Package 'odataR'

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Type Package

Title Access to OData information

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Description Access to OData information.

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LazyData TRUE

RoxygenNote 5.0.1.9000

Imports XML,
    curl,
    dplyr,
    magrittr

R topics documented:

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odataR_get_data   *Get (part of) an OData data structure*

Description

Determines from which structure the data will be extracted

Usage

```
odataR_get_data(root = odataR_get_root(), table_id = NULL, query = NULL,
  save_file_name = NULL)
```

Arguments

`root`	Root of data structure
`table_id`	Identification of table
`query`	OData query to restrict data returned from structure
`save_file_name`	Name of file to save the XML data in or NULL

Examples

```
## Not run:
odataR_get_data(table_id='82935NED')
odataR_get_data(root='http://opendata.cbs.nl/ODataFeed/OData',table_id='82935NED')

## End(Not run)
```

---

odataR_get_root	*Gets the root for OData data structure*

Description

Determines from which structure the data will be extracted

Usage

```
odataR_get_root()
```

Examples

```
odataR_get_root()
```

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odataR_get_subtable	*Copy table (or properties) to a data.frame*

Description

Copy table to a data.frame

Usage

```
odataR_get_subtable(dsn, mt = "table", query = NULL, save_XML = NULL)
```

Arguments

`dsn`	Named character vector with full name of subtable
`mt`	Character 'table' or 'prop' or NULL
`query`	OData query to restrict data returned from structure
`save_XML`	Name of file to save the XML data in or NULL or default name

Examples

```
## Not run:
subtabs = odataR_get_subtables(table_id="82935NED")

## End(Not run)
```

---

odataR_get_subtables   *Get information about sub tables in OData data structure*

Description

Get information about sub tables in OData data structure

Usage

```
odataR_get_subtables(root = odataR_get_root(), table_id = NULL)
```

Arguments

root	Root of data structure
table_id	Identification of table

Examples

```
## Not run:
odataR_get_subtables(table_id='82935NED')
odataR_get_subtables(root='http://opendata.cbs.nl/ODataFeed/OData',table_id='82935NED')

## End(Not run)
```

---

odataR_get_table   *Get table in decoded form*

Description

Get table in decoded form

Usage

```
odataR_get_table(root = odataR_get_root(), table_id = NULL, query = NULL,
  typed = T, keepcode = c())
```

Arguments

root	Root of data structure
table_id	Identification of table
query	OData query to restrict data returned from structure
typed	Boolean indicating 'TypedDataSet' when T or 'UntypedDataSet' when F#'
keepcode	Character string with dimension(s) for which the coded values are kept

Remark

See http://docs.oasis-open.org/odata/odata/v4.0/errata02/os/complete/part1-protocol/odata-v4.0-errata02-os-part1-protocol-complete.html for details about the query possibilities

Examples

```
## Not run:
df      = odataR_get_table(table_id="82935NED")
df      = odataR_get_table(table_id="82935NED",keepcode = "RegioS")
df      = odataR_get_table(table_id="82935NED",keepcode = c("RegioS","Perioden"))
df      = odataR_get_table(table_id="82935NED",keepcode = "RegioS",
      query  = "?$format=atom&$filter=startswith(RegioS,'NL01')" )
df      = odataR_get_table(table_id="82935NED",
  query  = paste0("?$format=atom&$filter=startswith(RegioS,'NL01')",
                 "&$select=RegioS,Perioden,TotaleInvesteringen_1") )
df      = odataR_get_table(table_id="82935NED",
  query  = paste0("?$format=atom&$filter=startswith(RegioS,'NL01')",
                 "&$select=RegioS,Perioden,TotaleInvesteringen_1",
                 "&$skip=2&$top=3") )

## End(Not run)
```

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odataR_set_root   *Sets the root for OData data structure*

Description

Determines from which structure the data will be extracted

Usage

```
odataR_set_root(root = NULL)
```

Arguments

root   NULL for the default or the url otherwise

Examples

```
odataR_set_root()
odataR_set_root('http://opendata.cbs.nl/ODataFeed/OData')
```

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