



Case Study : Hosting Mobile Application on Cloud for Social Network Application

Project Overview

Objective: Improve the overall user experience with Multimedia streaming of the existing evidence based digital health platform

Challenge: Low User Satisfaction due to slow response rate for multimedia.

About The Client:

The client delivers technology solution to both government and commercial customers that helps improve the lives of people in the areas of Poverty alleviation, Education and Health.

Case Survey

Evidence-based digital health platform, targeting Smoking Cessation, with backend - Amazon Server, Front End: Android OS.

Technology



Content Delivery through Edge Servers implemented using CloudFront that reduced download latency.



AWS Lambda (serverless function) introduced for low overhead / cost execution.



Mobile Backend Server hosted on AWS EC2.



HIPAA compliant server and application required encrypted Database and SSL for securing protected health information

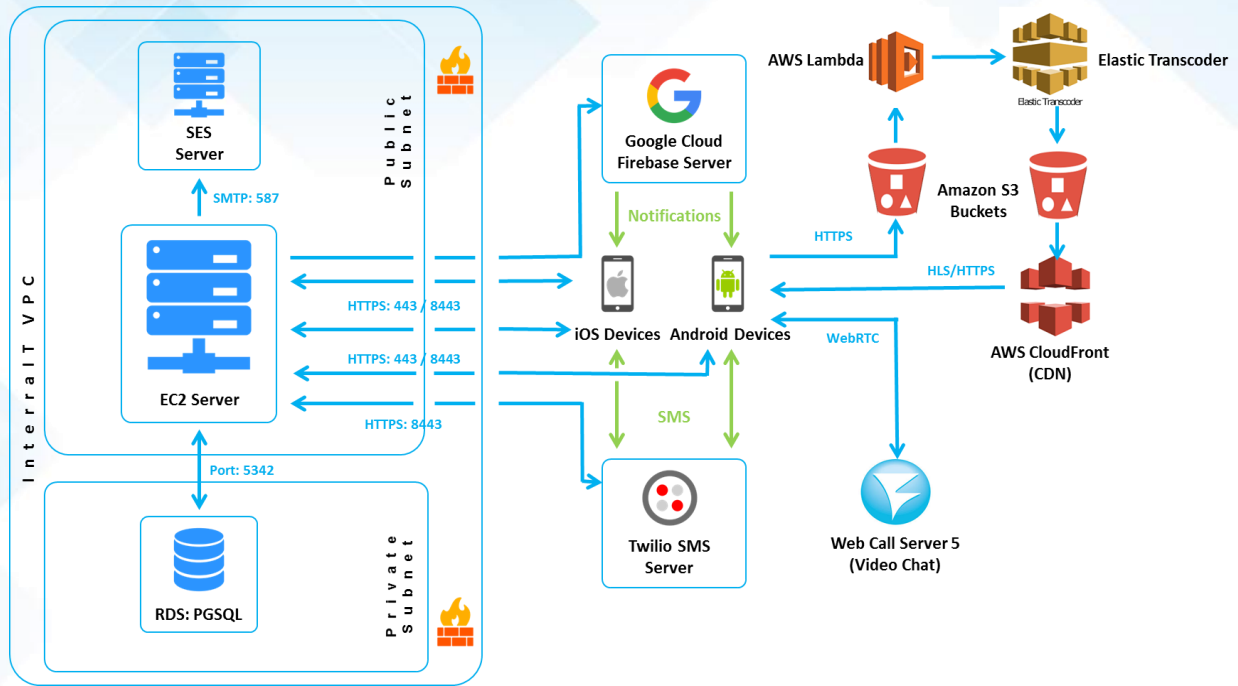


MP4 to HLS conversion done by Elastic Transcoder using Lambda, for streaming multimedia.



Multimedia stored on S3 with upload accelerator.

Detailed Flow



Our Solution

- ❖ Leveraged Cloud based solution for storing the multi media files – S3
- ❖ Use content distribution network for downloading the multimedia to the mobile users – CDN
- ❖ Transcoding the multimedia files into streaming multimedia solution

Business Benefits Delivered



Clustered Database (PostgreSQL) solution using RDS



Fast Upload of Media (Video, Audio and Images) using S3 Accelerator



Enhanced User Experience: Latency reduced by CloudFront to give an impression that the Media is local.



Stream conversion (Elastic Transcoder) using Serverless function(AWS Lambda)



HIPAA Compliant Server and Application

About InterraIT

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