

FinTech FINANCIAL SERVICES

Less cost. More resiliency. Quickly scale technology
and Infrastructure



The Customer Profile

Client is a growing player in the Fintech industry with vision to provide better management for the financial operations and processes for their users.

The Challenge

As presented with the nature of the application, the company decided to leverage the importance of the public cloud offerings with this application and AWS was the obvious choice for this.

The primary concern for the customer was to look for a managed services provider who could design and manage the AWS infrastructure for their application, so they can focus on customer engagement. The next concern was to build the infrastructure that is 100% redundant that meets the ever-growing requirements of the business and the users associated with the application.

The Solution

Being an Amazon partner and having 12-year background as managed service provider in the field of server management, we took our experience along with our AWS expertise to deliver the best. Geeks Solutions' team of System Administrators AWS CSAA performed some comprehensive analysis on the application requirement and designed the architect best suited for the application taking into consideration the AWS well-architected practice. Various AWS components, its configurations, and internal components required were discussed along the way to the deployment.

By incorporating the agile tactic, our AWS certified SA's and 24x7 SA team safeguarded the applications availability in timely manner. Round-the-clock support was provided for the application and infrastructure.

- Creating a workflow to smoothen the issue tracking and resolution.
- Performing weekly analysis of the AWS infrastructure.
- Monitoring the AWS CloudWatch metrics to monitor the AWS infrastructure.

The Advantages

- Agility to gain focus on application distribution rather than infrastructure management.
- Highly availability with continuous monitoring of the application and infrastructure.
- High scalability through horizontal scaling to distribute work force for better performance without affecting user experience.

Technology Stack

- Amazon CloudFront is used to gain low latency, high transfer speeds of application data to the end users.
- Amazon CloudWatch is used to monitor various aspects of the AWS infrastructure and facilitate other services.
- Amazon Elastic Load Balancer is used to distribute traffic to the EC2 instances in Autoscaling.
- Amazon EC2 Auto Scaling is used to horizontally spin on-demand EC2 instances to handle high traffic and load.
- Amazon Elastic File System is used for centralized data control.
- Amazon EC2 is used for application component configuration and deployment.
- Amazon RDS is used for application database hosting with multi-AZ environment.
- Amazon ElastiCache used to improve application performance.
- Amazon S3 is used to store and collect the logs and other data for various components of AWS.

