



Rapyder Migrates Hotel Hub, a Booking Platform to AWS

Introduction

HotelHub LLP is a business solutions company that focuses on the business travel market. They have products which cater to high-technology booking solutions enabling customers (Travel Management Companies) to offer better service delivery to business travellers. Their products and services help travel management companies improve their hotel product offering to their corporate customers without the risks associated with developing complex technology solutions in-house.

Business Need

The customer was running their B2B travel management solution on one of the local data centres. The data centre infrastructure was up for renewal and the customer wanted more flexibility in managing their infrastructure and was exploring AWS.

management of HotelHub was also looking for a platform on which they could innovate their business solutions at a faster rate.

» AWS Services

EC2, Lambda, CloudWatch, Guard Duty, AWS Config, S3

» Third Party Solutions

SQL Server, Ncache, Symantec Antivirus, Splunk

Solution Approach

Our AWS-certified Solutions Architects conducted multiple rounds of discussions with HotelHub and came up with a proposal that would best fulfil the Customer's requirements. Best practices and business continuity principles were applied to the solution and the following considerations Architecture Approach was taken:

- » AWS Ireland was chosen as the region for hosting, keeping in mind their customer base.
- » All the servers were created in private subnets in different AZs which were behind the load balancer.
- » Web Servers would connect to API servers via Network Load Balancer which was also provisioned in the private subnet.
- » Both Web and API layers were in high availability with multiple servers running behind the load balancer.
- » Keeping in mind of predictive nature of traffic on the application, static servers were used at both the App and UI layers.
- » MySQL was set up on EC2 instances across AZs for High Availability.
- » Custom automation was written for the auto-failover of MySQL instances.
- » Additionally, the MS SQL standard was run on EC2 in mirroring mode across AZ for high availability.
- » Failover of the DB was also automated and tested by leveraging Route53 private hosted zone with Lambda, which was configured to update the DNS in case of failover.
- » Microsoft Active Directory was hosted in two AZs for high availability and synced with on-premises AD.
- » Site-to-site VPN connection with on-premises to send the logs to Splunk for log analysis.
- » Native backups were set up on the database setups and configured to go to AWS S3.

Reaping Rewards

- » Today, the migrated workloads are running successfully on AWS without any downtimes.
- » After the successful implementation of the solution, the client has achieved 99% application availability on Cloud.
- » Applications response time has improved.



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