Document Tag Parser & Box.com/eDefender Integration

Team Members: Daniel Guevara-Dominguez | Jesica Lopez De Leon | Luke Williams | Sergio Tapia | Shaocheng Shi | Chuang Huang | Marco De La Torre | Joshua Cabrera | Raul Gallegos | Dang Le
Faculty Advisor: Dr. Lim | Santa Barbara Public Defender Office: Deepak Budwani | Angella Stokke | Bryan Burzon | Sarah Rothschild | Aidan Bassett
Department of Computer Science
College of Engineering, Computer Science, and Technology
California State University, Los Angeles

Box.com & eDefender Integration

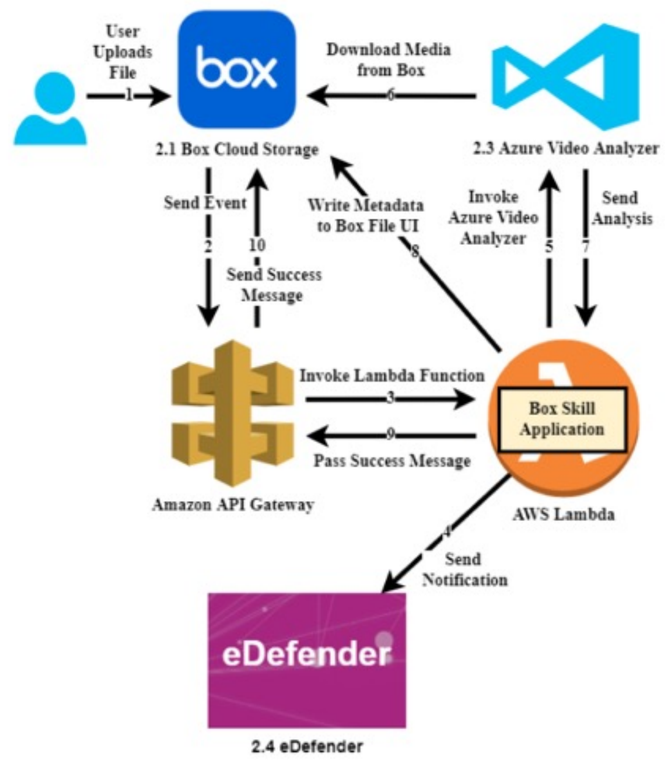
Background

Integrate Box.com cloud service with eDefender case management using Azure Video Analyzer. Attorneys need a transcript of both video and audio files.

Objective

1. Adapt the existing Box skill app to process video and audio using Azure to identify faces & index audio for easy review of case evidence.
2. Add an alert system to integrate with eDefender

System Architecture



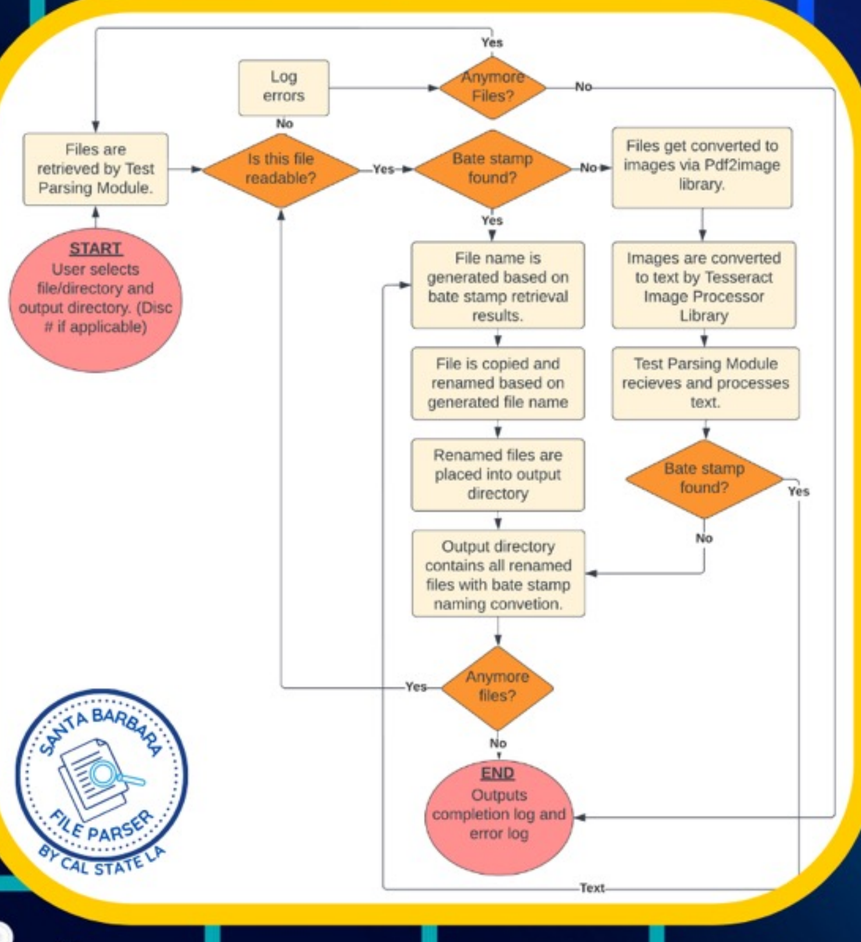
Document Tag Parser

Background

Santa Barbara Public Defender's office manually renames each document they receive based on bates stamp numbers. Approximately 20+ hrs a week is spent on this task.

Objective

1. Build a software application that can automate the process of renaming files.
2. Utilize machine learning and multi-threading to allow processing of images and maximize performance.



Accomplishments

