Digitap.ai Validation API Suite API Doc & Integration Guide

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A jumpstart guide to boosting your Business

Save Time, Save Cost

Table of Contents

1 Introduction 1.1 Validation API Suite Introduction			
2 API Documentation 2.1 Introduction 2.2 Authentication 2.3 URLs 2.4 API Request & Response Format 2.5 HTTP Status/Response Codes and its response body format 2.5.1 Error Messages 2.6 API Result	4 4 4 5 5 6 7		
3 KYC - PAN Basic API 3.1 API Introduction 3.2 API Request 3.3 API Success Response 3.3.1 Successful Validation (result_code 101) Case 3.3.2 Unsuccessful Validation Cases 3.4 API Failure Response	8 8 9 9 10 11		
4 KYC - PAN Advanced Details API 4.1 API Introduction 4.2 API Request 4.3 API Success Response 4.3.1 Successful Validation (result_code 101) Case 4.3.2 Unsuccessful Validation Cases 4.4 API Failure Response	11 11 13 13 15		
5 KYC - VoterID Validation API 5.1 API Introduction 5.2 API Request 5.3 API Success Response 5.3.1 Successful Validation (result_code 101) Case 5.3.2 Unsuccessful Validation Case 5.4 API Failure Response	16 16 17 17 20 20		
6 KYC - Passport Validation API 6.1 API Introduction 6.2 API Request 6.3 API Success Response	20 20 20 21		

6.3.1 Successful Validation (result_code 101)Case & Application Re	•
108) Case	21
6.3.2 Unsuccessful Validation Cases	23
6.4 API Failure Response	23
7 KYC - Aadhaar Number Validation API	24
7.1 API Introduction	24
7.2 API Request	24
7.3 API Success Response	25
7.3.1 Successful Validation (result_code 101) Case	25
7.3.2 Unsuccessful Validation Cases	25
7.4 API Failure Response	26
8 KYC - PAN AADHAAR Link Validation API	26
8.1 API Introduction	26
8.2 API Request	26
8.3 API Success Response	27
8.3.1 Successful Validation (result_code 101) Case	27
8.3.2 Unsuccessful Validation Cases	28
8.4 API Failure Response	29
8.5 Additional Notes	30
9 KYC - Vehicle RC Validation API	30
9.1 API Introduction	30
9.2 API Request	30
9.3 API Success Response	31
9.3.1 Successful Validation (result_code 101) Case	31
9.3.2 Unsuccessful Validation Cases	36
9.4 Additional Notes	36
10 KYC - Driving Licence Validation API	37
10.1 API Introduction	37
10.2 API Request	37
10.3 API Success Response	38
10.3.1 Successful Validation (result_code 101) Case	38
10.3.2 Unsuccessful Validation Cases	41
10.4 Additional Notes	42

1 Introduction

This document is intended for our enterprise partners who can easily integrate the services they have chosen with Digitap.ai. Using this document they can jumpstart their business processes and start using the Digitap.ai services as early as possible and also align their own business processes seamlessly by integrating and making changes to their backend.

1.1 Validation API Suite Introduction

Digitap.ai Validation API Suite provides APIs to validate the various aspects of an end customer or business including

☐ KYC Details (Know Your Customer Details)
PAN, Aadhaar, VoterID, Passport, Driving licence
□ Social Details*
Facebook, Whatsapp
☐ Assets*
Mobile Number, Vehicle RC
(* - coming soon)

Note: Digitap.ai reserves the right to modify this API documentation from time-to-time. If you are a business using this Service, you will be notified well in advance, prior to any change is made.

2 API Documentation

2.1 Introduction

Digitap.ai Validation Suite provides RESTFul/standard HTTP Web APIs which help to validate a specific data point by providing the response <u>synchronously</u> in the same API Call. The API uses the standard HTTP status/response codes to indicate the success or API errors.

2.2 Authentication

To use API, one needs to register with Digitap and get a client id & client secret key. The client ID & secret key are different for the UAT & production environment.

2.3 URLs

Following is the base URL for UAT & production Environment.

Production Env	https://svc.digitap.ai/validation/
UAT/DEMO Env	https://svcdemo.digitap.work/validation/

Following are the URLs for various APIs:

<base_url>/kyc/v1/pan_basic</base_url>	For validating basic PAN card data (PAN Number & Name)
<base_url>/kyc/v1/aadhaar</base_url>	For validation Aadhaar
<base_url>/kyc/v1/voter</base_url>	For validation voter ID
<base_url>/kyc/v1/passport</base_url>	For validating passport
<base_url>/kyc/v1/pan_aadhaar_li nk</base_url>	For validating link between PAN and AADHAAR number
<base_url>/kyc/v1/rc</base_url>	For Vehicle RC validation
<base_url>/kyc/v1/dl</base_url>	For driving licence validation

2.4 API Request & Response Format

- Both the input request and response follow the JSON format.
- In each APIs input, a client reference number is accepted to easily identify the given request from a client and the same is also mirrored in the output. The other parameters required in the input and their format are explained in specific APIs.
- The API error is normally returned as standard HTTP Status/Response Codes and also mirrored in the body of the response.
- When the API request is accepted, HTTP status code 200 is returned and whether the
 validation is successful or not is returned in the result_code. The various possible values
 of the validation is explained under the section "API Result"
- In all the responses, an unique request-id (unique UUID) would be returned, which can be used for easier debugging in the future. Clients are requested to provide this request-id when raising an issue or discussing the response.

2.5 HTTP Status/Response Codes and its response body format

The API Error Codes are returned as HTTP Status Codes. Following status codes would be returned by the APIs.

Code	Message	Description
200	ОК	Request Successful
		(Note: 200 does not mean that Validation is success, but indicates that the request is successful. result_code in the Response body indicates whether the validation is successful or not).
400	One or more parameters format is wrong	Input parameter passed by the customer is missing or invalid
401	Client Authentication failed	Access to API is denied
500	Internal Error	Internal Server Error identified through its number
503	Website is in maintenance	The source for authentication is down for maintenance or inaccessible.
504	Endpoint request Timed out	The response latency from the source for authentication is >30sec.

Format of the response body for successful request case (http Status code 200) is like below:

```
{
    "http_response_code": 200,
    "client _ref_num": "abcd123",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",

    "result_code":nnn,

    // Optional items based on result_code
    "result":nnn,
    "message":"yyy",
}
```

Format of the response body for failure cases (http Status code other than 200) is like below:

```
{
    "http_response_code": nnn,
    "client _ref_num": "abcd123",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "error": "xxxxx
}
```

2.5.1 Error Messages

Error messages for each of the failure cases is given below:

Code	Error Message
400	One or more parameters format is wrong or missing
401	Client Authentication Failed
500	Internal Error 1/2/3
503	Website is in maintenance
504	Endpoint request Timed out

Please see the respective APIs for any additional details.

2.6 API Result

When the API returns HTTP status code 200/OK, the API request is accepted and result of the request is provided in the key called "result_code" in the response body:

```
{
    "http_response_code": 200,
    "client _ref_num": "abcd123"
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": nnn,
}
```

Various possible values of **result_code** and is tabled below:

result_code	Description
101	Validation Successful
102	Invalid id number or combination of inputs
103	No record found for the given input
104	Source failed to respond with proper details
105	Unexpected Response from source
106	Multiple records exists
108	If the user's application is rejected

Please see the respective APIs for details of which result code occurs in the specific API.

3 KYC - PAN Basic API

3.1 API Introduction

This API helps to validate the basic details of PAN card Holder - PAN Number and Name of the PAN Card Holder. This API returns a success response if the PAN exists in the NSDL database and returns the Status of PAN (Active/Invalid) and the name is matched exactly as per request data.

3.2 API Request

• Method: POST

• Header:

Key	Mandatory/Optional (M/O)	Value
content-type	М	JSON/application

authorization	М	Type: Basic Auth, Username:client_id, password:client_secret / BasicBase64encodedValueOf
		(client_id:client_secret)

• Request Body:

Key	Mandatory/ Optional (M/O)	Value
client_ref_num	М	Unique ID for the OCR request from the Client side [Max of 45 chars]
pan	M	PAN Number to be authenticated minLength: 10 maxLength: 10 Pattern: ^[A-Za-z]{4}[A-Za-z]{1}\d{4}[A-Za-z]{1}\$
name	0	Exact name as per PAN minLength: 1 maxLength: 150
name_match_method	0	Either `fuzzy` or `exact`. Default: `exact` `exact` - character to character name matching `fuzzy` - dynamic rule engine based matching

3.3 API Success Response

3.3.1 Successful Validation (result_code 101) Case

When the PAN details are matched, result_code 101 would be returned. The response format for the same is as follows:

```
{
    "http_response_code": 200,
    "client _ref_num": "abcd123"
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": 101,
    "result": {
```

```
"pan":"DQEPJ7722Q",

"status":"Active",

"name":"JOHN DOE",

"name_match":true
}
```

Keys of Result Object are explained below:

Key	Value	
status	Status of the PAN (Active / Invalid)	
name	Name of PAN card holder (as per NSDL database)	
name_match	Whether the given name matches with the name as per NSDL Records. It would have one of the following values: true - name is exactly matching with NSDL Records false - name is NOT exactly matching with NSDL Records null - in case name not provided or `exact` matching not requested. (See Note 1 Below)	
name_match_score	Name matching score based on the rule engine output. Values range from 0 - 100 null - in case name not provided or `fuzzy` matching not requested.	

Note:

- Digitap validates the PAN & Name from various sources and chooses the best source available at that time. If the source used for validation does not return the name as per PAN, no value will be returned.
- Either `name_match` or `name_match_score` will be present in the response payload based on the type of `name_match_method` you have opted for.

3.3.2 Unsuccessful Validation Cases

The following response would be provided in case if the PAN could not be validated

1. If there is no record found for the given PAN number, then the below response would be provided.

3.4 API Failure Response

In case of Failure, the response as explained in the <u>Section 2.5</u> and error messages as defined in the <u>Section 2.5.1 Error Messages</u> would be returned.

4 KYC - PAN Advanced Details API

4.1 API Introduction

This API helps to validate all the details of PAN card Holder - PAN Number, Date of Birth and Name of the PAN Card Holder. Along with this API also gives detailed information related to PAN card (Ref 4.3.1). This API returns PAN & DOB are match status and returns the Status of PAN (Active/Inactive/Duplicate) and the name is matched exactly as per input or not and also the detailed information like pan display name, first name, middle name, last name, PAN status code, PAN aadhaar seeding status etc(Ref 4.3.1).

Note: Currently, this API validates only the **Individual PAN Details** (i.e. the fourth letter of PAN Number is 'P'). If any other type of PAN needs to be validated, please discuss with the Business Team.

4.2 API Request

Method: POST

Header:

Key	Mandatory/Optional (M/O)	Value
content-type	M	JSON/application
authorization	М	Type : Basic Auth, Username:client_id, password:client_secret /

• Request Body:

Key	Mandatory/ Optional (M/O)	Value
client_ref_num	М	Unique ID for the OCR request from the Client side [Max of 45 chars]
pan	М	PAN Number to be authenticated minLength: 10 maxLength: 10 Pattern:
		^[A-Za-z]{3}[pP]{1}[A-Za-z]{1}\d{4}[A-Za-z]{1}\$
		Note: PAN number should be individual PAN - (i.e. the fourth letter of PAN Number is 'P')
dob	0	Date of birth as per PAN Format: DD/MM/YYYY Note: Field is mandatory in "match" mode
name	0	Exact name as per PAN minLength: 1 maxLength: 50 Note: Field is mandatory in "match" mode
mode	0	"match" or "detail"
		Note: By default "match" mode is activated where dob and name parameters are mandatory Description: 1. When "match" mode is activated along with PAN card details, name match and dob match is done with the input name and dob. 2. When "detail" mode is activated input name and dob are optional parameters and if available name match and dob match will be done also PAN card details will be provided

4.3 API Success Response

4.3.1 Successful Validation (result_code 101) Case

When the PAN details are matched, result_code 101 would be returned. The response format for the same is as follows:

```
"http_response_code": 200,
"client _ref_num": "abcd123"
"request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
"result_code": "101",
"result": {
   "status": "Active",
   "name match": true,
   "dob_match": true,
   "first name":"XXX",
   "middle_name":"YYY",
   "last_name":"ZZZ",
   "display_name":"XXX YYY ZZZ",
   "pan_status_code": E,
   "pan_title":"abc",
   "pan_last_update_date":"DD/MM/YYYY",
   "name match score": 0.8,
   "pan_aadhaar_seeding_status": Y
},
```

Keys of Result Object are explained below:

Key	Value
status	Status of the PAN (Active/Inactive/Duplicate)
name_match	Whether the given name matches with the ITD Records. It would have one of the following values: true - name is exactly matching with ITD Records false - name is NOT exactly matching with ITD Records null - name match not done (See Note 1 Below)
dob_match	Whether the given date of birth matches with the ITD Records: true - dob is matching with ITD Records false - dob is NOT matching with ITD Records null - dob match not done (See Note 1 Below)

first_name	First name of the applicant as per ITD records
middle_name	Middle name of the applicant as per ITD records
last_name	Last name of the applicant as per ITD records
display_name	Name displayed on the physical card
pan_status_code	Status codes are explained in below table(if available)
pan_title	Salutation
pan_last_update_date	PAN records last update date as per ITD records
name_match_score	Fuzzy score match for input name and name as per ITD records(float)
pan_aadhaar_seeding _status	PAN - Aadhaar linking status Note: Status codes are explained in below table

PAN Status Description	Status Code
Deleted	D
Existing and Valid	Е
Existing and Valid but event marked as Acquisition in ITD database	EC
Existing and Valid but event marked as Amalgamation in ITD database	EA
Existing and Valid but event marked as Death in ITD database	ED
Existing and Valid but event marked as Dissolution in ITD database	El
Existing and Valid but event marked as Liquidated in ITD database	EL
Existing and Valid but event marked as Merger in ITD database	EM
Existing and Valid but event marked as Partition in ITD database	EP
Existing and Valid but event marked as Split in ITD database	ES
Existing and Valid but event marked as Under Liquidation in ITD database	EU
Marked as Deactivated	X
Marked as Fake	F
Not present in Income Tax Department (ITD) database / Invalid PAN	N

Inoperative	I
-------------	---

Aadhar Status Description	Value
Aadhaar seeding is Successful	Υ
Aadhaar seeding is Unsuccessful	R
Aadhaar is not seeded	null
Aadhaar seeding Not Applicable	NA

Note 1: Digitap validates the PAN, DOB & Name from various sources and chooses the best source available at that time. Some sources validate the name details, some sources validate DOB, some sources do not. If the source used for validation does not match any field, *null* value is returned. Individual field (name/dob) match is also done based on the client agreement.

4.3.2 Unsuccessful Validation Cases

The following response would be provided in case if the PAN could not be validated

1. If there is no record found for the given PAN number, then the below response would be provided.

```
"http_response_code": 200,
    "result_code": "103",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "message": "No record found for the given input",
    "client_ref_num": "abcd123"
}
```

2. If the chosen source validates both the PAN & DOB together and no record found for the given combination of PAN & DOB, then the response will be in the below format with result_code as 102 and message as "invalid id number or combination of inputs"

```
{
    "http_response_code": 200,
    "result_code": "102",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "message": "invalid id number or combination of inputs",
    "client_ref_num": "abcd123"
}
```

4.4 API Failure Response

In case of Failure, the response as explained in the <u>Section 2.5</u> and error messages as defined in the <u>Section 2.5.1 Error Messages</u> would be returned.

5 KYC - VoterID Validation API

5.1 API Introduction

This API helps to validate whether the given EPIC (voterID) is valid at the query time or not. Along with the validation, this API returns various other details related to the VoterID:

- Name, Age & Gender of the EPIC Holder
- Relative Name and Relative Type (Father/Husband,etc)
- District & State of the EPIC Holder
- Constituency (Assembly & Parliamentary) & Polling Station Details
- Last Updated Date of the Details in Government Database

Note: Please note that this API validates only the **Active Voter / EPIC Cards**. The Old EPIC cards which have been invalidated due to issue of new card (due to new card format issuance) or Constituency Change/Transposition cannot be validated through this API.

5.2 API Request

Method: POST

Header:

Key	Mandatory/Optional (M/O)	Value
content-type	M	JSON/application
authorization	M	Type: Basic Auth, Username:client_id, password:client_secret / Base64encodedValueOf (client_id:client_secret)

Request Body:

Key	Mandatory/ Optional (M/O)	Value

client_ref_num	М	Unique ID for the OCR request from the Client side [Max of 45 chars]
epic_number	М	Epic number present in the Voter ID card minLength: 10 maxLength: 23 Regex: ^(([a-zA-Z]{3}\/?\d{6,7}) ([a-zA-Z]{2}\\d{1,3}\/\d{2,3} \\d{6,7}) ([a-zA-Z]{2}\d{10,12}))\$

5.3 API Success Response

5.3.1 Successful Validation (result_code 101) Case

When the EPIC number is matched and active, result_code 101 would be returned. The response format for the same is as follows:

```
"http_response_code": 200,
"client ref num": "abcd123",
"request_id": "1e1ea598-cd12-11ea-8513-7a889cb4768d",
"result_code": 101,
"result": {
  "epic_no": "Sxxxxxxxxxx",
  "name": "XYZ",
  "name_v1": "XYZ ",
  "name_v2": "",
  "name_v3": "",
  "gender": "M",
  "age": 23,
  "rln_name": "XYZ",
  "rln_name_v1": "XYZ",
  "rln name v2": "",
  "rln_name_v3": "",
  "rln_type": "F",
  "dist_name": "B.B.M.P(NORTH)",
  "dist_name_v1": "ಬಿ.ಬಿ.ಎಂ.ಪಿ ( ಉತ್ತರ )",
  "dist_no": "32",
  "st_code": "S10",
  "st_name": "Karnataka",
  "ac name": "Hebbal",
  "ac_name_v1": "XYZ",
```

```
"ac_no": "158",
     "pc_name": "Bangalore North",
     "pc_name_v1": "XYZ",
     "pc_no": "24",
     "part_name": "YYY"
     "part_name_v1": "YYY, ನಾಗಶೇಟ್ವೆಹಳ್ಳಿ",
"part_no": "82",
     "section_no": "4",
     "slno_inpart": "428",
     "ps_name": "Public School, ",
     "ps_name_v1": "YYY, ನಾಗಶೇಟ್ರೆಹಳ್ಳಿ",
     "ps_no": "82",
     "ps_lat_long": "0.0,0.0",
     "ps_lat_long_0_coordinate": "", "ps_lat_long_1_coordinate": "",
     "id": "Sxxxxxxxxxxxxxxxx,",
     "last_update": "26/12/2019",
  },
}
```

Keys of Result Object are explained below:

Key	Value
epic_no	EPIC Voter ID number to be authenticated
name	Name of the card holder in English
name_v1	Name of the card holder in Vernacular Language
name_v2	Name of the card holder in Vernacular Language
name_v3	Name of the card holder in Vernacular Language
gender	Gender of the card holder
age	Age of the Card Holder in Years
rln_name	Relative Name in English
rln_name_v1	Relative Name in Vernacular Language
rln_name_v2	Relative Name in Vernacular Language
rln_name_v3	Relative Name in Vernacular Language
rln_type	Relationship type: "F" = Father, "H" = Husband

dist_name	District of the Electoral Office in English	
dist_name_v1	District of the Electoral Office in Vernacular Language	
dist_no	District Number	
st_code	State Code	
st_name	State Name in English	
ac_name	Assembly Constituency Name in English	
ac_name_v1	Assembly Constituency Name in Vernacular Language	
ac_no	Assembly Constituency Number	
pc_name	Parliament Constituency Name in English	
pc_name_v1	Parliament Constituency Name in Vernacular Language	
pc_no	Parliament Constituency Number	
part_name	Number of the part (location) in the constituency applicable to the card holder	
part_name_v1	Number of the part (location) in the constituency applicable to the card holder in Vernacular Language	
part_no	Part Number inside the constituency	
section_no	Section of the Electoral Book where the Card Holder name is present	
slno_inpart	Serial Number in the Book where the Card Holder name is present	
ps_name	Polling Station Name in English	
ps_name_v1	Polling Station Name in Vernacular Language	
ps_no	Polling Station Number	
ps_lat_long	Lat Long for the Polling Station (Polling Booth) applicable to the card holder	
ps_lat_long_0_coordinate	Lat Long for the Polling Station (Polling Booth) applicable to the card holder	
ps_lat_long_1_coordinate	Lat Long for the Polling Station (Polling Booth) applicable to the card holder	
id	Unique ID of the card holder [st_code+ ac_no + part_no + section_no + slno_inpart]	
last_update	Last date of update to the records against the given epic_no in Government Records.	

5.3.2 Unsuccessful Validation Case

The following response would be provided in case if the Voter ID could not be validated

1. If there is no record found for the given EPIC number, then the below response would be provided.

```
"http_response_code": 200,
    "client _ref_num": "abcd123"
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": "103",
    "message": "No record found for the given input",
}
```

5.4 API Failure Response

In case of Failure, the response as explained in the <u>Section 2.5</u> and error messages as defined in the <u>Section 2.5.1 Error Messages</u> would be returned.

6 KYC - Passport Validation API

6.1 API Introduction

This API helps to validate the passport details with the provided file number and date of birth of the passport holder.

When the file number related to a passport & DOB is matched, this API provides the matching passport number, name (given name & surname), date of application and date of dispatch. This API also helps to identify rejected passport application file numbers by giving a different result code 108.

From the response, once can match with the passport number, name, date of issuance of the passport present in the Passport.

6.2 API Request

Method: POST

Header:

Key	Mandatory/Optional (M/O)	Value
content-type	M	JSON/application
authorization	M	Type: Basic Auth, Username:client_id, password:client_secret / Base64encodedValueOf (client_id:client_secret)

• Request Body:

Key	Mandatory/ Optional (M/O)	Value
client_ref_num	М	Unique ID for the OCR request from the Client side [Max of 45 chars]
file_number	М	Passport File number minLength:10 maxLength:14 Regex: ^[a-zA-Z]{2}\d{2}[A-Z0-9]\d{10}\$ ^[a-zA-Z]{4}\d{8}\$
dob	М	Date of birth in the passport Format: DD/MM/YYYY

6.3 API Success Response

6.3.1 Successful Validation (result_code 101)Case & Application Rejected (result_code 108) Case

2. When the passport is validated successfully with the given file number and date of birth, the below response will be provided.

```
{
    "http_response_code": 200,
    "client_ref_num": "1234",
    "request_id": "76287f9c-cdae-11ea-85c0-e60fc8f818f8",
    "result_code": 101,
    "result": {
```

```
"file_number": "GZ10xxxxxxxxxxx",

"dob": "06/04/1993",

"passport_number": "Pxxxxxxxx",

"given_name": "XYZ",

"surname": "XYZ",

"application_type": "Normal",

"application_date": "09/09/2016",

"date_of_dispatch": "31/10/2016"

}
```

3. When the given input is validated successfully but the application has been rejected, then the below response would be provided with result_code as 108.

Keys of Result Object are explained below:

Key	Value		
file_number	Individual's Passport file number		
dob	Date of birth in passport		
passport_number	Passport number		
given_name	Given name in passport		
surname	Surname in passport		
application_type	The passport application type Normal/Tatkal		
application_date	Date of application		

date_of_dispatch	Date on which passport issued
------------------	-------------------------------

6.3.2 Unsuccessful Validation Cases

When the passport could not be validated with the given inputs then the following response will be provided.

4. If the file number is an invalid file number, then the response will be in the below format with result_code as 102 and message as "invalid id number or combination of inputs"

```
"http_response_code": 200,
    "client _ref_num": "abcd1234",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": 102,
    "message":"Invalid id number or combination of inputs",
}
```

5. If there is no record found for the requested File Number with specific DOB, then the below response would be provided.

```
"http_response_code": 200,
    "client _ref_num": "abcd1234",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": 103,
    "message":"No record found for the given input ",
}
```

6.4 API Failure Response

In case of Failure, the response as explained in the <u>Section 2.5</u> and error messages as defined in the <u>Section 2.5.1 Error Messages</u> would be returned.

7 KYC - Aadhaar Number Validation API

7.1 API Introduction

This API helps to verify the given Aadhaar number. When the Aadhaar number is validated (exists), then this API provides additional details like Gender, Age Range, Linked Mobile Number (in masked form) and state to which the Aadhaar Holder belongs to.

7.2 API Request

• Method: POST

Header:

Key	Mandatory/Optional (M/O)	Value
content-type	M	JSON/application
authorization	M	Type: Basic Auth, Username:client_id, password:client_secret / Base64encodedValueOf (client_id:client_secret)

• Request Body:

Key	Mandatory/ Optional (M/O)	Value
client_ref_num	М	Unique ID for the OCR request from the Client side [Max of 45 chars]
aadhaar	М	12 Digit aadhaar number

7.3 API Success Response

7.3.1 Successful Validation (result_code 101) Case

When the given aadhaar number is successfully verified the below response will be provided

```
{
  "http_response_code": 200,
  "client_ref_num": "abcd1234",
  "request_id": "aaf7f324-cd45-11ea-8517-ea8eca8158c7",
  "result_code": 101,
  "result": {
     "aadhaar_result": "Aadhaar Number xxxxxxxxxxxx Exists!"
     "aadhaar_age_band": "30-40",
     "aadhaar_gender": "MALE",
     "aadhaar_phone": "xxxxxxxx577",
     "aadhaar_state": "Maharashtra",
},
}
```

Keys of Result Object are explained below:

Key	Value
aadhaar_result	Whether the aadhaar number exists or not.
aadhaar_age_band	Individual's age band as per aadhaar (in range of 10 years, 0-10, 10-20,20-30,etc)
aadhaar_gender	Individual's gender as per aadhaar (MALE/FEMALE)
aadhaar_phone	Individual's phone number linked to aadhaar (provided in masked form - first 7 digits masked)
aadhaar_state	Individual's state as per aadhaar

7.3.2 Unsuccessful Validation Cases

When the given Aadhaar number could not be verified, the below response will be provided with result_code as 103 and message as "No records found for the given Input"

```
"http_response_code": 200,
    "client _ref_num": "abcd123",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": 103,
    "message": "No records found for the given Input",
}
```

7.4 API Failure Response

In case of Failure, the response as explained in the <u>Section 2.5</u> and error messages as defined in the <u>Section 2.5.1 Error Messages</u> would be returned.

8 KYC - PAN AADHAAR Link Validation API

8.1 API Introduction

This API helps to validate if the PAN is linked with AADHAAR or vice-versa. This API takes primarily PAN and AADHAAR as input and responds to the status between them.

8.2 API Request

Method: POST

Header:

Key	Mandatory/Optional (M/O)	Value
content-type	М	JSON/application
authorization	M	Type: Basic Auth, Username:client_id, password:client_secret / BasicBase64encodedValueOf (client_id:client_secret)

• Request Body:

Key	Mandatory/ Optional (M/O)	Value
client_ref_num	М	Unique ID for the OCR request from the Client side [Max of 45 chars]
pan	М	PAN Number to be authenticated minLength: 10 maxLength: 10 Pattern: ^[A-Za-z]{4}[A-Za-z]{1}\d{4}[A-Za-z]{1}\$
aadhaar	М	AADHAAR Number to be authenticated minLength: 12 maxLength: 12 Pattern: 12 digit number

8.3 API Success Response

8.3.1 Successful Validation (result_code 101) Case

When the PAN and AADHAAR are linked, result_code 101 would be returned. The response format for the same is as follows:

```
{
    "result": {
        "message": "PAN is linked to Aadhaar number",
        "code": "LINK-001"
},
    "http_response_code": 200,
    "request_id": "880dd801-46cf-11ec-b85c-15746d739503",
    "client_ref_num": "dbe90be9-1597-47d4-b151-8157d1f9bf64",
    "result_code": 101
}
```

Keys of Result Object are explained below:

Key	Value
code	Linking status of PAN and AADHAAR
message	Message as per the linking status
result_code	E2E validation result based on conclusiveness

code	message	result_code
LINK-001	PAN is linked to Aadhaar number	101
LINK-002	PAN not linked with Aadhaar	103
LINK-003	PAN does not exist	103
LINK-004	Please enter a valid 12 digit Aadhaar number	102
LINK-005	Please enter a valid Aadhaar Number	102
LINK-006	This PAN is linked to some other Aadhaar	103
LINK-007	This Aadhaar is linked to some other PAN	103
LINK-008	Aadhaar PAN linking failed due to DOB mismatch	108
LINK-009	Aadhaar PAN linking failed due to Name mismatch	108
LINK-010	Please enter valid Pan Card Number	102
LINK-011	Invalid PAN or Aadhaar Number	102
LINK-012	Link Aadhaar request is not found for the given PAN and Aadhaar Number	108
LINK-013	Kindly visit the nearest UIDAI enrollment center to update bio-metric details for activation of Aadhaar number	103
LINK-999	Unexpected response from source	105

8.3.2 Unsuccessful Validation Cases

The following response would be provided in case if the PAN could not be validated

6. If the PAN and AADHAAR are not linked.

```
"result": {
    "message": "PAN not linked with Aadhaar",
    "code": "LINK-003"
},
    "http_response_code": 200,
    "request_id": "c6587117-46bd-11ec-960e-ffa682131796",
    "client_ref_num": "bd7b5d0a-fa14-43cd-bffc-0862f216415c",
```

```
"result_code": 103
}
```

7. If the PAN does not exist.

```
{
    "result": {
        "message": "PAN does not exist",
        "code": "LINK-005"
},
    "http_response_code": 200,
    "request_id": "c6587117-46bd-11ec-960e-ffa682131796",
    "client_ref_num": "bd7b5d0a-fa14-43cd-bffc-0862f216415c",
    "result_code": 103
}
```

8. If the PAN is linked to different AADHAAR.

```
{
    "result": {
        "message": "This PAN is linked to some other Aadhaar",
        "code": "LINK-004"
    },
    "http_response_code": 200,
    "request_id": "c6587117-46bd-11ec-960e-ffa682131796",
    "client_ref_num": "bd7b5d0a-fa14-43cd-bffc-0862f216415c",
    "result_code": 103
}
```

9. If the PAN or AADHAAR is invalid.

```
{
    "result": {
        "message": "Invalid PAN or Aadhaar Number",
        "code": "LINK-006"
    },
    "http_response_code": 200,
    "request_id": "c6587117-46bd-11ec-960e-ffa682131796",
    "client_ref_num": "bd7b5d0a-fa14-43cd-bffc-0862f216415c",
    "result_code": 103
}
```

8.4 API Failure Response

In case of Failure, the response as explained in the <u>Section 2.5</u> and error messages as defined in the <u>Section 2.5.1 Error Messages</u> would be returned.

8.5 Additional Notes

 API will be billable for any successful responses with http response code 200 irrespective of result code.

9 KYC - Vehicle RC Validation API

9.1 API Introduction

This sync API extracts the details linked with the vehicle registration number. It takes mandatory input as a vehicle RC number and provides the information in json format.

9.2 API Request

• Method: POST

Header:

Key	Mandatory/Optional (M/O)	Value
content-type	M	JSON/application
authorization	M	Type: Basic Auth, Username:client_id, password:client_secret / BasicBase64encodedValueOf (client_id:client_secret)

• Request Body:

Key	Mandatory/ Optional (M/O)	Value
client_ref_num	М	Unique ID for the OCR request from the Client side [Max of 45 chars]

reg_no	М	Vehicle number of which information need to be extracted (Min Length: 6 Max Length: 20)
		Pattern: "^[A-Z]{2}\d[A-Z]{2}\d{4}\$ ^[A-Z]{2}\d{2}[A-Z0-9]{2}\ d{3,4}\$ ^[A-Z]{2}\d{2}[A-Z]\d{4}\$ ^[A-Z]{2}\d{6}\$ ^[A -Z]{3}\d{4} ^[A-Z]{2}\d{1}[A-Z]{3}\d{3,4}\$ ^[A-Z]{2}\d {1}[A-Z]{1}\d{4} ^[A-Z]{2}\d{2}[A-Z]{1}\d{3}\$ ^[A-Z]{2}\d {2}\d[A-Z]{3}\d{4}\$ ^[A-Z]{2}\d{2}[A-Z]{1,2}\d{2}\$ ^[0 -9]{2}[B,H]{2}[0-9]{4}[A-Z]{1,2}\$

9.3 API Success Response

9.3.1 Successful Validation (result_code 101) Case

When the Vehicle RC number is valid and if the information related to RC is extracted successfully, then below template json is returned:

```
"http_response_code": 200,
  "request_id": "c3e02028-0be6-11ed-a523-5ab8b3ec914a",
  "client_ref_num": "716",
  "result code": 101.
  "result": {
    "reg_no": "WB26AX1234",
    "class": "Motor Car(LMV)",
    "chassis": "MA3EUA61S00B61234",
    "engine": "F8DN5911234",
    "vehicle_manufacturer_name": "MARUTI SUZUKI INDIA LTD",
    "model": "MARUTI ALTO 800 VXI",
    "vehicle_colour": "BLAZING RED",
    "type": "PETROL",
    "norms_type": "BHARAT STAGE IV",
    "body type": "SALOON",
    "owner_count": "1",
    "owner name": "PRODYUT KUMAR DATTA",
    "owner_father_name": "LAKSHMI KANTA",
    "mobile_number": "",
    "status": "ACTIVE",
    "status_as_on": "21-07-2022",
    "reg_authority": "BARASAT RTO, WEST BENGAL",
    "reg_date": "31-01-2018",
    "vehicle_manufacturing_month_year": "10-2017",
    "rc_expiry_date": "30-01-2033",
    "vehicle tax upto": "15-01-2023",
     "vehicle_insurance_company_name": "SHRIRAM GENERAL INSURANCE CO.
LTD.",
```

```
"vehicle insurance_upto": "25-01-2023",
    "vehicle_insurance_policy_number": "10019/31/22/079351",
    "rc financer": "INDUSIND BANK",
       "present_address": "FLAT NO 123,GEETANJALI APPARTMENT,20 NO
JESSORE ROAD WEST.BARASAT M)KOLKATA-700123".
    "split present address": {
      "district": [
        "NORTH 24 PARGANAS"
      "state": [
           "WEST BENGAL",
           "WB"
        ]
      ],
"city": [
         "BARASAT - I"
      "pincode": "700124",
      "country": [
        "IN",
         "IND".
        "INDIA"
             "address_line": "FLAT NO 123,GEETANJALI APPARTMENT,20 NO
JESSORE ROAD WEST, BARASAT M)KOLKATA"
       "permanent address": "FLAT NO 123,GEETANJALI APPARTMENT,20 NO
JESSORE ROAD WEST, BARASAT M)KOLKATA-700123",
    "split permanent address": {
      "district": [
         "NORTH 24 PARGANAS"
      "state": [
           "WEST BENGAL",
           "WB"
        ]
      "city": [
         "BARASAT - I"
      "pincode": "700124",
      "country": [
        "IN".
         "IND".
         "INDIA"
             "address line": "FLAT NO 123,GEETANJALI APPARTMENT,20 NO
JESSORE ROAD WEST, BARASAT M)KOLKATA"
    "vehicle cubic capacity": "796",
    "gross_vehicle_weight": "1185",
    "unladen weight": "725",
```

```
"vehicle_category": "LMV",
"rc_standard_cap": "0",
"vehicle_cylinders_no": "3",
"vehicle_seat_capacity": "5",
"vehicle_sleeper_capacity": "0",
"vehicle_standing_capacity": "0",
"wheelbase": "2360",
"vehicle_number": "WB26AX1234",
"pucc_number": "WB02500990023123",
"pucc_upto": "29-08-2022",
"blacklist_status": "",
"permit_issue_date": "NA",
"permit_number": "",
"permit_type": "",
"permit_valid_from": "NA",
"permit_valid_upto": "NA",
"non_use_status": "",
"non_use_from": "NA",
"non_use_to": "NA",
"national_permit_number": "",
"national_permit_upto": "NA",
"national_permit_issued_by": "",
"noc_details": ""
```

Keys of Result Object are explained below:

Key	Value
request_id	Unique id for each API request
client_ref_num	Ref number sent in the input by client
result_code	Internal Status Code that denotes the status of the request
result	Response object for the given inputs.
- reg_no	Vehicle registration number given in the input
- class	Description of Vehicle Class
- chassis	Chassis Number of the Vehicle
- engine	Engine Number of the vehicle
- vehicle_manufacturer_name	Name of Vehicle Manufacturer
- model	Vehicle Model

	1
- vehicle_colour	Vehicle Color
- type	Vehicle Fuel Type
- norms_type	Vehicle Pollution Norms Description
- body_type	Body Type of the Vehicle
- owner_count	
- owner	Registered Name of Owner
- owner_father_name	Father's Name of Registered Owner of the vehicle
- mobile_number	Mobile number registered for given RC number
- status	RC status of vehicle
- status_as_on	Date of RC Status Verification
- reg_authority	Location of RTO where the vehicle was registered
- reg_date	Date of Registration of the Vehicle
-vehicle_manufacturing_month _year	Month & Year of Vehicle Manufacture
- rc_expiry_date	RC expiry date
- vehicle_tax_upto	Duration till the Tax on the Vehicle has been paid (Life time / One time)
-vehicle_insurance_company_n ame	Insurer Name of the Vehicle
- vehicle_insurance_upto	Date of validity of RC Insurance
-vehicle_insurance_policy_num ber	Insurance Policy Number of the Vehicle
- rc_financer	Name of Vehicle Financier
- present_address	Registered Permanent Address of the Vehicle Owner
- split_present_address	Split of the present address
- - district	District of PA(present address)
- - state	State of PA(present address)
- - city	City of PA(present address)
- - pincode	Pincode of PA(present address)
- - country	Country

-permanent_address	Registered Permanent Address of the Vehicle Owner
-split_permanent_address	Split of permanent address
-vehicle_cubic_capacity	Cubic Capacity of the Vehicle Engine
-gross_vehicle_weight	Gross Weight of the Vehicle
-unladen_weight	Unladen Weight of the Vehicle
-vehicle_category	Category of vehicle
-rc_standard_cap	
-vehicle_cylinders_no	Total number of cylinders in the Vehicle
-vehicle_seat_capacity	Total seating capacity in the Vehicle
-vehicle_sleeper_capacity	Sleeper capacity of the vehicle
-vehicle_standing_capacity	Standing capacity of the vehicle
-wheelbase	Wheelbase in mm of the vehicle
-pucc_number	PUC Registration Number of the vehicle
-pucc_upto	Expiry date of PUC certificate of the vehicle
-blacklist_status	Blacklist status of the vehicle
-permit_issue_date	Date of issue of State Permit of the vehicle
-permit_number	State Permit Number of the vehicle
-permit_type	Type of State Permit issued for the vehicle
-permit_valid_from	State permit start date
-permit_valid_upto	State permit end date
-non_use_status	Vehicle RC Non use status
-non_use_from	Vehicle RC Non use from date
-non_use_to	Vehicle RC Non use to date
-national_permit_number	National Permit Number of the vehicle
-national_permit_upto	Expiry date of the national permit of the vehicle
-national_permit_issued_by	Name of the body which issued the National Permit for the vehicle
-noc_details	Vehicle No Objection Certificate details issued by RTO

9.3.2 Unsuccessful Validation Cases

When the Vehicle RC could not be validated with the given inputs, then the following response will be provided.

10. If the Vehicle RC is an invalid number, then the response will be in the below format with result_code as 102 and message as "invalid id number or combination of inputs".

```
"http_response_code": 200,
    "client _ref_num": "abcd1234",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": 102,
    "message": "Invalid ID number or combination of inputs",
}
```

11. If there is no record found for the RC Number, then the below response would be provided.

```
{
    "http_response_code": 200,
    "client _ref_num": "abcd1234",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": 103,
    "message": "No record found for the given input",
}
```

12. If more than one record is found *(records found in different offices)* for the given registration number, then the below response would be provided.

```
"http_response_code": 200,
    "client _ref_num": "abcd1234",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": 106,
    "message":"Multiple records exist",
}
```

9.4 API Failure Response

In case of Failure, the response as explained in the <u>Section 2.5</u> and error messages as defined in the <u>Section 2.5.1 Error Messages</u> would be returned.

9.5 Additional Notes

 API will be billable for any successful responses with http response code 200 irrespective of result code.

10 KYC - Driving License Validation API

10.1 API Introduction

This sync API extracts the details linked with the Driving License number. It takes mandatory input as a DL number and provides the information in json format.

10.2 API Request

Method: POST

• Header:

Key	Mandatory/Optional (M/O)	Value
content-type	M	JSON/application
authorization	M	Type: Basic Auth, Username:client_id, password:client_secret / BasicBase64encodedValueOf (client_id:client_secret)

• Request Body:

Key	Mandatory/ Optional (M/O)	Value
client_ref_num	М	Unique ID for the OCR request from the Client side [Max of 45 chars]

dl_number	М	DL number for which information need to be extracted (Min Length: 9 Max Length: 50)
dob	M	Date of birth according DL document
		Format: DD/MM/YYYY

10.3 API Success Response

10.3.1 Successful Validation (result_code 101) Case

When the DL number is valid and if the information related to DL is extracted successfully then below json is returned:

```
"http_response_code": 200,
"request_id": "d44d769c-09a0-11ed-8f2f-962d5f2b2369",
"client_ref_num": "1234",
"result_code": 101,
"result": {
  "dob": "26-02-1999",
  "dl_number": "TN302017000XXXX",
  "dl_validity": {
     "transport": {
       "to": "",
       "from": ""
     "non_transport": {
       "to": "16-07-2037",
       "from": "17-07-2017"
     "hill valid till": "",
     "hazardous_valid_till": ""
  "badge_details": [
       "badge_no": "",
       "badge_issue_date": "",
       "class_of_vehicle": [
          "LMV",
          "MCWG"
  "details_of_driving_licence": {
     "name": "CHANDRA KUMAR",
     "photo": "",
```

```
"status": "".
           "address": "SEKAR DRIVING SCHOOL, 6 DR SUBBARAYAN ROAD,
SALEM, TN SEKAR DRIVING SCHOOL, 6 DR SUBBARAYAN ROAD, SALEM, TN",
       "address_list": [
        {
           "type": "permanent",
           "split_address": {
             "city": [
               "SALEM"
             ],
             "state": [
                  "TAMIL NADU",
                  "TN"
               ]
             "country": [
               "IN".
                "IND",
                "INDIA"
             "pincode": "636001",
             "district": [
                "SALEM"
             ],
                 "address_line": "SEKAR DRIVING SCHOOL,6 DR SUBBARAYAN
ROAD"
           "complete_address": "SEKAR DRIVING SCHOOL, 6 DR SUBBARAYAN
ROAD, SALEM, TN 636001"
        },
           "type": "temporary",
           "split_address": {
             "city": [
               "DR. THOTTAM"
            ],
"state": [
                  "TAMIL NADU",
                  "TN"
             "country": [
               "IN",
                "IND",
                "INDIA"
             "pincode": "636010",
             "district": [
                "SALEM"
                 "address_line": "SEKAR DRIVING SCHOOL,6 DR SUBBARAYAN
ROAD TN SEKAR DRIVING SCHOOL,6 DR SUBBARAYAN ROAD,SALEM"
```

```
"complete_address": "SEKAR DRIVING SCHOOL, 6 DR SUBBARAYAN
ROAD, SALEM, TN SEKAR DRIVING SCHOOL, 6 DR SUBBARAYAN ROAD,
SALEM,TN"
        }
      ],
"date_of_issue": "17-07-2017",
      "split_address": {
         "city": [
           "DR. THOTTAM"
        ],
"state": [
             "TAMIL NADU",
             "TN"
         "country": [
           "IN",
           "IND",
           "INDIA"
         "pincode": "636010",
         "district": [
           "SALEM"
        ],
          "address_line": "SEKAR DRIVING SCHOOL,6 DR SUBBARAYAN ROAD
TN SEKAR DRIVING SCHOOL,6 DR SUBBARAYAN ROAD, SALEM"
      },
"last_transacted_at": "",
      "father_or_husband_name": "DEVARAJAN K",
      "date of last transaction": ""
  },
}
```

Keys of Result Object are explained below:

Key	Value
request_id	Unique id for each API request
client_ref_num	Ref number sent in the input by client
result_code	Internal Status Code that denotes the status of the request
result	Response object for the given inputs.
- dob	Date of birth registered with DL number
- dl_number	Input DL number

- dl_validity	Validity of DL number
- - transport - from	Validity of DL number for transport vehicle start date
- - transport - to	Validity of DL number for transport vehicle end date
- - non_transport - from	Validity of DL number for non_transport vehicle start date
- - non_transport - to	Validity of DL number for non_transport vehicle end date
- - hill_valid_till	
- - hazardous_valid_till	
-badge_details	Authorisation to drive transport vehicle
- -badge_no	Badge number
- -badge_issue_date	Date on which Badge is issued
- -class_of_vehicle	Vehicle class permitted to drive
-details_of_driving_licence	Driver data like name,address, photo etc
- -name	Registered name in driving licence
- -photo	Photo registered on driving licence
- -status	Status of driving licence
- -address	Address registered for driving licence
- -address_list	List of address linked with driving licence
- - -type	Type of address
- - -split_address	Split of address
-date_of_issue	Date of issue of driving licence
-father_or_husband_name	Father or husband name registered
-date_of_last_transaction	Date on which the DL information were modified
-last_transacted_at	Place in which the DL information was last modified
· · · · · · · · · · · · · · · · · · ·	

10.3.2 Unsuccessful Validation Cases

When the DL number could not be validated with the given inputs then the following response will be provided.

1. If the DL number is an invalid number, then the response will be in the below format

```
{
    "http_response_code": 200,
    "client _ref_num": "abcd1234",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": 102,
    "message":"Invalid ID number or combination of inputs",
}
```

2. If there is no record found for the DL Number, then the below response would be provided.

```
"http_response_code": 200,
    "client _ref_num": "abcd1234",
    "request_id": "97a9f2ce-cd70-11ea-ba26-4ef9447da577",
    "result_code": 103,
    "message": "No record found for the given input",
}
```

10.4 API Failure Response

In case of Failure, the response as explained in the <u>Section 2.5</u> and error messages as defined in the <u>Section 2.5.1 Error Messages</u> would be returned.

10.5 Additional Notes

• API will be billable for any successful responses with http response code 200 irrespective of result code.

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