

VID WRAPPER API REFERENCE DOCUMENT

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1. Introduction

VID Wrapper API is used to generate and retrieve a Virtual ID (VID) for a given Aadhaar Number (UID)

2. Flow

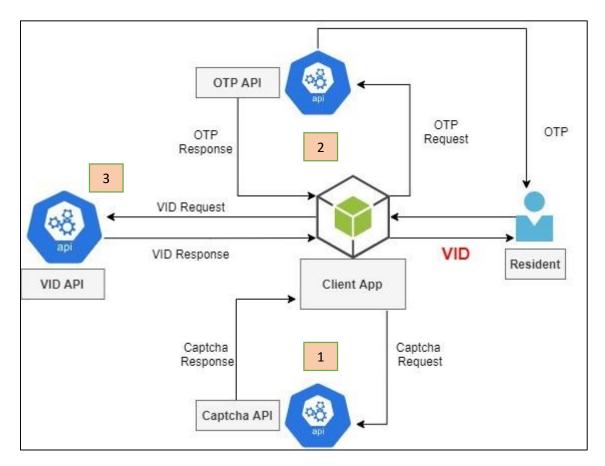


Fig 1. VID Wrapper API Flow

To generate or retrieve VID below are the steps that needs to followed

STEP 1: Generate Captcha

In the above flow diagram, resident will be using a client application through which captcha request will be the sent. The captcha is required to generate OTP for a resident. Below are API details for fetching captcha.

URL

• https://stage1.uidai.gov.in/unifiedAppAuthService/api/v2/get/captcha

HTTP Method

POST

HTTP Header

• Content-Type: application/json



HTTP Request Body

• The request body shown below should be used as is.

```
{
      "langCode": "en",
      "captchaLength": "3",
      "captchaType": "2"
}
Sample HTTP Response Body
      "status": "Success",
      "captchaBase64String": "/9j/4AAQSkZJRgABAgAAAQABAAD/2wBDAAgGBgcGBQgHBwcJCQgKDBQNDAsLDBk
SEw8UHRofHh0aHBwgJC4nICIsIxwcKDcpLDAxNDQ0Hyc5PTgyPC4zNDL/2wBDAQkJCQwLDBgNDRgyIRwhMjIyMjIyMj
QUBAQEBAQEAAAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKB
ka \verb|EII0KxwRVS0| fakm2 \verb|JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVwV1 hZwmNkZwZnaGlqc3R1dnd4 eXqlq fallow for the control of the contr
DhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09f
b3+Pn6/8QAHwEAAwEBAQEBAQAAAAAAAAACCAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExB
hJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOE18RcYGRomJygpKjU2Nzg50kNERUZHSE1KU1RVV1dYWVpjZGVm
Z2hpanN0dXZ3eH16goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uP
k5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD3+iiigAooooAKKKKACiiigAooooAKK8N1f4heJvDvxh0i3WtQy6
OL6JXWe3jjSOGUK2CwAI2K/wB4tztyeMij4h/FPXvDvxIOn2EmzTrHyPPttqH7TkCRvmKEplWC8ZxjPeo50aeybPcqK
8X+LHxE17QfFtro+g6nDbRpaiScpEkr+Yxb5W3A4woUgYB+fJzkYiHxF+JV1Y7rrwxlIIsy3E+mzrkKOXYghR0ycAD6
UOok7HPVqRp2Uj22iuF+H/xHg8Z+bZz2v2XU4IxIyIS0cq8Asp/h+Y/d0eCOTzjuqpNNXRUJqa5ohRRRTKCiiigAooo
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t7yX7Zv8v7MitjZtzncw/vD9a39Mv4tV0qz1GBXWG7gSeNXADBWUMAcE84NfPPxc13VtT/ALEste0f+zNUtYpJJESdJ
Y5EfYA61SdvzRv8pzgY50a7zxBqevaH8HfDmraDePbtb2dqtzhImXy2iUZIdSchtgGP7xyD1C5tRN2Vz1SivKdH+Jhk
+El/qt7f7tbtd9vu2xB2mcnymVOAVAI7c+W/Bxza+EeveJfE8Go6jrd+9xaxMsECiKJFL43PnaobIBTHb5j17O4lJN2
OS/aF0jZf6NrKJMfMie1lbH7tdp3IM44Y750p5C8dDVTwzpkvib4YfEPXZ7hIZtRnM8kccRKq0H+kEDLZwxfb7Yzz0r
3 n UNL0/VoFg1KxtbyFW3rHcwrIobBGcMCM4J596ks7K0060S1sbWG1to87IYIwiLk50A0BySfxqeTW5uqlopHy/wDDu
CXxX8UdEe4icJaLE7tbqcIttEqxls5wCY4wT3LYGMivdPHXxD0/wjZSRQyQ3Wrt8sdqHz5ZwDukxyq4I00C2e0MkSeI
tLi8MeGtR1HwloFlDrHlLFEbOwXzCGdQcBRk4HzY5GVBIIFeA/8ACM+KZL37Vc+HNXunaTzJRNaTHzTnJ3EANz3IIPP
Ws23BWRyYzESTtBHofw08P3iXd74gmR47V4TbQb14mJYFmBz0UoB0wSTz8pFd3f8AxG0jT/F6eGZba+a9aaKE0iIY90
gUrzuzj5hnj1rL8AeJPFeqao2n6z4cTStPgtCYSljLAoZWVVQbiRjaTwPT2rhfE/8AyX6D/sI2P/oMVHNywXKRRtGml
E99rF8T61e6Fpsd1YaNcarK8wjMEG7cqkMd3CtxwB071x1/8R9T1bxbHoPgqztL7ZkT3dwGMXBGWBUjCL/e53E4UHjd
22r63a+G9D0oavcJiNQrGNNplkx91FJPJIOBk4HU4BNaxkpPQ6E7nBX3xc1LS/L/ALQ8G3Vp5mdn2ido92MZxmMZxkf
nXX+C/Ff/AAmGjTah9i+yeXcNB5fm+ZnCq2c4H979K8etbbU/i145e5eF47QMnnFX022gHAUMQfmODgY5Yk4Azj3uws
LTS7CGxsYEgtoV2xxp0A/qe5J5JOTWjshlmiiipAKKKKACiiigAooooAK+b7W6Twt+0BPc6sPJi/tKcsxZcKk4bY5Oc
BcSKx54Ge4xX0hWJr/g/wAP+J9h1jS4bl0xtlyUkAGcLvUhtvzE4zjJzik1cDxj44+ItL1m+0a10y8hvPs0UskktvKs
kfzlQFypPzDyySPQj1r13w/YRar8MdK06dnWG60aKB2QgMFaEKcZzzg1Hd/DjwjfWNpZTaJCLe03eUkTvHywUFmKsCz
EIuS2Tx1rorKzg0+xt7K1j8u3t4liiTJ01FGAMnk8AdaSWtwPj+6+3aZ9t0a4/d7LkfaIfl0JYt6jkem9xwcHPfivq3
wjoP8AwjPhTTtIMnmPbx/vGByC7Es+DgfLuY44zjGasy6Bo0+ojUZtJsJL4Mri5e2QyBlxt04jORgYPbArRoSsRCHKF
FFFUWFFFFABXzr4+sP7V+Mlxp3m+V9ruLWDzNu7bujjXOMjOM9K+iqwLrwV4evfEC67cafv1JZElE3nSD5kxtO0Nt42
jt2rOpBzViZK55p4F1f/AIVz4gu/DHiS1htftMgdNQA4bsuW7xnnB/hJbOMnb6h4n8MWXizTY7C/luI4o5hMDAyhtwD
DuDx8xqTXfD0j+JYIYtXsUuVhYtGSzKykjBwykHB4yM40B6CrWl6Xa6PZLZ20mW3TGxJJ312AAAAFySAABgDgU4Rcd0
gJNaHC/wDClvDn/P7qv/f2P/4ius8MeGLLwnps1hYS3EkUkxmJnZS24hR2A4+UVtUVpdlBRRRSAKKKKACiiigAooooA
KKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAP/2Q==",
```

```
"captchaTxnId": "mbQxiUT4NtnP",
"requestedDate": "2021-10-20",
"statusCode": 200,
```



```
"message": "SUCCESS"
}
```

• In the above response, the field `statusCode` will value 200 indicates successful captcha generation. The captcha value is contained in the field `captchaBase64String` which contains the base64 value of captcha image.

STEP 2: Generate OTP

• As seen in the flow diagram, after successful generation of captcha, OTP generation is triggered using `captchaTxnId` and `captchaBase64String` fields as shown below.

URL

• https://stage1.uidai.gov.in/unifiedAppAuthService/api/v2/generate/aadhaar/otp

HTTP Method

POST

HTTP Request Headers

- x-request-id: This value should be generated using UUIDv4 standard
- appid: MYAADHAAR
- Accept-Language:en_in
- Content-Type: application/json

```
HTTP Request Body
```

```
{
    "uidNumber": "xxxxxxxx9999",
    "captchaTxnId": "mbQxiUT4NtnP",
    "captchaValue": "dvw2kz",
    "transactionId": "MYAADHAAR:59142477-3f57-465d-8b9a-75b28fe48725"
}
```

- In the above request body, the field `uidNumber` is the Aadhaar number for which VID has to be generated/retrieved
- `captchaTxnId` field value should match the `captchaTxnId` field value in captcha response
- `catpchaValue` is the characters in the image shown in `captchaBase64String`
- `transactionId` field whose value should be generated by UUIDV4 standard and prefixed with "MYAADHAAR:"

Sample HTTP Response Body

```
{
    "uidNumber": xxxxxxxx9999,
    "mobileNumber": 0,
    "txnId": "mAadhaar:fb227e0b-7fdf-4555-85f1-e8ed73df2650",
    "status": "Success",
    "message": "OTP generation done successfully"
}
```

• In the above response field `status` with value "Success" indicates successful OTP generation



STEP 3:

FLOW 1: Generate VID

 As shown in the flow diagram, after successful generation of OTP below are the details to generate VID

URL

• https://stage1.uidai.gov.in/vidwrapper/generate

HTTP Header

• Content-Type: application/json

HTTP Method

POST

```
HTTP Request Body
{
        "uid" : "xxxxxxxx9999",
        "mobile" : "xxxxxxxxxxxx",
        "otp" : "640496",
        "otpTxnId" : "mAadhaar:fb227e0b-7fdf-4555-85f1-e8ed73df2650"
}
```

- In the above request body, the field `uid` is the Aadhaar number for which OTP has been generated and VID has to be generated
- `mobile` field is the registered mobile number of UID
- `otp` field is the OTP sent to the registered mobile during OTP generation step
- `otpTxnId` field value should be same as `txnId` field value fetched from OTP Generation response body

```
Sample HTTP Response Body
{
    "status": "Success",
    "vid": "xxxxxxxxx949461",
    "message": "Successfully generated the Vid for Aadhaar: xxxxxxxx7882",
    "ErrorCode": null
}
```

FLOW 2: Retrieve VID

 As shown in the flow diagram, after successful generation of OTP below are the details to retrieve VID

URL

• https://stage1.uidai.gov.in/vidwrapper/retrieve

HTTP Header

• Content-Type: application/json



HTTP Method

POST

```
HTTP Request Body
{
        "uid" : "xxxxxxxx9999",
        "mobile" : "xxxxxxxxxxxx",
        "otp" : "640496",
        "otpTxnId" : "mAadhaar:fb227e0b-7fdf-4555-85f1-e8ed73df2650"
}
```

- In the above request body, the field `uid` is the Aadhaar number for which OTP has been generated and VID has to be generated
- `mobile` field is the registered mobile number of UID
- `otp` field is the OTP sent to the registered mobile during OTP generation step
- `otpTxnId` field value should be same as `txnId` field value fetched from OTP Generation response body

```
Sample HTTP Response Body
{
    "status": "Success",
    "vid": "xxxxxxxxx949461",
    "message": "Successfully generated the Vid for Aadhaar: xxxxxxxx7882",
    "ErrorCode": null
}
```