

Reader Hire Platform Overview

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1. Main Requirement.

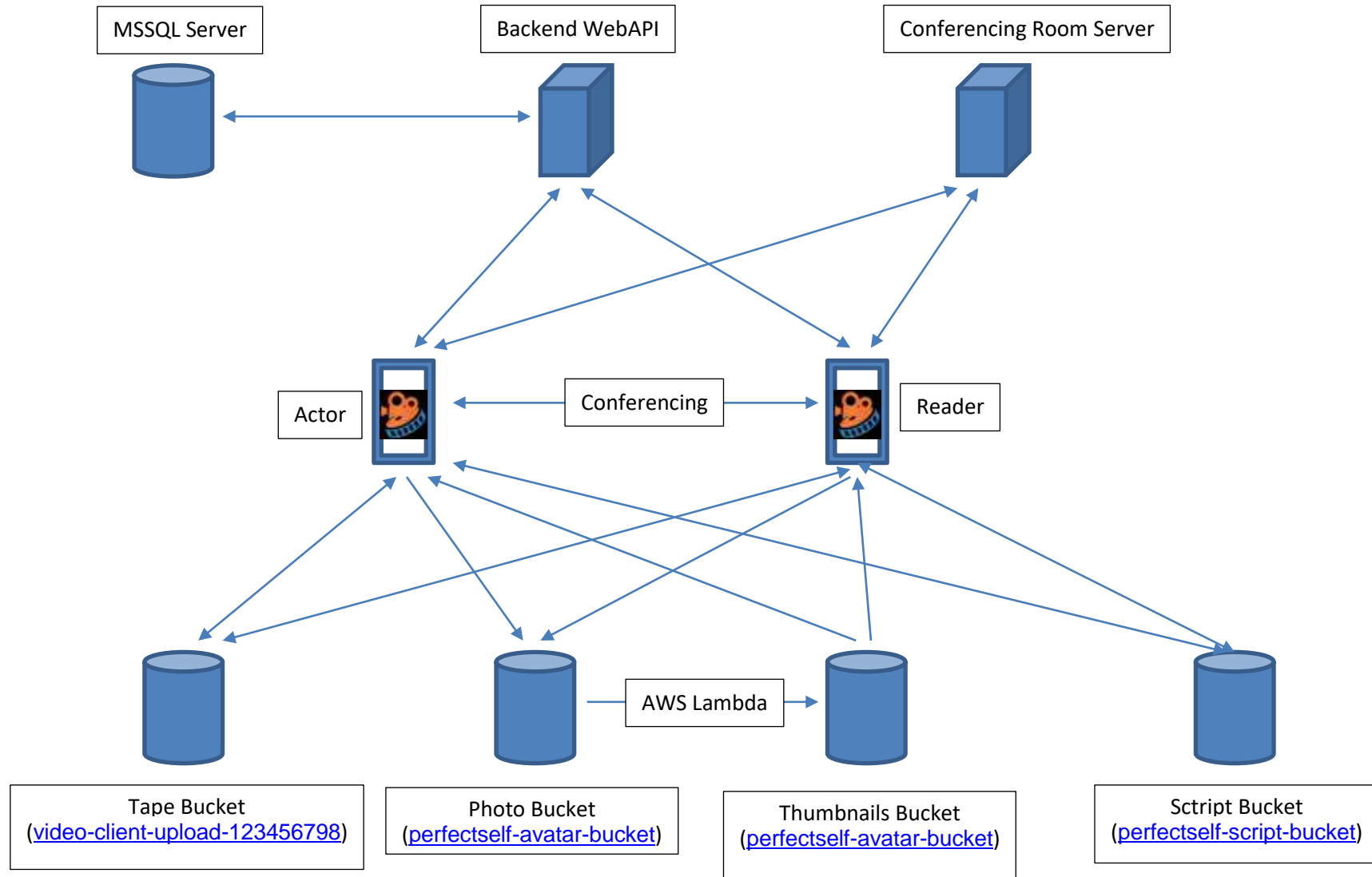
1) Frontend iPhone app with swift

- Management profile of Actor and Reader.
- Booking Conferencing.
- Video conferencing using WebRTC
- Chat with text message
- Recording from local camera(split audio and video)
- Overlay with video&audio of actor and video&audio of reader.
- Upload and download recording result to/from S3 bucket.
- Upload and download user photo to/from S3 bucket(use thumbnails).
- Upload and download script file to/from S3 bucket
- Integration Google Calendar and iCalendar
- Enhance Audio data with cloud API.
- Integration Payment

2) Backend Web API & Database

- .Net Core Web API + C#
- MSSQL Server

2. Platform Infrastructure



3. Microservice with AWS

1) Upload and download recording result to/from S3 bucket.

- **Bucket Name:** video-client-upload-123456798

- **Video Thumbnail Bucket Name:** video-thumbnail-bucket-123456789

Thumbnails will be generate lambda function.

Lambda Function Name	Region
thumbnail-generator	us-east-2

- **Tape key Format**

Video recording object key: {Date}/{RoomID}/{TapeID}/{UserName}.mp4

Audio recording object key: {Date}/{RoomID}/{TapeID}/{UserName}.m4a

Example:

- a) 2023-06-01/9015597c-6137-4593-8eb1-87deaf439587/1719015/Marcelino.mp4
- b) 2023-06-01/9015597c-6137-4593-8eb1-87deaf439587/1719015/Marcelino.m4a

- **Detail comment.**

- a) RoomID: GUID to generate by Server.
- b) TapeID: Time string when record conferencing. That is, hhMMssf
- c) UserName: User name to own this tape.

4. Conferencing Protocol.

(Will be more detail in the future)