SMART VIRTUAL
HACKATHON

Voice Based Forms

A Lex chatbot for filling forms

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Introduction

The objective of this project is to build a voice based form filling applications in which voice gets recognized and converted into text. Voice search is the technology underlying many spoken dialog systems (SDSs) that provide users with the information they request with a spoken query.

The information normally exists in a large database, and the query has to be compared with a field in the database to obtain the relevant information. Such an interface makes the user to fill the form in an easy and precise manner without any confusion.

Objectives

- Building a Chatbot in which Voice gets recognised and translated into text format.
- This chatbot makes an interactive way of filling the forms.
- Chatbot takes the user input's and saves them in different languages in dynamodb.
- Building a Serverless Architecture in Cloud for filling the Voice Forms.

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Technologies & Languages Used

1. AWS
2. Html/CSS/JS
3. Python

1. S3
2. CloudFront
3. Lex
4. Dynamodb
5. Lambda
6. Translate

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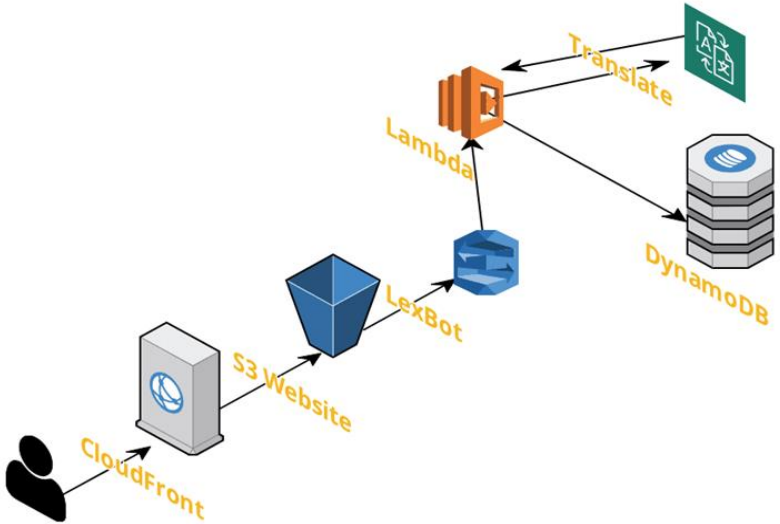
Sprint 1

Solution



AWS Serverless Architecture

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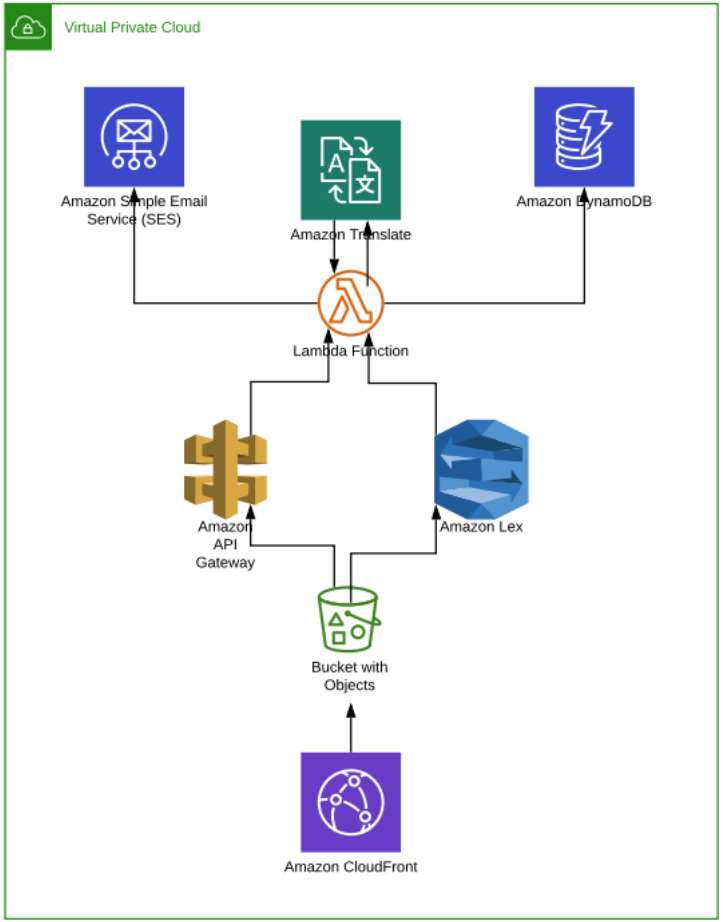
Sprint 2



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Deliverables

IAAC Code

- Developed IAAC with Serverless Framework except for the lex service.
- Single Click await to deploy the template and use it the very next minute you create your form

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Product Completion.

About 90%