migration.

Management

We fine tune, manage cost, and optimize performance.

aws partner network

Advanced
Consulting Partner

AWS Public Sector Partner