

## Case Study #1- Relation Database Service (RDS on MySQL) for a Web Marketing Company

Our customer is a SMB web marketing company which is providing web development, SEO, marketing services to other customers. They run a number of workloads on Cloud but primarily on an IaaS format. The customer was facing a number of problems while scaling their workloads in an IaaS environment. They had to engage a full-time database administrator to manage their compute instances on cloud.

Biz Digital IT helped the customer in migrating their IaaS workloads to Amazon RDS for MySQL. By using a fully managed Relation Database Service helped the customer to engage the database administrator to optimize SQL queries and other value-added work. They were able to utilize RDS and AWS system manager to automate the upgradation and regular maintenance of their Amazon RDS instance. This helps them better availability of their infrastructure and also a better performance to cost ratio as compared to an IaaS service deployment.

**AWS Services used** – Amazon EC2, Amazon EBS, Amazon RDS, Amazon S3, AWS config, Amazon CloudWatch, Amazon Lambda, AWS CloudTrail, Amazon VPC

## Case Study #2- Relation Database Service (RDS on PostgreSQL) for a Software Development Company

Our customer is a software development company based out of Chandigarh in India. They provide web and mobile application development services to their end customers. Customer was using PostgreSQL as the backend database for their flagship mobile application. This mobile application was deployed for a global banking customer. Initially PostgreSQL was deployed on an Amazon EC2 r5.2xlarge instance in EU Region. Customer was facing challenge of scaling of the database and also due to regulatory requirement they have to keep a separate instance for high availability. The overhead of managing multiple instances, taking snapshots for backup, making read replicas and shards was becoming challenging for them.

Biz Digital IT proposed Amazon RDS to our customer to help them offset infrastructure headache to Amazon RDS. Using Amazon RDS our customer can better meet compliance requirements and maintain a standard and consistent security posture for all Amazon RDS instances for a regulated environment. During time of peak traffic they now automatically scale the DB instances by using read replicas.

Going forward we are proposing the customer to opt for 1 year or 3 year Reserved Instance to optimize overall cost advantage to the customer.

**AWS Services used** – Amazon EC2, Amazon EBS, Amazon RDS, Amazon S3, AWS config, AWS System Manager, Amazon CloudWatch, Amazon Lambda, AWS CloudTrail, Amazon API Gateway, Amazon VPC