



Rapyder Enables Quick, Reliable & Secure Migration of .Net Application to AWS

Introduction

Built to bolster and serve the textile fraternity, the Customer has a market-driven B2B portal that marked its existence in the year 2000 and, since then, has consistently been growing in leaps and bounds. Their rich experience, commitment, accountability, and innovations have helped to foster the business of small, medium, and large companies and enterprises associated with us. With a digital presence in more than 190 countries, the organization has carved a niche in the industry.

Business Need

The Customer was looking to run their .NET-based application on AWS Cloud. They had 3 websites running. All sites had been developed on a 2-tier architecture with User Interface on a Database layer.

All sites under the domains ran on 2 Web servers with SQL Server Standard edition as DB. Customers wanted to migrate their current infrastructure to AWS, looking for the same vendor to provide Managed Services.

Solution Approach

Rapyder worked with the Customer to understand the current architecture and then designed and implemented the entire infrastructure on AWS using the following:

- » Two web servers were provisioned under ALB. All the websites were deployed on both web servers.
- » All the servers except the RDP server were hosted in the private subnet.
- » Only the load balancer and RDP servers were in a public subnet.

- » The web servers had a file server mounted during deployments and user uploads.
- » SQL Server Standard License was included as part of the AWS Infra Cost.
- » Active Directory and DNS were run in High Availability mode across 2 AZs, one in an EC2 and one in the file server.
- » AWS S3 was used for any Data / Logs backups. NAT Gateway was added, which is a Highly Available AWS Managed Service.
- » Periodic Automatic Snapshots were built in on successful completion of POC.
- » EBS – Extension of Hard disk size was automated to manage cost and data growth requirements.
- » AWS CloudWatch was used for monitoring. AWS CloudTrail was set up for API and account activity tracking.

Reaping Rewards

- » At the end of the engagement, the Customer went online with a reliable infrastructure that met all of their demands. Because of the architecture's elastic nature, the solution could scale to meet the demand of the application when the traffic was high on the websites.

