

Package: r2databus (via r-universe)

August 31, 2024

Type Package

Title An R interface for the DBpedia Databus

Date 2022-11-08

Version 0.3.0

Depends SPARQL

Imports jsonlite, httr, digest, dplyr, tidyr, utils

Suggests covr, knitr, markdown

Description Provides tools for uploading, downloading, and annotating data to the DBpedia Databus.

Encoding UTF-8

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RoxygenNote 7.2.1

VignetteBuilder knitr

Repository <https://pik-piam.r-universe.dev>

RemoteUrl <https://github.com/pik-piam/r2databus>

RemoteRef HEAD

RemoteSha 638c5dae3567c284dc49b254b1876e5df2b613bd

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r2databus-package	<i>r2databus: An R interface for the DBpedia Databus</i>
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Description

Provides tools for uploading, downloading, and annotating data to the DBpedia Databus.

Author(s)

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databusUpload	<i>databusUpload</i>
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Description

Publishes a dataset on the Databus (energy.databus.dbpedia.org)

Usage

```
databusUpload(myKey = NULL, myData = NULL)
```

Arguments

myKey	a personal and secret API key (can be found or generated under https://energy.databus.dbpedia.org/user#se)
myData	a list or a path to a JSON file with the dataset's metadata (if missing, defaults from the package's inst folder will be taken)

Author(s)

Anastasis Giannousakis

Examples

```
## Not run:
databusUpload(myKey = "a-s3cret-k3y", myData = NULL)

## End(Not run)
```

toolDatabusDownload *Tool: DatabusDownload*

Description

This function downloads a dataset (file) and its metadata from the Energy Databus (<https://energy.databus.dbpedia.org/>)
Data are organised in "artifacts" on the databus. An artifact contains one or more datasets (files)

Usage

```
toolDatabusDownload(  
  artifact,  
  subtype = NULL,  
  databusURL = "https://energy.databus.dbpedia.org"  
)
```

Arguments

artifact	the Databus page hosting the artifact (i.e. one or more datasets and their meta-data)
subtype	the specific dataset (file) to download
databusURL	in case another databus hosts the data, e.g. https://databus.dbpedia.org

Value

a list with the metadata associated with the dataset (file)

Author(s)

Anastasis Giannousakis

Examples

```
## Not run:  
toolDatabusDownload("https://energy.databus.dbpedia.org/giannoupik/GROUPNAME/ARTIFACT/",  
"https://energy.databus.dbpedia.org/giannoupik/GROUPNAME/ARTIFACT/YOURVERSION/  
ARTIFACT_FOO=BAR_TYPE=SOMEDATATYPE.rdf")  
  
## End(Not run)
```

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