Athos Frantzis

athos.frantzis@cedar-rose.com

Abstract

User guide describing how to use Cedar Rose KYB API

KYB API

User Documentation

Table of Contents

[Introduction 2](#_Toc900445633)

[Restful Web Services 3](#_Toc269936389)

[General RESTful Response Guide 3](#_Toc1722864029)

[Responses & errors 3](#_Toc1692946318)

[Authentication 3](#_Toc1073343097)

[API Endpoints 4](#_Toc1777231039)

[KYB Search 4](#_Toc1299758972)

[POST /kyb/search 5](#_Toc674648205)

[KYB Country Validation 5](#_Toc1078475835)

[GET /kyb/countryValidation/{countryId} 6](#_Toc1326820118)

[KYB Retrieve Searches 6](#_Toc1249445702)

[GET /kyb/retrieveSearch/{searchId} 6](#_Toc2137401256)

[KYB Display Search Result 6](#_Toc340325847)

[GET /kyb/display/{searchId}/{UID} 6](#_Toc447666900)

[KYB CR Comply 6](#_Toc198926641)

[POST /kyb/crComply 6](#_Toc622442619)

[KYB CR Comply Result 7](#_Toc190165041)

[GET /kyb/crComplyResult/{crComplyOrderId} 7](#_Toc1031304666)

[KYB Update Settings 7](#_Toc447797570)

[POST /kyb/updateSettings 7](#_Toc470134818)

[KYB Get Settings 8](#_Toc438571327)

[GET /kyb/getSettings 8](#_Toc1955566515)

[KYB Client Balance 8](#_Toc966260023)

[GET /kyb/clientBalance 9](#_Toc551681987)

[KYB Searches All 9](#_Toc1695692730)

[POST /kyb/searchAll 9](#_Toc100709027)

# Introduction

## Restful Web Services

Cedar Rose implements RESTful web services over HTTPS, with a JSON response, and thus, we can integrate with any web-based solution.

## General RESTful Response Guide

* HTTP Code 200: Success
* HTTP Code 400: Business Error
* HTTP Code 500: Technical Error

JSON property names are case sensitive. Therefore, if the web service expects "Name", then "name" wouldn't be valid. See example:

{Name: "cedar rose"} // valid

{name: "cedar rose"} // not valid

JSON property string values are NOT case sensitive. See example:

{Name:"cedar rose"} is same as {Name: "Cedar Rose"}

# Responses & errors

We use standard HTTP status codes to indicate the success or failure of a request to our API.

Successful requests to our API will have a 200 HTTP status code; the “status” and “content” key-value pairs will detail the status message and the content of the response.

{ "status": "success", "content": "... API response goes here ..." }

Unsuccessful requests to our API will have a non-200 HTTP status code and will contain "code", "message" and "status" fields. The "message" field will contain any further information about the unsuccessful request.

{ "code": 500, "message": "Internal Server Error", "status": "failure" }

Note that the message may have more details about the error.

# Authentication

For authentication, a username and password are required; if the client hasn’t been provided with one, please contact Cedar Rose.

During the login request, and in addition to the username and password, the request body should contain “grant\_type=password”.

After a successful login, the system will respond with an “access\_token” which should be used in all other requests henceforth in the authorization header as Bearer token authentication.

Login Endpoint: https://api.cedar-rose.com/api/User/Login

**Login Request**

* Method: POST
* Header: Content-Type: application/x-www-form-urlencoded
* Request Body (example):
* grant\_type=password
* &username=email1@gmail.com
* &password=P@ssword123

**Login Response (example)**

* .expires: Mon, 15 Jun 22:00
* .issued: Mon, 15 Jun 13:00
* access\_token: BfZPnuyPeZn8e-I…
* token\_type: bearer
* userName: email@email.com

# API Endpoints

The root endpoint of Cedar Rose API is <https://api.cedar-rose.com/api/>. The current list of available API endpoints on CR KYB API is shown below.

|  |  |  |
| --- | --- | --- |
| **Method** | **ENDPOINT** | **DESCRIPTION** |
| POST | /User/Login | Authentication |
| POST | /kyb/search | KYB search |
| GET | /kyb/countryValidation/{countryId} | Returns required fields for country KYB search. |
| GET | /kyb/retrieveSearch/{searchId} | Retrieve existing search results |
| GET | /kyb/display/{searchId}/{UID} | Retrieve search results for specific company |
| POST | /kyb/crComply | KYB CR Comply search |
| GET | /kyb/crComplyResult/{crComplyOrderId} | Retrieves KYB CR Comply search results |
| GET | /kyb/getSettings | Retrieves KYB Search settings |
| POST | /kyb/updateSettings | Updates KYB Search settings |
| GET | /kyb/clientBalance | Retrieves client balances and subscription dates. |
| POST | /kyb/searchAll | Retrieves all existing searches |

# KYB Search

## POST /kyb/search

### Header

* Content-Type: application/json
* Authorization: Bearer {TOKEN\_FROM\_LOGIN}

### JSON Request Parameters

|  |  |  |
| --- | --- | --- |
| FIELD NAME | TYPE | DESCRIPTION |
| countryId (required) | Integer | Country identifier |
| name (\*) | String | Entity name |
| registerNumber (\*) | String | Company registration number |
| city | String | City of company’s primary address |
| postalCode | String | Postal code of company’s primary address |
| clientReference | String | Client reference number |
| UID (\*) | String | Unique Identifier of Company |
| FuzzySearch | bit | By default, FuzzySearch =1 for all searches. Specify FuzzySearch=0 to disable Fuzzy Search and retrieve exact match. |

**(\*) at least one of name, registerNumber or clientReference is required.**

### JSON Response Parameters (for searchResults)

|  |  |  |
| --- | --- | --- |
| FIELD NAME | TYPE | DESCRIPTION |
| UID | String | Entity Unique identifier |
| name | String | Entity name |
| tradingName | String | Trade Name matching the Search Input name |
| registerNumber | String | Entity registration number |
| city | String | City of entity’s primary address |
| address | String | Additional information for entity’s primary address |
| postalCode | String | Postal code of entity’s primary address |
| status | String | Entity’s status |
| legalForm | String | Legal Type of the Company |
| score | String | Entity’s score |
| display | Integer | 1 (result displayed) OR 0 (result not displayed) |
| **IssueDate** | String | Register’s Issue Date |
| **ExpiryDate** | String | Register’s Expiry Date |
| **fuzzySearch** | bit | 1 if the Search Result belongs to Fuzzy Search, 0 if the result doesn’t belong to Fuzzy Search performed |

### JSON Request/Response sample



# KYB Country Validation

## GET /kyb/countryValidation/{countryId}

* Append countryID to URL.

### JSON Response sample



# KYB Retrieve Searches

## GET /kyb/retrieveSearch/{searchId}

* Append searchId to URL. SearchId is the unique identifier in response from POST search.

### Header

* Authorization: Bearer {TOKEN\_FROM\_LOGIN}

### JSON Response Parameters (for searchResults)

Same as [KYB Search](#_JSON_Response_Parameters)

### JSON Response sample



# KYB Display Search Result

## GET /kyb/display/{searchId}/{UID}

* After performing KYB Search, the next step is to display an entity from the list of UIDs returned from the search. Please note that, KYB Search Results including only a single entity will automatically be displayed for that KYB SearchId.
* Displaying a company will return the values for Status,LegalForm, Issue Date and Expiry Date if they are available.
* Company from the pool of results in KYB Search can be displayed by:
  + Appending searchId to URL. SearchId is the unique identifier in response from POST search.
  + Appending UID for an entity returned in POST Search. UID is the unique identifier of an entity returned from POST Search searchResults.

### Header

* Authorization: Bearer {TOKEN\_FROM\_LOGIN}

### JSON Response Parameters (for searchResults)

Same as [KYB Search](#_JSON_Response_Parameters)

### JSON Response sample



# KYB CR Comply

## POST /kyb/crComply

### Header

* Content-Type: application/json
* Authorization: Bearer {TOKEN\_FROM\_LOGIN}

### JSON Request Parameters

|  |  |  |
| --- | --- | --- |
| FIELD NAME | TYPE | DESCRIPTION |
| searchId | Integer | KYB Search identifier |
| name | String | Entity name |
| UID | String | Entity Unique identifier |

### JSON Request sample



### HTTP Response

* HTTP Code 200: Success
* HTTP Code 400: Business Error

# KYB CR Comply Result

## GET /kyb/crComplyResult/{crComplyOrderId}

* Append CR Comply order ID to URL.

### Header

* Authorization: Bearer {TOKEN\_FROM\_LOGIN}

### JSON Response sample



# KYB Update Settings

## POST /kyb/updateSettings

### Header

* Content-Type: application/json
* Authorization: Bearer {TOKEN\_FROM\_LOGIN}

### JSON Request/Response Parameters

|  |  |  |
| --- | --- | --- |
| FIELD NAME | TYPE | DESCRIPTION |
| nameWeight | Integer | Weight for name as per client’s settings |
| regNoWeight | Integer | Weight for name as per client’s settings |
| minPercent | Integer | Minimum threshold for matching and fetching results |
| maxRecords | Integer | Maximum number of records per response |
| postalCodeWeight | Integer | Weight for name as per client’s settings |
| cityWeight | Integer | Weight for city as per client’s settings |
| crComplyFuzziness | Integer | Defines the fuzziness for CR Comply searches. |
| crComplyMonitor | Boolean | Defines if search will be monitored. |
| crComplySources | Array | Defines CR Comply filters. |

### JSON Request/Response sample



# KYB Get Settings

## GET /kyb/getSettings

### Header

* Content-Type: application/json
* Authorization: Bearer {TOKEN\_FROM\_LOGIN}

### JSON Response Parameters

Same as [Update Settings](#_JSON_Request/Response_Parameters)

### JSON Response sample



# KYB Client Balance

## GET /kyb/clientBalance

### Header

* Authorization: Bearer {TOKEN\_FROM\_LOGIN}

### JSON Response sample



# KYB Searches All

## POST /kyb/searchAll

### Header

* Content-Type: application/json
* Authorization: Bearer {TOKEN\_FROM\_LOGIN}

### JSON Request/Response sample

