

Project Design Phase-I Solution Architecture

Date	23 rd October 2023
Team ID	NM2023TMID593189
Project Name	Project – Crime Vision
Maximum Marks	5 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Example - Solution Architecture Diagram:

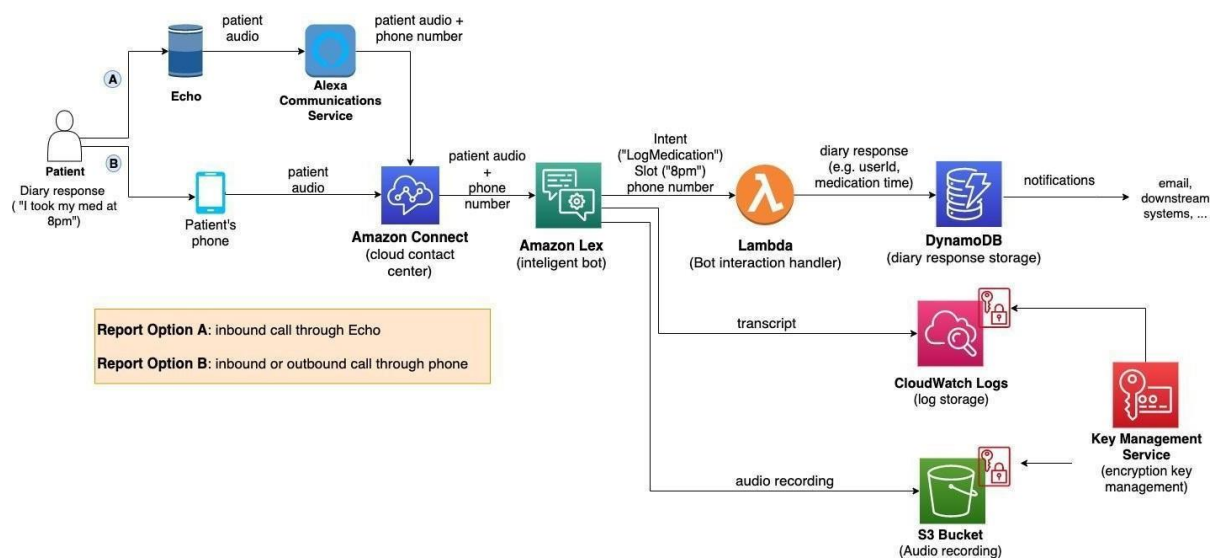


Figure 1: Architecture and data flow of the voice patient diary sample application

Reference:

<https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/>

Crime Vision (Team ID: 593189)

Project Description:

This project uses a special kind of computer technology called deep learning to help identify different types of crimes from pictures and videos. Deep learning is like teaching a computer to recognize patterns in images. We can use it to look at pictures or videos of crime scenes and figure out what kind of crime happened. This is really helpful for police and investigators. It helps them investigate crime scenes better and analyze evidence. It can also be used to watch a lot of video footage and spot any unusual or suspicious activities. This way, they can plan ways to stop crimes from happening in the future.

Solution Architecture Diagram:

