R SYSTEMS

CLIENT:

ieIMPACT

BUILT A CLOUD-BASED APPLICATION ON AWS

Helped **ieIMPACT Technologies** increase productivity and reduce cost of operations, by lowering delivery times using a **fast**, **reliable** & **scalable** AWS Cloud-based application.

Problem Statement

ieIMPACT's system was not scalable, fast or reliable because the servers were on a shared hosting model, thus impacting the customers and hurting employee productivity.

Business Need

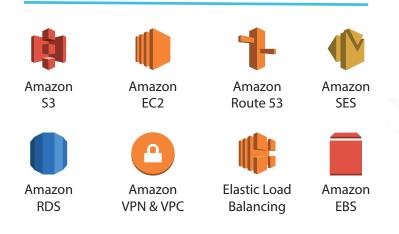ieIMPACT needed a Cloud based system that:

- Is fast, reliable & scalable

- Can serve its US-based customer base of real estate appraisers – 24/7

- Can effectively communicate to its customers without any downtimes during routine tasks like server upgrades, etc.

Solution Approach

- Multiple servers were deployed under VPC in East & West zones, and complemented with backup process using S3, EC2 snapshots and mySQL database

- Ported their legacy app to AWS using 6 EC2 instances – 3 in West & 3 in East regions, with 1 small instance in each zone for static site (for marketing purposes), and 2 instances total – 1 for dynamic site (medium instance) and 1 for mySQL DB (large instance)

- Plus 1 TB of EBS Storage for each zone was added. Some Scripts were added for periodic mirroring & backups

- Added Route 53 for faster domain and SES for better email deliverables

Benefits

- Increased productivity & reduced cost of operations, by lowering delivery times

- 24/7 data-entry service for real estate appraisers

- Shorten the downtime to bare-minimum when in need with multiple zones and backup snapshots

- Delivered reliable & scalable AWS Cloud-based application in low budget to meet client's growing business needs

Technology Stack

Amazon S3	Amazon EC2	Amazon Route 53	Amazon SES
Amazon RDS	Amazon VPN & VPC	Elastic Load Balancing	Amazon EBS