

CRC FICO API

REPRESENTATIONAL STATE TRANSFER (ResT)

Version 1.0 | 12th September 2018

**REVISION HISTORY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S/N | DATE | VERSION | AUTHOR | COMMENT |
| 1 | 17/09/18 | 1.0 | Ademola Adewumi | Initial release |

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**1.0 INTRODUCTION**

The CRC Credit Bureau FICO API was developed by CRC Credit Bureau Limited for financial institutions get information about FICO score and the reasons for the score.

* 1. **OBJECTIVE**

This API documentation specifies the set of instructions for successful consummation and exchange of information between member institutions and CRC FICO Score API.

* 1. **INTENDED AUDIENCE**

This User Guide is intended for all the Member Institutions and other user’s developers that will be consuming CRC DIVS application API.

* 1. **REQUIREMENTS**

An institution must have an API token in order to access CRC DIVS API. This token is generated registrations and activation of accounts on the CRC FICO API Site.

* 1. **SERVICE SPECIFICATION**

The communication mode is through HTTP POST.

Request and response language is JSON

Service endpoint is <http://172.16.7.21:8000/api/v1/post/single-batch/return-fico>

Every API call requires an API token in the JSON headers.

**2.0 SERVICE CONSUMMATION**

* 1. **SEARCH REQUEST**

To make a search operation on a subject, the API expects an HTTP POST with JSON payload request to the URI /post as described below.

*Sample single request:*

**[**

**{**

**"bvn": "22180291852",**

**"phone": "",**

**"acc\_num": "",**

**"dob": "",**

**"gender": "",**

**"names": ""**

**},**

**]**

*Sample batch request:*

**[**

**{**

**"bvn": "22180291852",**

**"phone": "",**

**"acc\_num": "",**

**"dob": "",**

**"gender": "",**

**"names": ""**

**},**

**{**

**"bvn": "22277268482",**

**"phone": "",**

**"acc\_num": "",**

**"dob": "",**

**"gender": "",**

**"names": ""**

**},**

**{**

**"bvn": "22193224106",**

**"phone": "",**

**"acc\_num": "",**

**"dob": "",**

**"gender": "",**

**"names": ""**

**},**

**{**

**"bvn": "22240425676",**

**"phone": "d",**

**"acc\_num": "",**

**"dob": "",**

**"gender": "",**

**"names": ""**

**},**

**{**

**"bvn": "22346082618",**

**"phone": "d",**

**"acc\_num": "",**

**"dob": "",**

**"gender": "",**

**"names": ""**

**},**

**{**

**"bvn": "",**

**"phone": "234009057648887",**

**"acc\_num": "",**

**"dob": "",**

**"gender": "",**

**"names": ""**

**},**

**{**

**"bvn": "1112016033363000",**

**"phone": "f",**

**"acc\_num": "",**

**"dob": "",**

**"gender": "",**

**"names": ""**

**},**

**{**

**"bvn": "111201603336",**

**"phone": "",**

**"acc\_num": "",**

**"dob": "",**

**"gender": "",**

**"names": ""**

**}**

**]**

# ENDPOINT URL

<http://172.16.7.21:8000/api/v1/post/single-batch/return-fico>

## Payload

Headers:

1. Accept: application/json
2. Authorization: Bearer .$token

//Concatenate the word “Bearer ” to the access token generated.

Body:

1. email: [you-email@your-company.com](mailto:you-email@your-company.com)

//The email must be used during registration on CRC FICO API website

1. json\_array: payload of the request

// An array of the accounts to be checked.

## Security

Generating Access Tokens

After registering on our site, go ahead and create a client. Copy the client id and the callback url which was specified during registration. It will be used to generate access token as shown below

Make a redirect request to 'http://172.16.7.21:8000/oauth/authorize?’

Appending the credentials of the user at the end.

Route::get('/redirect', function () {

$query = http\_build\_query([

'client\_id' => 'client-id',

'redirect\_uri' => 'http://example.com/callback',

'response\_type' => 'code',

'scope' => '',

]);

return redirect('http://your-app.com/oauth/authorize?'.$query);

});

If the user approves the authorization request, they will be redirected back to the consuming application. The consumer should then issue a POST request to your application to request an access token. The request should include the authorization code that was issued by your application when the user approved the authorization request. In this example, we'll use the Guzzle HTTP library to make the POST request:

Route::get('/callback', function (Request $request) {

$http = new GuzzleHttp\Client;

$response = $http->post('http://172.16.7.21:8000/oauth/token', [

'form\_params' => [

'grant\_type' => 'authorization\_code',

'client\_id' => 'client-id',

'client\_secret' => 'client-secret',

'redirect\_uri' => 'http://example.com/callback',

'code' => $request->code,

],

]);

return json\_decode((string) $response->getBody(), true);

});

### **Passing The Access Token**

When calling routes that are protected by Passport, your application's API consumers should specify their access token as a Bearer token in the Authorization header of their request. For example, when using the Guzzle HTTP library:

$response = $client->request('POST', ''http://172.16.7.21:8000/api/user', [

'headers' => [

'Accept' => 'application/json',

'Authorization' => 'Bearer '.$accessToken,

],

]);

Kindly see below the procedure of using a client simulator like **postman** to test the endpoint.

Please note that the email address must have been registered and activated on the App.

After logging in, Click on create Access token and copy the token generated to a secured location. **Do not disclose the access token to a third party.**

**Endpoint url:** http://172.16.7.21:8000/api/v1/post/single-batch/return-fico

**inside headers**

Accept: application/json

Authorization: Bearer '.$token 

**inside body**

email: oseuntotosho@gmail.com

json\_array: