IMPLEMENTING A MULTILINGUAL SOLUTION

By Amr Samy

OVERVIEW

This project uses AWS machine learning services to implement a multilingual solution for transcribing, translating and text to speech conversion for audio and video files.

TOOLS USED

AMAZON SAGEMAKER

a fully managed machine learning platform that enables data scientists and developers to build, train, deploy, and manage machine learning models at any scale.

AMAZON TRANSCRIBE

a fully managed automatic speech recognition (ASR) service that enables developers to easily add speech-to-text capabilities to their applications.

AMAZON TRANSLATE

a fully managed machine translation service that enables developers to easily add multilingual capabilities to their applications.

AMAZON POLLY

a text-to-speech service that converts text into natural-sounding speech, allowing you to add voice capabilities to your applications.
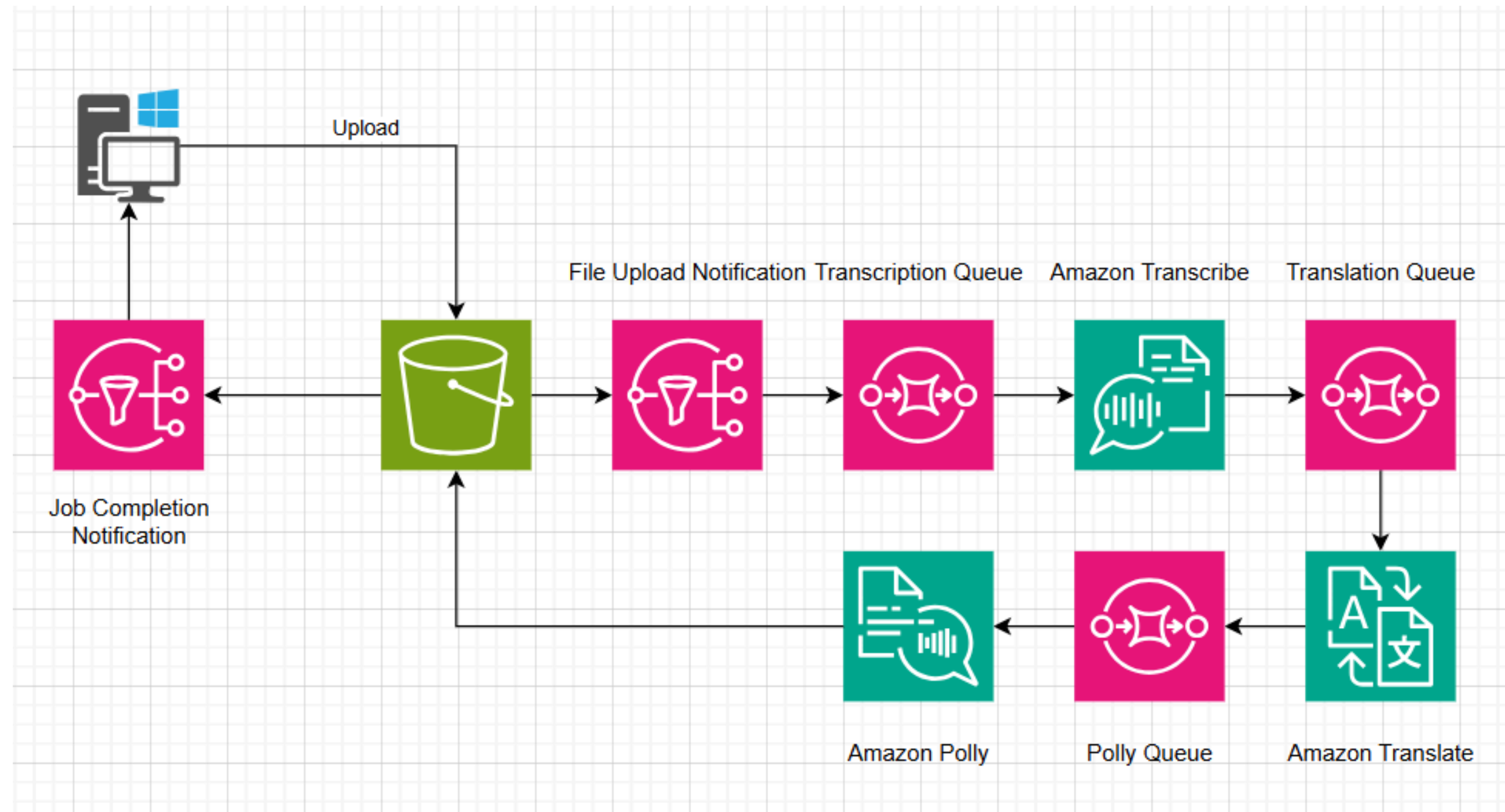
GOALS

GOAL 01

use amazon services to transcribe, translate and convert text to speech of simple examples

GOAL 02

Create a pipeline to translate videos from English to Spanish

SOLUTIN ARCHITECTURE

THANK YOU

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