

Project Design Phase-I Solution Architecture

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|---------------|------------------------|
| Date | 16 October 2023 |
| Team ID | 591975 |
| Project Name | Project – Crime Vision |
| Maximum Marks | 4 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:

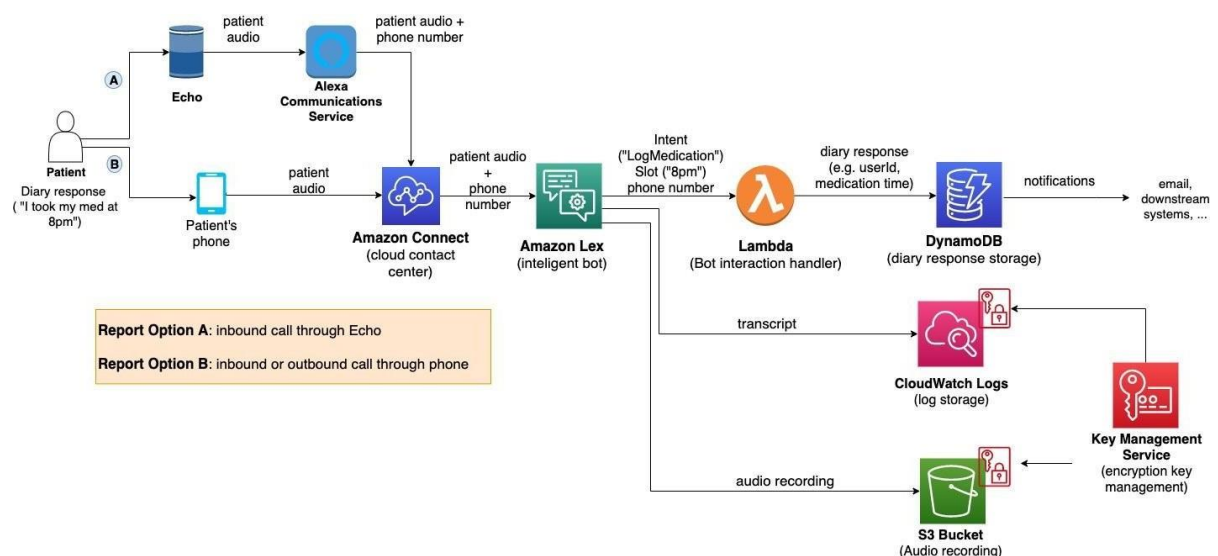


Figure 1: Architecture and data flow of the voice patient diary sample application

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: 591975)

Project Description:

This research helps identify many types of crimes from images and videos by utilizing a unique kind of computer technology called deep learning. Learning patterns in photos is similar to instructing a machine to use deep learning. Using images or videos of crime scenes, we can utilize it to determine the type of crime that occurred. For police and investigators, this is incredibly beneficial. It makes it easier for them to examine evidence and investigate crime scenes. It can also be used to view a large amount of video and identify any odd or questionable activity. They can then devise plans to prevent crimes from occurring in the future.

Solution Architecture Diagram:

