

FinTech FINANCIAL SERVICES

Less cost. More resiliency. Quickly scale technology
and Infrastructure



ISO 9001:2015 Certified



Customer Profile

The customer is a digital services provider for secure and easy online transactions for e-commerce and other online transaction in his region. His vision is to provide a platform where there will be no need to carry cash in his region.

The Challenge

The company has a vision based on which the infrastructure must be build considering the security at the topmost layer being involved in various online transactions.

Given the strategic approach to the application and given the reach of the application in digital world, using a AWS cloud platform became mandatory especially the level of security standards with AWS offerings. The application offers the facility to make secure online transaction anywhere anytime with ease at the touch of a button.

Initially, the customer was looking for some provider who can design and secure the infrastructure as per their application requirement, making it compliance with the industry best PCI DSS compliance.

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 were evaluated, its configurations, and internal components required were discussed along the way to the deployment.

By incorporating the agile tactic, our AWS CSAA'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 proactive workflow to track the issue and smoothen the communication for resolution.
- Performing weekly analysis of the AWS infrastructure and various components in it.
- Monitoring the AWS CloudWatch metrics to monitor the AWS infrastructure.
- Provided centralized logging mechanisms and internal monitoring aspects as per PCI standards along with intrusion detection configurations and monitoring.
- Complete infrastructure audit and their internal component configuration for PCI compliance.
- EC2 instance internal vulnerability assessment for PCI Compliance.
- Working with the PCI company to capture the required data to gain PCI DSS Certification for the infrastructure.
- Providing 2 stage security with external firewall and software firewall for extra layer of protection.

The Advantages

- Agility to gain focus on application distribution rather than infrastructure management.
- Highly availability with continuous monitoring of the application and infrastructure.
- Disaster recovery strategies developed to recover core components of the infrastructure.
- PCI compliant infrastructure certified for PCI DSS certification.

Technology Stack

- Amazon CloudWatch is used to monitor various aspects of the AWS infrastructure and facilitate other services.
- Amazon EC2 is used for application component configuration and deployment.
- Amazon RDS is used for application database hosting with multi-AZ environment.
- Amazon S3 is used to store and collect the logs and other data for various components of AWS.

