EKYC API REFERENCE DOCUMENT

Contents

1. Introduction

EKYC API returns a ZIP file containing the Resident's Paperless Offline eKYC which is digitally signed by UIDAI
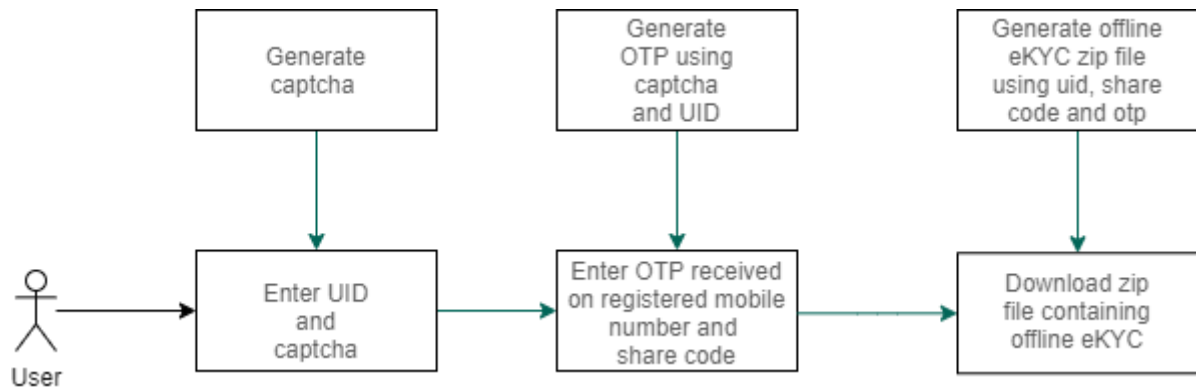
2. Flow

Fig 1. EKYC API Flow

To fetch eKYC below are the steps that needs to be 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 Header

- Content-Type: application/json

HTTP Method

- POST

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
IyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjIyMjL/wAARCAAyALQDASIAAhEBAxEB/8QAHwAAA
```

QUBAQEBAQEAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKB
kaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXq
DhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09f
b3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExB
hJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVm
Z2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uP
k5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD3+iiigAooooAKKKKACiiigAooooAKK8N1f4heJvDvxhOi3WtQy6
OL6JXWe3jjSOGUK2CwAI2K/wB4tztyeMij4h/FPXvDvxIOn2EmzTrHyPPttqH7TkCRvmKEplWC8ZxjPeo50aeybPcqK
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t7yX7Zv8v7MitjZtzncw/vD9a39Mv4tTsIbqGG7gSeNXWUMAcAQHXWG7gSeNXXADBWUMAcE84NfPPxc13VtT/ALESdJ
Y5EfYA6lSdvzRv8pzgY5Oa7zxzxBqevaH8HfDmraDePbtb2dqtzhImXy2iUZIdSchtgP7xyD1C5tRN2Vz1SivKdH+Jhk
+El/qt7f7tbtd9vu2xBmcnymVOAVAI7c+W/Bxza+E/xGj84Y75C8dDVTwzpkvib4YfEPXZ7hIZtRnM8kccRKq0H+kEDLzwfb7Yzz0r
3nUNL0/VoFg1Kxtb7YIYWiLk5OAOBySfxqeTW5u5uqlopH7tdp3IM44Y75Op5C8dDVTwzpkvib4YfEPXZ7hIZtRnM8kc
tLi8MeGtR1HwloFFEbOwXzCGdQcBRk4HzY5GVBIIFeA/8ACM+KZL37Vc+HNXunaTzJRNaTHzTnJ3EANz3IIPP
Ws23BWRyYzESTtBHofwO8P3iXd74gmR47V4TbQbl4mJYFmBz0UoB0wSTz8pFd3f3AxG0jT/F6eGZba+a9aaKEOiIY90
gUrzuzj5hnj1rL8AeJPFeqao2n6z4cTStPgtCYS1jLAoZWVVQbiRjaTwPT2rhfE/8AyX6D/sI2P/oMVHNywXKRRtGm1
E99rF8T61e6Fpsd1YaNcarK8wjMEG7cqkMd3CtxwB071x/8R9T1bxbxHoPgzqztL7ZkT3dwGMXBGWBUjCL/e53E4UHjd
22r63a+G9DOoavcJiNQrGNNplkx91FJPJIOBk4HU4BNaxkpPQ6E7NBNaxkpPQ6E7NBX3xc1LS/L/ALQ8G3AVp5mdn2ido92MZxmMZxkf
nXX+C/Ff/AAmGjTah9i+yeXcNB5fm+ZnCq2c4H979K8etbbU/il45e5eF47QQMnnFXO22gHAUMQfmODgY5Yk4Azj3uws
LTS7CGxsYEgtoV2xxp0A/qe5J5JOTWjshlmiiipAKKKKACiiigAooAK+b7W6Twt+0BPc6sPJi/tKcsxZcKk4bY5Oc
BcSKx54Ge4xX0hWJr/g/wAP+J9h1jS4bl0xtlyUkAGCvLvzvzE4zjik1cKskf/lQFypPzQj1r13w/YRar8MdK06dnWG60KB2QgMFaEKcZzzg1Hd/DjwfWNpzTaJCLe03eUkTvHywUFFUfmKsCz
EIuS2Tx1rorKzg0+xt7K1j8u3t4liiTJO1FGAMnk8AdaSWtwPj+6+3+3aZ9t0a4/d7LkfaIflOJYt6jkem9xwcHPfivq3
wjoP8AwjPhTTtIMnmPbx/vGByC7Es+DgfLuY44zjGasy6Bot0ZfP0iwl87/W+ZbIfM/3sj5vxq7FFHBEkUUaRxIA4jRAqqOwA4A9qSVmAmksJL4Mri5e2QyByMJYPbArRoSsRCHKF
FFFUWFFFFFABXzr4+sP7V/aXxlLWDzNu7bujjXXXXODgYM4OB6CrWl6Xa6PZLZ2AGAEKzzzg1Hd/DjwfWNpzTaJCLe03eUkTvHywUFFUf
gJNaHC/wDClvDn/P7qv/f2L/43WM8MeGLXnpslhYS3EkUkxmJnZS24R2A4+UVtUVpdlRRRSAKKKKACiiigAooooAKKKKAP/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 EKYC has to be fetched
- `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: Fetch eKYC

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

URL

- https://stage1.uidai.gov.in/eAadhaarService/api/downloadOfflineEkyc

HTTP Method

- POST

HTTP Header

- Content-Type: application/json

HTTP Request Body

```
{
  "txnNumber": "mAadhaar:0ff94f02-a7f6-4526-9540-c7dcaaea217b",
  "otp":"615915",
  "shareCode": "4567",
  "uid": "999967367882"
}
```

- In the above request body, the field `uid` is the Aadhaar number for which OTP has been generated and eKYC has to be fetched
- `shareCode` field with given value is used to password protect the zipfile fetched
- `otp` field is the OTP sent to the registered mobile during OTP generation step
- `txnNumber` field value should be same as `txnId` field value fetched from OTP Generation response body

Sample HTTP Response Body

```
{
  "eKycXML": "xxxxx"
  "fileName": "offlineaadhaar20211020112556964.zip",
  "status": "Success",
  "requestDate": "2021-10-20",
  "uidNumber": "xxxxxxxx9999        "
}
```

- `eKycXML` field contains base64 of zip value of ekyc XML string
- `status` field with value `Success` indicated successful fetching of eKYC xml