

SMART AC5



TEAM NAME and MEMBER DETAILS

Maryam Baabdullah (cloud architecture)

nasser alabdusalam (network engineer)

asmaa aldossary (web application developer and data science)

zainab haddadi (programmer and front end)

THEME: *Finance*

PROBLEM STATEMENT

Facilitating customer financing service by banks with several types of loans, including personal financing, corporate financing, and others since it face problems related to the speed of procedures and the request for financing

SOLUTION

Facilitating customer financing service by banks with several types of loans, including personal financing, corporate financing, and others, and collecting several services commensurate with the customer and his information in administrative systems and linking them with banks, and facilitating obtaining several services from multiple banks from one platform.

Connecting the customer with several banks that provide him with this service and show him in proportion to his practical information so as to facilitate the customer's request and procedures, and be faster in reaching several customers in record time.

The important impact of this process lies in the speed of access to the service and the satisfaction of the customer and obtaining the largest amount of services starting from facilitating the request for financing, using cloud computing in this system will increase the ratio of work between customers and banks in a faster way and develop all banking services in one platform that combines multiple options as well We have an advantage, which is based on the customer's information, the cloud system will review what is suitable for him in terms of financing

Knowing that cloud solutions are the solution to collecting all this information and facilitating the speed of access and developing the service is the best solution, by collecting information and quickly connecting with the customer, this service will always be available and easy

This idea can be applied effectively, and it will be influential in the money market and finance.

METHODOLOGY

The principle is the speed of access to the service by the customer and the speed of implementation of the request by the bank by linking the customer's information so that it is appropriate to the banking conditions, the use of the cloud platform and linking it to customer information and linking the conditions and the use of classification by artificial intelligence with cloud computing and storing information, whether entered or previously existing, the most important was used Cloud services are as follows :ECS (Server)

Load Balancer

RDS Database (Postgres or mysql)

VPC network

Object storage (S3) We also needed to develop the work and use the Kubernetes (Orchestrator) to suit the size of the work. There is no doubt that the web application fire wall was used in an effective way to serve the construction and linking of the project's website and to secure .

Architecture Diagram

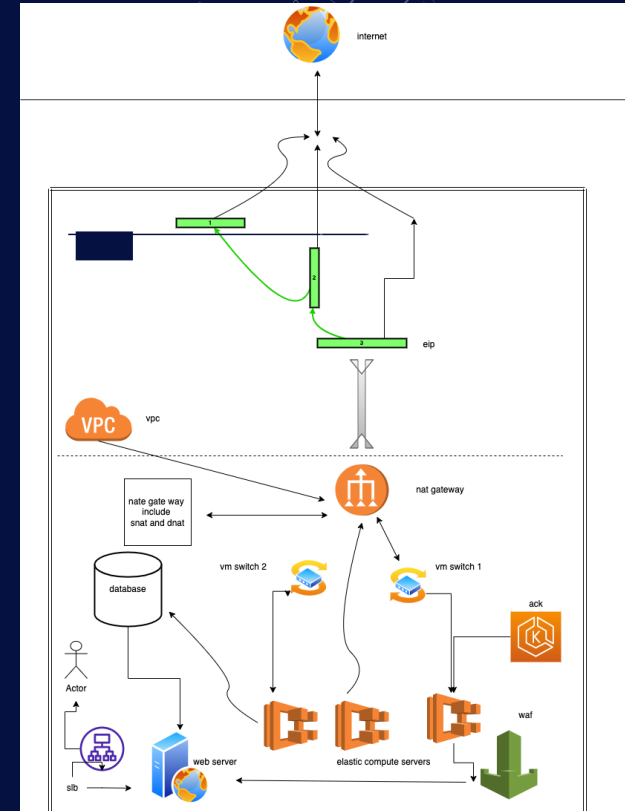
link : <https://cutt.us/YRshp>

Flow Chart

link : <https://cutt.us/l422p>

Wireframes

link : <https://cutt.us/hAncH>



Diagram

WORKING PROTOTYPE

Demo link : <https://youtu.be/PbmiAXNkQHU>

Attachment Video :



Attachments

