



## Solution Breakdown

### Set Up API Gateway

- Create an Express.js route to handle the csv export request.
- Validate the request and push an export csv task for a verified user to the message queue.

### Configure Message Queue

- Set up a message queue service like RabbitMQ.
- Ensure the queue can handle a high volume of tasks.

## **Develop Worker Service**

- Create a service that listens to/consumes the message queue.
- Fetch the membership data, generate the CSV file, and upload it to storage.
- Notify the email service once the CSV file is ready.

## **Set Up Storage Service**

- Configure a storage service like AWS S3 to store the generated CSV files.
- Ensure secure CDN access to the stored files.

## **Configure Email Service**

- Use a service like SendGrid to send emails.
- Implement the logic/module to send an email with the CSV file link or attachment.