



Central Business Register(CBR) Web API User Guide

Version 1.0

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Introduction

The Central Business Register (CBR) is a consolidated database of all the businesses that take part in the agricultural produce export process. This document was developed to give a guideline to vendors and other interested stakeholders across industries on how to consume and use the CBR Web API.

Web API Versions

There are three versions of the API that are available at a time and these are stated below:

- **Old**- Soon to be deprecated
- **Stable** – Current stable version
- **Beta**-Latest Build

All requests are sent with the version of the API in the url or the consumer can call the API through a custom request header as below:

```
Accept-version: v1  
Accept-version: v2
```

The current version of the API will be displayed on the API's Swagger page. The swagger page will display the available endpoints depending on the selected version.

When a new version becomes available, notifications will be sent out to all the relevant parties with a change log of the new changes and features. The Swagger page will be updated accordingly with these new features. The links to the swagger pages are as follows:

- PRODUCTION - <https://cbr.ecert.co.za/api>

Pre-requisites

The pre-conditions for a client system to be able to consume the eCert CBR Web API for ePhyto requests are as follows:

- The client system must belong or be associated to a registered business in the Central Business Register
- The client system will need to be registered as a client in the User Authentication Service and issued a valid **client_id** and **client_secret** to be able to consume the endpoints
- All request calls for the Standards API will be authenticated using a JWT (Json Web token) bearer token over OAuth 2.0 protocol
- The authorization grant type used by the User Authentication Service is 'Client Credentials Grant' (please see Appendix 1)

How to Connect

Refer to the **How to Connect to Web API Document**

Testing the Standard EndPoints

Get Business By ID

Used to retrieve a business based on supplied BusinessId.

Endpoint:

- `https://cbr.ecert.co.za/api/v1/business?id={businessId}`

Request (query parameter):

Parameter	Description	Datatype	Req?	Example/ Ref
Id	Unique Id for Business	Integer	Yes	e.g 15

Response:

Returns the information for the business with the supplied BusinessId

Response Body

```
{
  "Data": {
    "BusinessId": 15,
    "BusinessName": "FPT Group (Pty) Ltd"
  },
  "IsSuccessful": true,
  "Message": "Successful"
}
```

List All Businesses

Used to retrieve basic information for all businesses registered in the system

Endpoint:

```
https://cbr.ecert.co.za/api/v1/business
```

Request:

No parameters required for this endpoint

Parameter	Description	Datatype	Req?	Example/ Ref
N/A				

Response:

Returns a list of all businesses registered in the CBR.

Response Body

```
{
  "Data": [
    {
      "BusinessId": 11,
      "BusinessName": "Goede Hoop Citrus (Pty) Ltd"
    },
    {
      "BusinessId": 13,
      "BusinessName": "Pets at Play"
    },
    {
      "BusinessId": 14,
      "BusinessName": "Goreefers Logistics Pty Ltd"
    },
    {
      "BusinessId": 15,
      "BusinessName": "FPT Group (Pty) Ltd"
    },
    {
      "BusinessId": 16,
      "BusinessName": "Kingfisher Fruits"
    }
  ]
}
```

APPENDIX 1

Acronyms

Term	Description
CBR	Central Business Register

Reference Documents

- UAS Web API-How to Connect

Web References

- <https://oauthlib.readthedocs.io/en/latest/oauth2/grants/credentials.html>
- <https://oauth.net/2/grant-types/client-credentials/>