

# HACKATHON API HELP

## For Android Developers having the Morpho Device

You can use the AadhaarBridge.APK, which is already integrated with the Morpho device and call the appropriate intent to get the AuthCaptureData/KycCaptureData JSON, which can be submitted to the following URL

<https://ac.khoslalabs.com/hackgate/hackathon/auth>

or

<https://ac.khoslalabs.com/hackgate/hackathon/kyc>

JSON Structure is Documented on

<http://bridge.aadhaarconnect.com/clientsdk.html>

## For Android Developers having the Non - Morpho Device

One should use the Aadhaar Bridge Packet Creator by passing the biometrics and other parameter. Look at the sample java application for usage.

Once the aadhaar packet is created it can be submitted to

<https://ac.khoslalabs.com/hackgate/hackathon/auth>

or

<https://ac.khoslalabs.com/hackgate/hackathon/kyc>

## APIs for Developer without using SDK/Package Creator.

Developers who doesn't want to use the Android SDK kit or the packet creator written in java, can make use of the raw api.

### **Auth Raw API (<https://ac.khoslalabs.com/hackgate/hackathon/auth/raw>)**

The Auth Raw API accepts the AuthCaptureRequest JSON structure

```
{  
  "aadhaar-id": "",  
  "modality": "biometric",  
  "modality-type": "fp",
```

```
"number-of-fingers-to-capture": 1,
"number-of-iris-to-capture": 1,
"otp": "288288",
"device-id": "",
"certificate-type": "",
"demographics": {
  "name": {
    "matching-strategy": "",
    "matching-value": "",
    "name-value": ""
  },
  "dob": {
    "format": "",
    "dob-type": "",
    "dob-value": ""
  },
  "age": "",
  "phone": "",
  "email": "",
  "gender": "",
  "address-format": "",
  "address-freetext": {
    "matching-strategy": "",
    "matching-value": "",
    "address-value": ""
  },
  "address-structured": {
    "care-of": "",
    "house": "",
    "street": "",
    "landmark": "",
    "locality": "",
    "vtc": "",
    "subdistrict": "",
    "district": "",
    "state": "",
    "pincode": "",
    "post-office": ""
  }
},
"location": {
  "type": "",
  "latitude": "",
  "longitude": "",
```

```

    "altitude": "",
    "pincode": ""
  },
  "raw-biometrics": "base64 biometric data"
}

```

## Performing Biometrics Authentication using Raw API

You can capture the biometrics using the preferred sensor and convert the byte[] array to a base64 string. This base 64 string should be passed as part of the AuthCaptureRequest. The request JSON should be posted on

<https://ac.khoslalabs.com/hackgate/hackathon/auth/raw>

Make sure that the biometrics capture is in the minutiae(FMR) format for Fingerprint.

## Performing OTP based Authentication using Raw API

Following are the steps to use OTP based Authentication

- As part of the step one needs to generate the OTP using the following OTP API  
<https://ac.khoslalabs.com/hackgate/hackathon/otp>
- After the OTP is received, create AuthCaptureRequest JSON with “modality” as “otp” and provide the “otp” received on the mobile. Submit the request JSON as POST onto the following url.

<https://ac.khoslalabs.com/hackgate/hackathon/auth/raw>

## KYC Raw API (<https://ac.khoslalabs.com/hackgate/hackathon/kyc/raw>)

The Kyc Raw API accepts the KycCaptureRequest JSON structure

```

{
  "consent": "",
  "auth-capture-request": {
    "aadhaar-id": "",
    .....,

```

```
.....  
}  
}
```

## Performing Biometrics KYC using Raw API

You can capture the biometrics using the preferred sensor and convert the byte[] array to a base64 string, within the nested structure(auth-capture-request)".

The request JSON should be posted on

<https://ac.khoslalabs.com/hackgate/hackathon/kyc/raw>

Make sure that the biometrics capture is in the minutiae(FMR) format for Fingerprint.

## Performing OTP based eKYC using Raw API

Following are the steps to use OTP based Authentication

- As part of the step one needs to generate the OTP using the following OTP API  
<https://ac.khoslalabs.com/hackgate/hackathon/otp>
- After the OTP is received, create KycCaptureRequest JSON having "auth-capture-request" with "modality" as "otp" and provide the "otp" received on the phone. Submit the request JSON as POST onto the following url

<https://ac.khoslalabs.com/hackgate/hackathon/auth/raw>