

# Broadridge Financial application Migration to cloud

## Objective

Migration of on-premise Java and .Net based 3-tier application to AWS. Keeping in view the varied and multi-level Integration abiding to all security and compliances.

## Scope

- Assess Application
- Build a Business Case
- Develop a Technical approach
- Adopt a Flexible Integration Model
- Address compliance, security, privacy and data residency requirements
- Manage the migration
- Evaluate AWS services for migration

## Challenges

- Cost and saving analysis
- RDS HA and Backup
- 20 years old Architecture and code
- Service levels
  - Application Performance
  - Application Security
  - Application Scalability
- Performance and resiliency - Design Application Load balancing with HA

## Technology

- Route53
- Application Load Balancer
- EC2
- S3
- SES
- ECS Cluster
- RDS, Jenkins
- Terraform
- Chef.

## Benefits

- No need to maintain inhouse datacentre
- Reduce number of support staff
- On-demand Scaling of Resources
- Revenue impact – Savings on Operation cost as Applications Servers are scaled only during 8hrs for weekday and for rest of time only couple of instances are running
- Customer satisfaction – Improved availability and better response times of application, reduced operational cost

## Key features

- According to recent stats, it is estimated that by 2020, more than 1/3rd of the data will pass through the cloud. Well, it would be better to learn swimming than to sink.