

DOC-001 - Provide Architecture diagram designed with scalability and high availability**General Objective:**

To design and implement a solution in AWS that allows the creation of a solution for reading and processing documents to be able to store the information in a database.

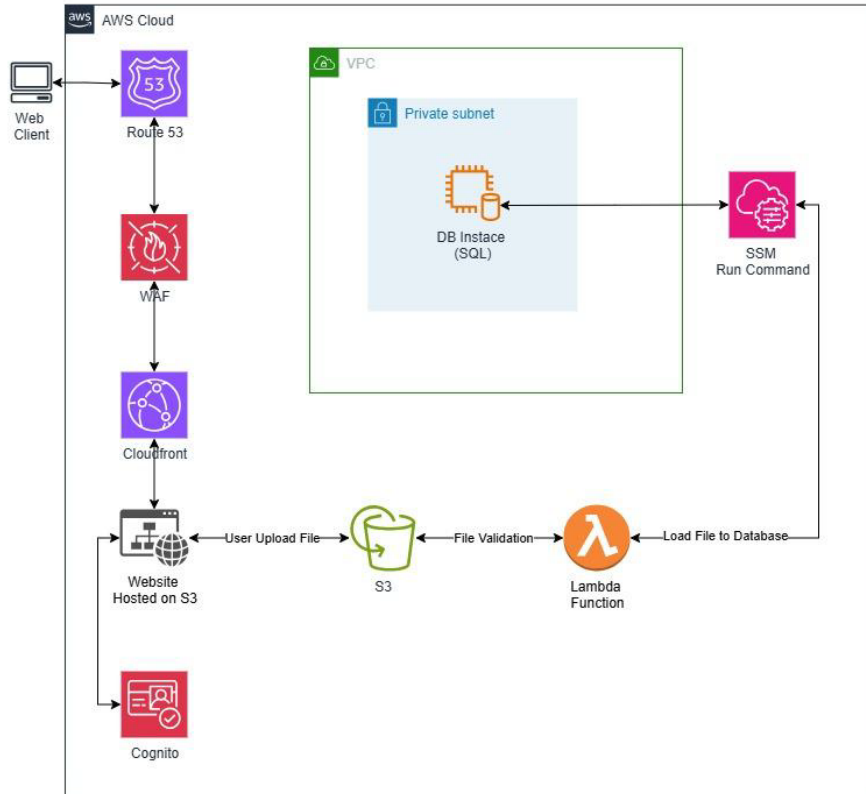
This solution should allow documents to be uploaded through a web portal, then these documents are processed and stored in a SQL database according to a predefined structure.

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

- Route53
- WAF
- Cloudfront
- Cognito
- S3
- Lambda
- Systems Manager
- EC2

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Diagrama General





The solution is currently deployed in an Availability Zone in the us-east region at the request of the Sentinel/Smartsoft 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