

Database ID Validation

Note : Please first check the [Glossary](#) for basic information about ADVANCE API.

This is the API for Database ID Validation

Code Sample

```
curl -X POST \
-H "X-ACCESS-TOKEN: {Your Access Token}" \
-H "Content-Type: application/json" \
-D '{
    "name": "***** EKA *****",
    "idNumber": "*****",
    "phoneNumber": "6281124023310",
    "email": "baidu@abc.com",
    "birthDate": "1991-10-18",
    "faceImage": "iVjfkldsajl.....",
    "ktpImage": "qTgscZySejG....."
}' \
"https://api.advance.ai/openapi/face-identity/v4/database-id-validation"
```

Request URL

https://api.advance.ai/openapi/face-identity/v4/database-id-validation

POST (application/json)

Notes:

- ADVANCE service is deployed overseas. If your test/official environment is in China, please request the service via VPN to avoid packet loss, service timeout and other problems

Request Header Parameters:

Parameter	Description
X-ACCESS-TOKEN	<code>string</code> Please Click here to get your access token

Request Parameters:

Parameter	Description
faceImage	<code>string</code> Selfie image in Base64 encoded string converted from jpeg/png/jpg, image size should be between 50kb and 1Mb, and image dimension should be between 400 * 400 and 4096 * 4096.
ktpImage	<code>string</code> KTP image in Base64 encoded string converted from jpeg/png/jpg, image size should be between 50kb and 1Mb, image dimension should be between 460 * 460 and 4096 * 4096.
idNumber	<code>string</code> The NIK number of the person; should be 16-digits number only; no negative number allowed; no float number allowed; cannot be empty; cannot start with 0.
email	<code>string</code> Email address (must be unique per NIK), the email address must include "@" and "."
phoneNumber	<code>string</code> Phone number (including country code) 12 to 16 digits, must be +628 beginning, e.g. +6281122334455 (must be unique per NIK).
name	<code>string</code> Full name from ID
birthDate	<code>string</code> Date of birth from ID in YYYY-MM-DD format

Example of SUCCESS Response:

```
{
  "code": "SUCCESS",
  "message": "OK",
  "data": {
    "idNumber": "registered",
    "name": "true",
    "birthDate": "true",
    "birthPlace": "true",
    "facePercent": "true"
  },
  "extra": null,
  "transactionId": "2871e2f277a399f5",
  "pricingStrategy": "PAY"
}
```

Example of QUOTA_EXCEEDED Response:

```
{
  "code": "QUOTA_EXCEEDED",
  "message": "Too many requests in the allowed time frame",
  "data": null,
  "extra": null,
  "transactionId": "0d5395efbe30a70d",
  "pricingStrategy": "PAY"
}
```

Example of PARAMETER_ERROR Response:

```
{
  "code": "PARAMETER_ERROR",
  "message": "Invalid ID number, please check the NIK format",
  "data": null,
  "extra": null,
  "transactionId": "3ad27ddc661b26a2",
  "pricingStrategy": "FREE"
}
```

```
{
  "code": "PARAMETER_ERROR",
  "message": "Unexpected API error",
  "data": null,
  "extra": null,
  "transactionId": "c9dc2e657be79bb4",
  "pricingStrategy": "FREE"
}
```

```
{
  "code": "PARAMETER_ERROR",
  "message": "Parameter should not be empty",
  "data": null,
  "extra": null,
  "transactionId": "a4a31feb8a4d23ce",
  "pricingStrategy": "FREE"
}
```

```
{
  "code": "PARAMETER_ERROR",
  "message": "Invalid image size, image size should be between 10kb and 500KB, and image dimension should be between 400 * 400 and 4096 * 4096",
  "data": null,
  "extra": null,
  "transactionId": "7cac123c2cdd1efb",
  "pricingStrategy": "FREE"
}
```

```
{
  "code": "PARAMETER_ERROR",
  "message": "Invalid image format, image format should be one of jpeg/jpg/png, and request content type should be image/jpeg or image/png",
  "data": null,
  "extra": null,
  "transactionId": "35b639fee45fb8eb",
  "pricingStrategy": "FREE"
}
```

```
{
  "code": "PARAMETER_ERROR",
  "message": "Parameter error, please check you input.",
  "data": null,
  "extra": null,
  "transactionId": "c7aa457e10a3e790",
  "pricingStrategy": "FREE"
}
```

Example of ERROR Response:

```
{
  "code": "ERROR",
  "message": "Server error",
  "data": null,
  "extra": null,
  "transactionId": "1deae5a13ef2bd5e",
  "pricingStrategy": "FREE"
}
```

Response Description:

Parameter	Description
code	Response Status Code
transactionId	the request id, the max length is 64
pricingStrategy	whether the request will be charged, enum type: <code>FREE</code> , <code>PAY</code>
message	Status Code Explanation
data	<code>idNumber</code> : registered or not_registered
	<code>facePercent</code> : true or false. The face is same person or not * facePercent = true, if face similarity >= 80.0; * facePercent = false, if face similarity < 80.0.
	<code>name</code> : true or false. The name is correct or not
	<code>birthDate</code> :true or false. The birthDate is correct or not
	<code>birthPlace</code> : true or null. The birthPlace is correct or not *This is no longer checked by Dukcapil. It will return default value (either null or true) in response.
extra	Extra response info (Exception Message)

Response Code

Status Code	Message
<code>QUOTA_EXCEEDED</code>	<code>pay</code> Too many requests in the allowed time frame
<code>ERROR</code>	<code>free</code> Server error

Note: Please remember to add a handler for the Status Codes in the [Glossary](#) as well

Glossary

Welcome to the Glossary!

Please read the following to understand how ADVANCE API system, for a smooth integration. We will explain all the basics you need to know about our API. For the integration steps, please check [Integration Steps](#).

Status Code

- Our API responses will contain a Status Code indicating the result of the API call, whether it was successful, or an error occurred during the process
- Each API will also have its own unique Status Codes that can only be found in the responses of the API
- Your API usage will be charged based on the response Status Code, each Status Code listed in our API document will have either a `free` or `pay` tag with it
- `free` means you **will not be charged** and `pay` means that you **will be charged**
- `pay` means you **will be charged** if the API response contains the said status code
- Below are the commonly used Status Codes, these status codes could appear in all our API responses, so please remember to add a handler for these Status Codes

Notes:

- Please use 'Status Code' in your strategy instead of 'Message', as 'Message' is a detailed explanation for developer's reference and may update without ADVANCE Notice.

Status Code	Message
<code>SUCCESS</code>	<code>pay</code> OK
<code>ERROR</code>	<code>free</code> Server error
<code>EMPTY_PARAMETER_ERROR</code>	<code>free</code> Parameter should not be empty
<code>INSUFFICIENT_BALANCE</code>	<code>free</code> Insufficient balance, please top up or contact your sales manager for help
<code>SERVICE_BUSY</code>	<code>free</code> Messages may look like: Rate limit is exceeded, please retry after the suggested time in HTTP Header. Retry-After :10s p.s. Please also note that this code may migrate to HTTP 429 Too Many Requests in the future. Quota exceeded: You have exceeded the daily quota for free queries, please contact out tech support for help
<code>IAM_FAILED</code>	<code>free</code> Access denied. Messages may look like: You are not authorized by the Identity and Access Management system Access Key not found Token not found or expired Access Key not found or expired Account not authorized for this country Account not authorized for this domain

	Account is expired. Please contact your sales manager for help Account is disabled. Please contact your sales manager for help
PARAMETER_ERROR	free The message is detailed error description, may includes: Parameter should not be empty Invalid phone number, please check your phone number format etc. p.s. Mobile number format should be country code + phone number(without leading 0 or dash or space e.g. +xx12345678); fixed-line number should be country code + area code + number(without leading 0)
OVER_QUERY_LIMIT	free Messages may look like: Quota exceeded. you have exceeded free query quota, please contact your sales manager for help Quota exceeded: You have exceeded free query quota for test account, please contact your sales manager for help
CLIENT_ERROR	free HTTP client error. Messages may look like: HTTP 400 - Bad Request HTTP 404 - Not Found HTTP 405 - Method Not Allowed etc. If you get this error, please check the API document or contact our tech support for help.
RETRY_LATER	free Query failed, please retry after the suggested time in HTTP Header. Retry-After :10s

Notes:

- If the Status Code is SUCCESS, it may not be charged. Please check the code returned by each interface

Request URL & Parameters

- Request URL can be found at each API document along with the request method (**POST** or **GET** or other request method) and Content Type (**application/json** or other content type)
- Some parameters will have **optional** tag on them, this means the parameter is not mandatory for the request and they can be empty, however adding them might produce more accurate result, for example : Company check, zip code is an optional parameter but adding zip code parameter will return all the companies around that said zip code instead of all around Indonesia.
- If a parameter does not have an **optional** tag, it means the parameter is mandatory and making request without them will return **EMPTY_PARAMETER_ERROR** response
- Every parameter has a data type such as **string**, **integer** and **file**, please double check the parameter data type before making any request

- Here's an example of parameter explanation that can be found on each API document

Parameter	Description
requestString	<code>string</code> String value for API request
requestFile	<code>file</code> Request file for API request
requestInteger	<code>optional</code> <code>integer</code> Number value for API request

Response

- ADVANCE API responds in `JSON` format
- ADVANCE API response consists of 4 fields:
 - `code` the Status Code;
 - `message` detailed explanation of the Status Code;
 - `extra` an exception message (should be empty most of the time);
 - `data` the response content from ADVANCE;
- Each service has its own `data` format, outlined in the API document
- If the response format is very complicated (multiple different JSON object, nested JSON object), please refer to the Breakdown section of the Response Explanation
- The following is an example of Response Explanation found in each API document:

Parameter	Description
code	API Status Code
message	Status Code Explanation
data	<code>field1</code> : explanation of the first information that will be returned from ADVANCE
	<code>field2</code> : explanation of the second information that will be returned from ADVANCE
extra	Extra response info (Exception Message)

Image Quality Requirements

- The services check and extract the necessary information from the uploaded images, hence please ensure the uploaded images satisfy the following criteria:
 - Is in one of the following image formats: **PNG / JPG / JPEG**
 - **Below 2 MB** file size
 - Minimum resolution of **256 x 256**
 - Maximum resolution of **4096 x 4096**
 - **The image size may change depending on different service**
- For OCR services please also ensure that the uploaded images satisfy the following criteria:
 - ID Card's ratio in the uploaded photo is not so small that the words in the ID Card are unreadable

- ID Card's orientation is in Vertical or Horizontal position and NOT heavily tilted (around 45 degree)
- Nothing is covering up the words in the ID Card (ex: Light Spot, Dirt, Ink, Shadow, etc)
- Have a clean background (No words or other picture in the background)