Online Certificate Verification

PROBLEMSTATEMENT:

While applying for different recruitments through online application softcopy uploading of documents like educational qualification, D.O.B proof, category certificate etc. of candidate is required. This result in unnecessary utilization of server space as each of the application requires approx. 2MB storage space and thousands of applications are received. If credentials are verified then & there at the time of application receiving (uploading), It will be beneficial for all stakeholders. Integration solution with generic interface is needed

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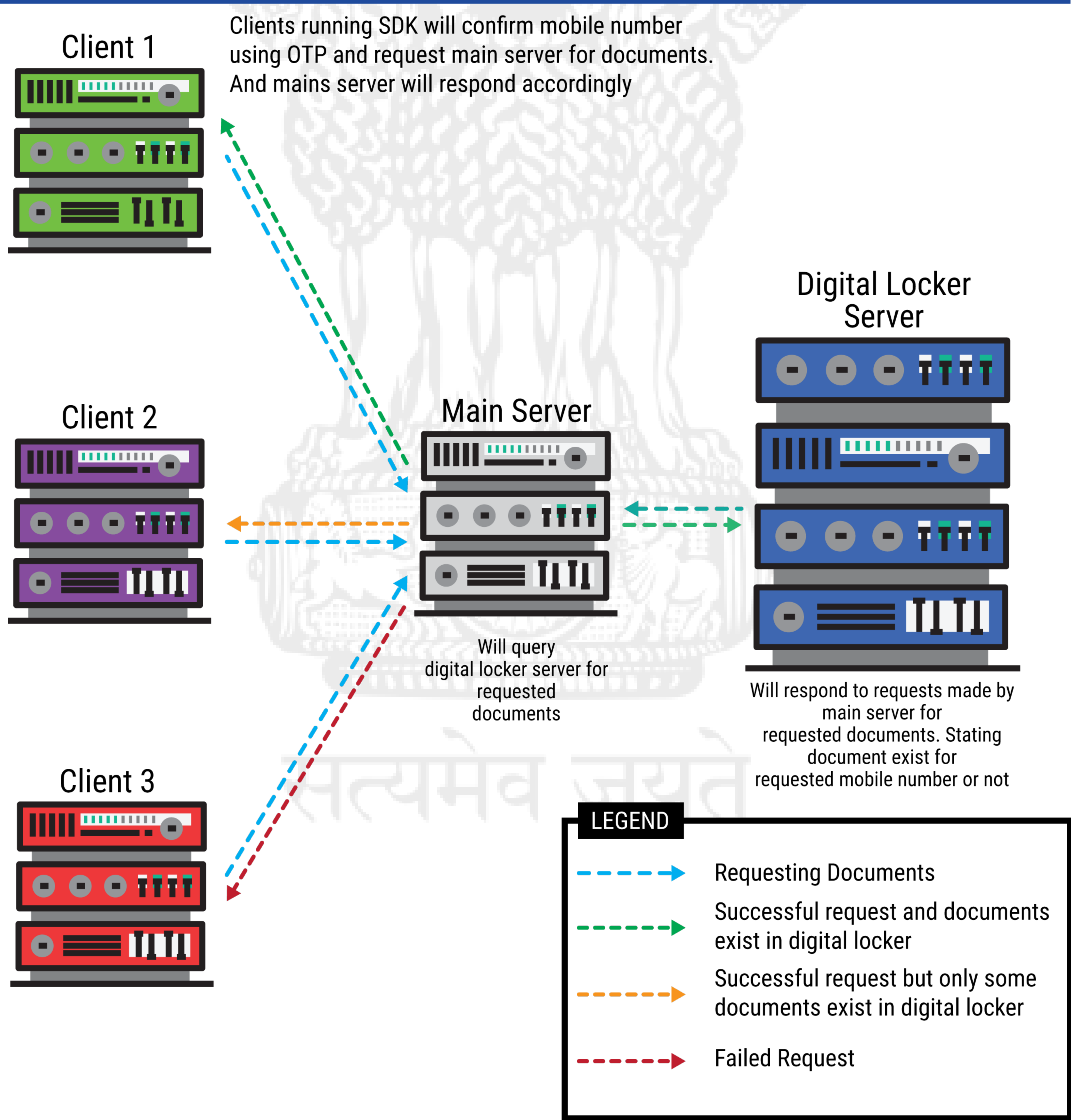
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Our software will be just the solution. It will take the mobile number as an input and will verify the documents already stored on the government servers, which will save the candidates the trouble of uploading documents.
1. Client Server using our SDK will verify mobile using OTP. And after that client will request our server.
2. After receiving request our server is going to validate the request and after successful validation, the server is going to query the digital locker and validate files.
3. And after the successful response, the main server is going to respond back to client-server.

PROTOTYPE

Client 1

Clients running SDK will confirm mobile number using OTP and request main server for documents. And mains server will respond accordingly

Digital Locker Server

Client 2

Main Server

Will query digital locker server for requested documents

Will respond to requests made by main server for requested documents. Stating document exist for requested mobile number or not

Client 3

LEGEND

- - - - → Requesting Documents

- - - - → Successful request and documents exist in digital locker

- - - - → Successful request but only some documents exist in digital locker

- - - - → Failed Request

CLIENT END DEVELOPMENT
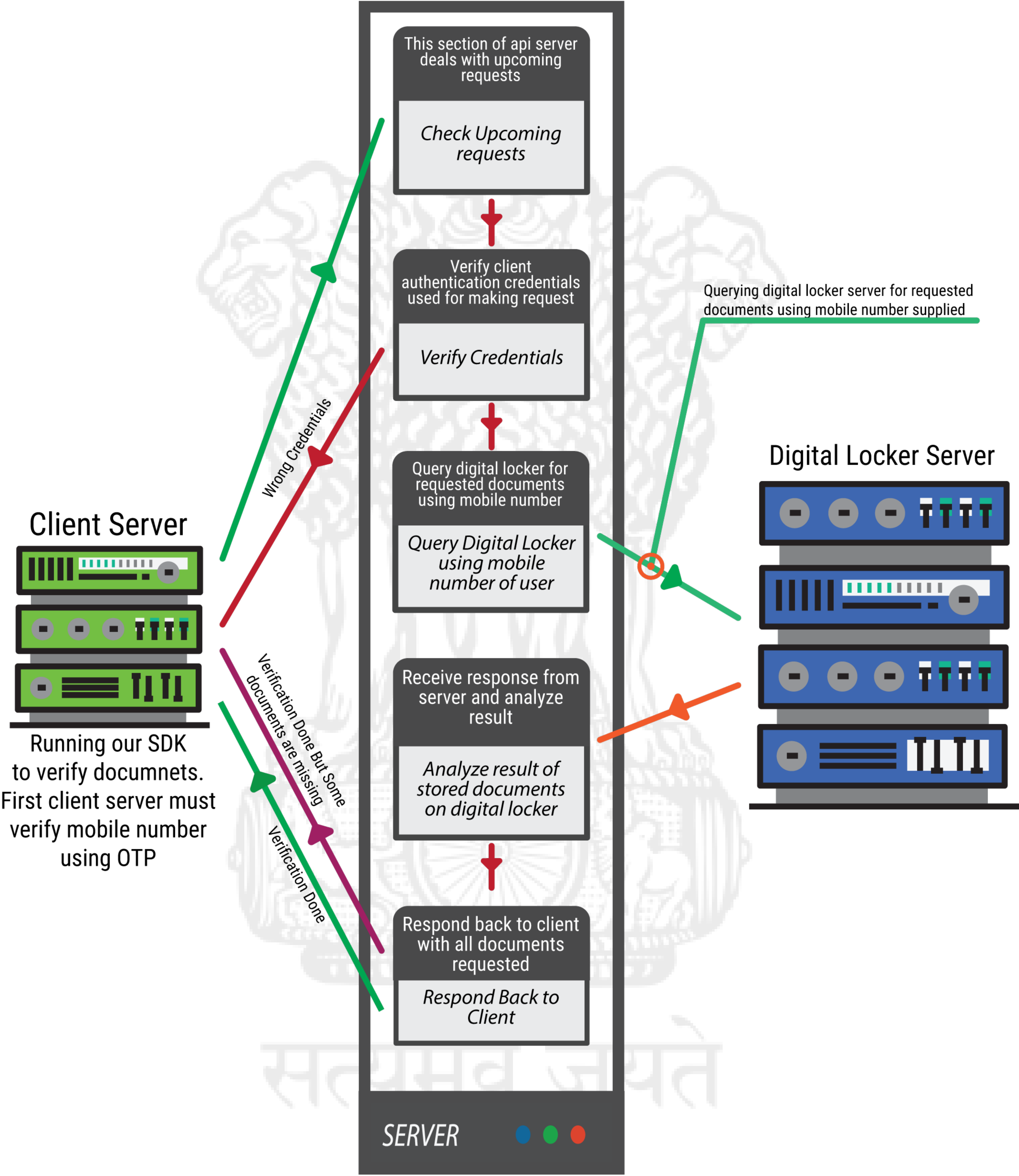
- JAVA or PHP :
    Our SDK running on client server and is going to query main server.

BACKEND DEVELOPMENT

- PHP or JAVA :
    Used for backend and also for implementation of logical code of SDK.

- JAVA Servlets :
    For designing http request listeners on JAVA.

- DATABASE, such as Mongo DB or MySql :
    Helps in storing query structures and also client data.

MISCELLANEOUS

- A Domain Name :
    Will allow users to easily access our server for http request.

- Server :
    Capable of handling multiple requests to SDK and with maximum uptime. Allowing clients to access service anytime.

- DIGITAL LOCKER :
    Access to digital locker repository and documents to process requests with proper security measures

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This section of api server deals with upcoming requests

Check Upcoming requests

Verify client authentication credentials used for making request

Verify Credentials

Querying digital locker server for requested documents using mobile number supplied

Query digital locker for requested documents using mobile number

Query Digital Locker using mobile number of user

Digital Locker Server

Receive response from server and analyze result

Analyze result of stored documents on digital locker

Respond back to client with all documents requested

Respond Back to Client

Wrong Credentials

Verification Done But Some documents are missing

Verification Done

Client Server

Running our SDK to verify documnets. First client server must verify mobile number using OTP

SERVER

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Thank You