

RupeeRedee Achieved Significant Reductions In Costs Up to 30% by Accelerating The Migration to AWS Cloud



Client

RupeeRedee

Industry

FinTech

Offering

AWS Migration

AWS Services

EC2, AWS IAM, Amazon Aurora, WAF, CloudWatch.

Introduction

RupeeRedee has provided instant small-ticket and flexible digital personal loans to the underserved population. It leverages state-of-the-art technology and data sciences to make lending safe and fast. The start-up's customers include first-time borrowers who could not secure loans elsewhere. RupeeRedee has services in over 35 cities from just ten cities in 2018. Its benefits are available 24X7, thus beneficial during emergencies, which could be personal and business-related.

Business Need

The expected increase in demand and new opportunities required a more robust technology infrastructure. Additionally, the intricate architecture, with the mixed-use of open-source and enterprise technologies, required a large-scale and robust cloud service that was scalable and secure.

RupeeRedee wanted to migrate its system to AWS to develop its complete infrastructure, including 40+ cloud servers to AWS cloud.

Solution Approach

Rapyder's team of Cloud Architects made several online assessments and discovery sessions with the RupeeRedee's infrastructure and DevOps teams to understand the latter's requirement for migration to AWS Cloud.



Next logical move

Rapyder team has suggested recommendations based on a Well-Architected review as a phase-II business transformation.



Implementation

The following proposed solution was implemented by Rapyder for a successful migration to AWS while ensuring that the best practices and business continuity principles are also applied.

- Amazon EC2 was leveraged to provide resizable compute capacity in the AWS cloud.
- AWS IAM was used to manage access to AWS services and resources securely.
- Microsoft SQL Servers, their primary running database management system, was migrated in negligible downtime.
- Amazon Aurora, which Amazon RDS fully manages, was leveraged, providing security, reliability, and high availability. Amazon RDS automates time-consuming administrative tasks too.
- AWS WAF was used to help protect web applications or APIs against attacks that could impact availability and security and consume excessive resources.
- Amazon CloudWatch was used to monitor the applications and alerts in case of any changes in resource utilization or unhealthy servers, wherein timely action could be taken.



Reaping Rewards

- 500% more efficiency in handling customer traffic.
- A significant Cost reduction was observed despite higher volumes of traffic. In fact, saving up to 30% with a few more optimizations is expected.
- The new program's free AWS credits were an additional bonus.
- Faster response time with fewer downtimes.
- Automated fault tolerance, regular backups, and mirroring.