

# Package ‘rgbif’

January 27, 2021

**Title** Interface to the Global 'Biodiversity' Information Facility API

**Description** A programmatic interface to the Web Service methods provided by the Global Biodiversity Information Facility ('GBIF'; <<https://www.gbif.org/developer/summary>>). 'GBIF' is a database of species occurrence records from sources all over the globe. 'rgbif' includes functions for searching for taxonomic names, retrieving information on data providers, getting species occurrence records, getting counts of occurrence records, and using the 'GBIF' tile map service to make 'rasters' summarizing huge amounts of data.

**Version** 3.5.2

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**URL** <https://github.com/ropensci/rgbif> (devel),  
<https://docs.ropensci.org/rgbif/> (documentation)

**BugReports** <https://github.com/ropensci/rgbif/issues>

**LazyData** true

**LazyLoad** true

**Encoding** UTF-8

**Language** en-US

**Imports** xml2, ggplot2, crul (>= 0.7.4), data.table, whisker, magrittr, jsonlite (>= 1.6), oai (>= 0.2.2), tibble, wellknown (>= 0.7.2), lazyeval, R6, conditionz

**Suggests** testthat, sp, rgeos, png, raster, protolite (>= 2.0), sf, randgeo, vcr (>= 0.5.0)

**RoxygenNote** 7.1.1

**X-schema.org-applicationCategory** Biodiversity

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**X-schema.org-isPartOf** <https://ropensci.org>

**NeedsCompilation** no

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 rgbif-package

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*Interface to the Global Biodiversity Information Facility API.*


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## Description

rgbif: A programmatic interface to the Web Service methods provided by the Global Biodiversity Information Facility.

## About

This package gives you access to data from GBIF <https://www.gbif.org/> via their API.

## A note about the old GBIF API

The old GBIF API is now defunct - that is, not available anymore. We used to have functions that worked with the old API, but those functions are now not available anymore because GBIF made the old API defunct.

## Documentation for the GBIF API

- summary <https://www.gbif.org/developer/summary> - Summary of the GBIF API
- registry <https://www.gbif.org/developer/registry> - Metadata on datasets, and contributing organizations
- species names <https://www.gbif.org/developer/species> - Species names and metadata
- occurrences <https://www.gbif.org/developer/occurrence> - Occurrences
- maps <https://www.gbif.org/developer/maps> - Maps - these APIs are not implemented in **rgbif**, and are meant more for intergration with web based maps.

## Note

See [many-values](#) for discussion of how functions vary in how they accept values (single vs. many for the same HTTP request vs. many for different HTTP requests)

## Author(s)

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check\_wkt

*Check input WKT*

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## Description

Check input WKT

## Usage

```
check_wkt(wkt = NULL, skip_validate = FALSE)
```

## Arguments

wkt (character) one or more Well Known Text objects

skip\_validate (logical) whether to skip `wellknown::validate_wkt` call or not. Default: FALSE



















































































































































































































































































