



## DOC-001 - Provide Architecture diagram designed with scalability and high availability

## **General Objective:**

To design and implement a solution on AWS that allows migrating the customer's current workloads, including applications and databases, improving the performance and availability of the service.

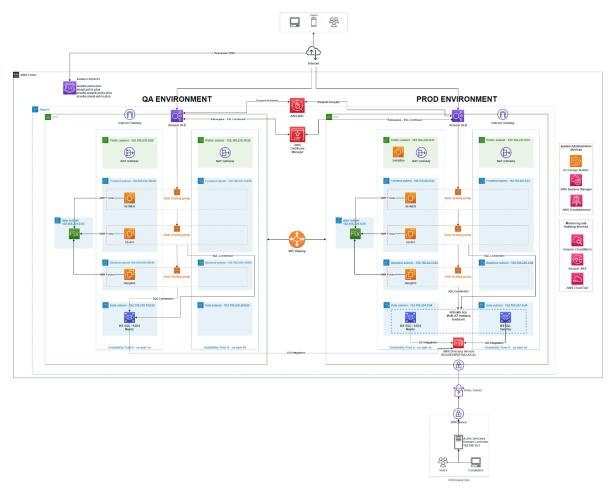
This solution should allow the solution to be decoupled into separate components, including the application layer, database, and authentication

The architecture used for the implementation of Seguros Patria tool has the following main components:

- Microsoft SQL Server Database
- Microsoft IIS Server
- Microsoft Active Directory
- · Elastic Block Store
- · Elastic Load Balancer
- Certificate Manager
- Route53
- WAF
- · Systems Manager







The solution is currently deployed in an Availability Zone in the us-east region at the request of the Seguros Patria technical team, but the architecture is designed to scale and work across two Availability Zones.

The decision to work in a two Availability Zone is due to the requirement to reduce the operating costs of that solution. In order to dynamically manage horizontal growth, Amazon FSx for Windows was used, with the aim of using the AWS dynamic and managed storage space for the storage of assets (images, files, etc.).