

# DFCU API Documentation

Version	Date	Author	Description
1.0	08-April-2023	Edward Shiramberg	Final draft

## 1. Get Access Token.

Authenticate the user with the system and obtain the auth\_token

## Request

Method	URL
POST	token/

## Parameters

Type	Params	Values
POST	username	string
POST	password	string

## Response

Status	Response
200	{ "refresh":  "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2t1bl90eXBlljoicmVmcmVzaCI6ImV4cCI6MjY4MTU1NTA1MCwiaWF0IjoxNjgwOTUwMjUwLWJqdGkiOiI3NDQ1ODAyOTg1YWWE0MmFrOWRkZTVIMTc0OWIzNTdiNyIsInVzZXJfaWQiOiJF9.IR3BaP7jekJDkdvdKklkOZJXTVI28qJ2aElzdJp3qE", "access":  "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2t1bl90eXBlljoieWNjZXNzliwiZXhwIjoxNjgwMDM2NjUwLWJpYXQiOiJE2ODA5NTAyNTAsImp0aSI6IjI0ZWl4OGRmNmNhMzQ1OGM5ODQ3YTlmOTZmNjc1YWMyIiwidXNlcl9pZCI6MX0.iVrgi8ke9xENzBx3R3aAOG4telmNJ7hJU1sRYBG5NI" }

500	<code>{"error": "Something went wrong. Please try again later."}</code>
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## 2. Get Customer Loans.

Provided an account number to return all outstanding loans belonging to the customer.

### Request

Method	URL
POST	<code>api/accounts/loans/</code>

### Parameters

Type	Params	Values
HEAD POST	Auth token Account number	<code>string</code> <code>string</code>

An **Authentication token** must be sent with all client requests. The token helps the server to validate and authorize the request source.

#### Account Number

An **account** must be sent with all client requests. This is the account number which is validated and whose loans are sent in response.

### Response

Status	Response
200	<code>{   "response": {     "customer_id": "C003",     "customer_name": "James Blunt", </code>

	<pre>"customer_account": "5000145080", "customer_loans": [   {     "loan_id": "L000005",     "disbursement_date": "2023-02-16T12:24:54Z",     "outstanding_amount": 500000   } ] }</pre> <p>auth_key (string) - all further API calls must have this key in header</p>
401	<pre>{"error": "Invalid Auth Token."}</pre>
500	<pre>{"error": "Something went wrong. Please try again later."}</pre>

## 2. API Performance dashboard.

### Login to dashboard.

Access the login screen at url `/api`. Enter your username (admin) and password (1234) to authenticate.

DFCU API Login

#### Login

## Access to dashboard.

After successful login, user will be redirected to dashboard page shown below.

DFCU API [Logout](#)

### API Dashboard

Number of Requests.

11

Number of Failed Requests.

2

Number of Postive  
Requests.

4

Number of Negative  
Requests.

5

# Glossary

## Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

**2XX** - Success of some kind

**4XX** - Error occurred in client's part

**5XX** - Error occurred in server's part

Status Code	Description
200	OK
401	Authentication failure
500	Internal Server Error