

Package: virionData (via r-universe)

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Type Package

Title Access Versioned VIRION Data

Version 1.0.0

Description This package provides an ergonomic interface for accessing the VIRION dataset (<https://doi.org/10.5281/zenodo.15643003>).

License GPL (>= 3)

Encoding UTF-8

LazyData true

URL <https://github.com/viralemergence/virionData>,
<https://viralemergence.github.io/virionData/>

BugReports <https://github.com/viralemergence/virionData/issues>

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batch_download_deposit_versions
Batch download deposit versions

Description

This is ‘download_deposit_version’ wrapped in a ‘purrr::map’ call.

Usage

```
batch_download_deposit_versions(zenodo_ids = "all", dir_path, ...)
```

Arguments

zenodo_ids	Character. Either a vector of zenodo ids or "all"
dir_path	Character. Path to folder where files should be downloaded.
...	Other arguments passed to ‘download_deposit_version’

Value

List of download locations.

Examples

```
## Not run:
# get all deposit versions
batch_download_deposit_versions(dir_path = "outputs")

# get select versions
batch_download_deposit_versions(zenodo_ids = c("15677137", "15643004"), dir_path = "outputs")

## End(Not run)
```

deposit_summary	<i>Simple summary data frame for the deposit</i>
-----------------	--

Description

Simple summary data frame for the deposit

Usage

```
deposit_summary()
```

Value

data frame. Simplified deposit metadata with the following fields: * id = zenodo id * latest_version = True or False indicating if that record is the latest version of the dataset. * publication_date = YMD the item was published to zenodo * doi_url = digital object identifier for that version of the record.

Examples

```
deposit_summary()
```

download_deposit_version	<i>Download deposit version</i>
--------------------------	---------------------------------

Description

Downloads and extracts some version of the deposit.

Usage

```
download_deposit_version(  
  zenodo_id,  
  deposit_versions = list_deposit_versions(),  
  dir_path,  
  datapackage_only = FALSE  
)
```

Arguments

zenodo_id	String. ID for a Zenodo deposit. Should correspond to the version of a deposit.
deposit_versions	data frame. Output from 'list_deposit_versions'
dir_path	String. Path to directory where the files should be downloaded e.g. "inst/extdata/wdds_archive" note no trailing slash on the path.
datapackage_only	Logical. Download only the datapackage.json file

Value

String. Path to downloaded version.

export_deposit_bibtex *Get bibtex entry for a deposit.*

Description

Bibtex specific wrapper for export_deposit_metadata

Usage

```
export_deposit_bibtex(zenodo_id = the$working_version, verbose = TRUE)
```

Arguments

zenodo_id	String. ID for a Zenodo deposit. Should correspond to the version of a deposit.
verbose	Logical. Print the formatted metadata?

Value

Character. bibtex formatted entry

Examples

```
## Not run:
export_deposit_bibtex(zenodo_id = "15692263" ) |>
  writeLines(con = "outputs/citation.bib")

## End(Not run)
```

`export_deposit_metadata`*Export Deposit Metadata in various formats*

Description

Export Deposit Metadata in various formats

Usage

```
export_deposit_metadata(  
  zenodo_id = the$working_version,  
  format,  
  verbose = TRUE  
)
```

Arguments

<code>zenodo_id</code>	String. ID for a Zenodo deposit. Should correspond to the version of a deposit.
<code>format</code>	String. File format for export. One of "json", "json-ld", "csl", "datacite-json", "datacite-xml", "dublincore", "marcxml", "bibtex", "geojson", "dcat-ap", "codemeta", or "cff"
<code>verbose</code>	Logical. Print the formatted metadata?

Value

Character. Returns text in selected format.

Examples

```
## Not run:  
export_deposit_metadata(zenodo_id = "15692263", "json-ld" ) |>  
  writeLines(con = "outputs/citation.jsonld")  
  
## End(Not run)
```

`get_data_dictionary`*Get Data Dictionary for a data Package*

Description

Creates a list of data frames that constitutes the data dictionary.

Usage

```
get_data_dictionary(datapackage_json)
```

Arguments

`datapackage_json`
Character. Path to datapackage.json file

Value

List. Named list of data frames with the following fields: * name = field name * type = field type * description = characterization of the field

Examples

```
## Not run:  
get_data_dictionary(datapackage_json = "data/1235600/datapackage.json")  
  
## End(Not run)
```

```
get_individual_dictionary  
Get the dictionary for a single resource
```

Description

Get the dictionary for a single resource

Usage

```
get_individual_dictionary(x)
```

Arguments

`x` List. Resource object from the data package.

Value

dataframe with three fields.

get_resource_name *Get the name of a resource*

Description

Get the name of a resource

Usage

```
get_resource_name(x)
```

Arguments

x data frame with name field

Value

character. Name of resources

get_version_citation *Get Version Citation*

Description

Get Version Citation

Usage

```
get_version_citation(  
  zenodo_id = the$working_version,  
  style = c("havard-cite-them-right", "apa", "modern-language-association", "vancouver",  
    "chicago-fullnote-bibliography", "ieee"),  
  verbose = TRUE  
)
```

Arguments

zenodo_id String. ID for a Zenodo deposit. Should correspond to the version of a deposit.
style Character. One of "havard-cite-them-right", "apa", "modern-language-association",
"vancouver", "chicago-fullnote-bibliography", or "ieee"
verbose Logical. Print the citation?

Value

Character. Text for a citation

Examples

```
## Not run:
get_version_citation(zenodo_id = "15692263",
                    style = "apa")

## End(Not run)
```

get_versioned_data *Get a specific version of the data*

Description

This is a convenience function that downloads a specific version of the data and returns attribution information.

Usage

```
get_versioned_data(
  version = "latest",
  style = "apa",
  dir_path,
  refresh_deposits_versions = TRUE,
  verbose = TRUE,
  ...
)
```

Arguments

version	Character. identifier for a version e.g. "15643003" or "latest"
style	Character. One of "harvard-cite-them-right", "apa", "modern-language-association", "vancouver", "chicago-fullnote-bibliography", or "ieee"
dir_path	Character. Path to folder where files should be downloaded.
refresh_deposits_versions	Logical. Should the function check for new versions of the deposit?
verbose	Logical. Include print statements?
...	Additional arguments to pass to 'download_deposit_version'

Details

If you would like to download a bibtex entry use 'export_deposit_bibtex'. For other metadata types (CSL, CFF, JSON-LD, etcetera) use 'export_deposit_metadata'.

Value

Character. path to versioned data.

list_deposit_versions *Get Versions of a Deposit on Zenodo*

Description

This function gets the metadata for all the versions of a deposit associated with a parent id. The parent id is used to identify a set of works that are different versions of the same work. The parent id is provided by the Zenodo API. To find the parent ID, download a JSON representation of the deposit (export to json on the webpage or use 'export_deposit_metadata'), there will be an attribute called parent that looks like "https://zenodo.org/api/records/15020049". The 8 digit string at the end of the url is the parent id.

Usage

```
list_deposit_versions(parent_id = "15643003")
```

Arguments

parent_id String. Identifier for a Zenodo deposit with multiple versions.

Details

This function also sets package variables

Value

Data frame. Invisible. The data frame contains the Zenodo id for each version of the deposit, as well as the version name, and logical field called latest that indicates if this is the latest version.

sanitize_version *Check version ids*

Description

Checks that version ids are properly formatted. IDs should either be integers ("15643003") OR "latest"

Usage

```
sanitize_version(version)
```

Arguments

version Character. Version identifier.

Value

Character. Version identifier from Zenodo.

Examples

```
sanitize_version("latest")  
sanitize_version(" 15643003")
```

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