



Design Cafe & Rapyder Collaborated to Streamline Application and Manage Infrastructure



Introduction

Design Case founded in 2016 is currently a leading start-up firm offering interior design and architectural services to its customers. It has designed over 5000 homes nationwide and has been featured in over 30 design publications internationally. With its head office at Jayanagar, Bengaluru, Design Cafe also has additional branches in cities like Chennai, Mumbai, Hyderabad, etc.

Design Cafe took its next big step in the business by offering the public to partner with a franchise model, extending its reach even further. It is expanding rapidly across the country and is poised to become India's most recognised and trusted brand for home interiors.

Business Need

In 2020, Design Cafe teamed with Rapyder to implement a cloud-based infrastructure for the first time. It is intended to reduce the use and inconvenience of maintaining physical servers to save money. It currently has 5 applications running, which have to be up 24x7. New applications are in the pipeline and are in progress. As a result, it requires full-time monitoring of their infra as well as infra support, which Rapyder currently provides.

» Industry

Interior design and architecting

» AWS Services

API Gateway, CloudFront, CloudTrail, CloudWatch, Config, EC2, ELB, GuardDuty, Lambda, RDS, Route53, SES, SNS, S3, WAF.

» Offerings

Managed Services



Next Logical Move

The idea of WAR is explained to the client. Rapyder team will perform a Well Architecture Review to restructure and maintain the overall health of the account in the next few months.

Solution Approach

Rapyder is working with Design Cafe to assess its current application and infrastructure landscape and providing managed services 24x7 support concerning security, cost optimization, patch management, scalability, and infrastructure maintenance.

The Rapyder team maintains around 5 applications running across 8 instances in the production account. All their applications are powered by these instances and utilize the high-speed AWS CDN network for quick response and reduced latency.

Implementation

- » Implemented a robust approach for deployments, roll backs, and database replication for all the applications
- » Route53 is used for hosting various Domains & Co-Domains handled by Design Cafe and maintaining DNS configuration solutions to maintain the overall health of the AWS accounts
- » Rapyder is maintaining regular backups using AWS Lifecycle Manager and AWS Backup Service to take AM Is' & Snapshots. Rapyder policy for backup is 2 daily snapshots with 15 being retained and weekly AM Is' with 4 being retained

- » Certificates are purchased from ACM to keep their websites secure, and these certificates are renewed in a timely manner
- » Patch Management is completed for all the instances
- » All the URLs are consistently monitored by the Rapyder monitoring team. The URLs are monitored using the Status Cake tool, which provides uptime and downtime periodically
- » Monthly Infrastructure reports are prepared and addressed with improvements and solutions to maintain the overall health of the AWS accounts
- » Rapyder follows AWS best practices to maintain Identity and Access Management (IAM) users & roles
- » 2 RDS instances are managed by Rapyder at the moment
- » 2 ALB's are maintained for both Dev and Prod

Customer Speaks:

Spoke to Girish who is the POC for all infra related queries. He is very much impressed with the way Rapyder is supporting. He enquired possibilities of earning credits from AWS and the opportunities of WAR has been explained to him.

Reaping Rewards

- » Patch Management helped Design Cafe significantly improve the performance of the applications
- » Cost Optimization helped Design Cafe in cost savings
- » Operating model of AWS helped to manage the infrastructure better with less running costs
- » The monthly reports helped them identify and take action on unused resources



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