Cloud Migration Case Study
TNTP Application Migration

About TNTP

TNTP's mission is to end the injustice of educational inequality by providing excellent teachers to the students who need them most and by advancing policies and practices that ensure effective teaching in every classroom.

THE CHALLENGE

To move public-facing web applications and internal applications to AWS for better cost, scalability, disaster recovery capabilities, and better application performance.

THE SOLUTION

JHC worked with TNTP to define a migration strategy, set up the infrastructure in accordance with best practices and to take advantage of the full feature set of cloud, and provided scripts to automate future updates and deployments. JHC introduced TNTP to the Infrastructure as Code model so that they could version control the state of their infrastructure through the use of AWS CloudFormation templates and take advantage of AWS' built-in resource dependency definitions to perform rolling updates with minimal downtime or system impact.

THE BENEFITS

Cost Efficiency

TNTP experienced lower costs for running their workloads in the cloud compared to on-premise IT hardware and maintenance costs. JHC assisted TNTP to utilize cloud purchasing options and offerings to meet TNTP's technical requirements while remaining cost-efficient.

Scalability

The use of the AWS cloud provided capabilities for flexible infrastructure to allow accommodation of various sizes of workloads. The infrastructure used AWS Auto Scaling capabilities along with custom settings in AWS CloudWatch to automatically scale to accommodate larger workloads while retaining transparency of the scaling activities to the end user.

Disaster Recovery

Failover capabilities and strategies such as the use of AWS Elastic Load Balancing within AWS were implemented to protect the system, maximize uptime, and minimize data loss in the event of a disaster. Notifications, alarms, and safeguards were put in place to ensure immediate notification of any abnormal behavior.

ABOUT JHC TECHNOLOGY, INC. AND AWS

JHC Technology provides core capabilities to clients utilizing AWS for enterprise and application architecture, migration, operations, and automation of cloud environments.

Migrating your applications to the AWS Cloud gives you access to on-demand IT resources that can help you innovate faster, reduce costs, and operate more securely.

NEXT STEPS

To learn more about how AWS and JHC Technology, Inc. can help your business, visit www.jhctechnology. com JHC Technology, Inc. www.jhctechnology.com