client 1

client n

API Gateway

Lambda Handler

AWS KMS

Request queue

Message Verification

SNS Topic tto notify message arrival

Push Notification

1. clients will send messages over https API

2. if encryption required, we will be use AWS KMS to manage the encryption keys

3. Encrypted messages will be queued into AWS sqs for verification process.

4. Another lambda will process the messages from SQS and do verification process.

5. once messages are verified, data will be created in the db store and notification will be sent over sns topic.

6. we can integrate thrid party provider to integration broweser push.

7. notifcation won't have the actual data payload. it will just notify the clients about arrival of new data. clients needs to invoke seperate APIs to get the actual data.