

Package ‘Andromeda’

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Type Package

Title AsynchroNous Disk-based Representation of MassivE DAta

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Description A replacement for ff for storing large data objects.

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VignetteBuilder knitr

URL <https://github.com/OHDSI/Andromeda>

BugReports <https://github.com/OHDSI/Andromeda/issues>

Depends dplyr

Imports RSQLite,
DBI,
zip,
methods,
dbplyr

Suggests testthat,
knitr,
rmarkdown

LazyData false

RoxygenNote 7.1.0

Encoding UTF-8

R topics documented:

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andromeda	<i>Create an Andromeda object</i>
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Description

Create an Andromeda object

Usage

```
andromeda()
```

Details

By default the Andromeda object is created in the systems temporary file location. You can override this by specifying a folder using `options(andromedaTempFolder = "c:/andromedaTemp")`, where "c:/andromedaTemp" is the folder to create the Andromeda objects in.

appendToTable	<i>Append to an Andromeda table</i>
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Description

Append to an Andromeda table

Usage

```
appendToTable(tbl, data)
```

Arguments

tbl	An Andromeda table. This must be a base table (i.e. it cannot be a query result).
data	The data to append. This can be either a data.frame or another Andromeda table.

batchApply	<i>Apply a function to batches of data in an Andromeda table</i>
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Description

Apply a function to batches of data in an Andromeda table

Usage

```
batchApply(tbl, fun, ..., batchSize = 10000, safe = FALSE)
```

Arguments

tbl	An Andromeda table (or any other DBI table).
fun	A function where the first argument is a data frame.
...	Additional parameters passed to fun.
batchSize	Number of rows to fetch at a time.
safe	Create a copy of tbl first? Allows writing to the same Andromeda as being read from.

Details

This function is similar to the `lapply` function, in that it applies a function to sets of data. In this case, the data is batches of data from an Andromeda table. Each batch will be presented to the function as a data frame.

isAndromeda	<i>Check whether an object is an Andromeda object</i>
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Description

Check whether an object is an Andromeda object

Usage

```
isAndromeda(x)
```

Arguments

x	The object to check.
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Details

Checks whether an object is an Andromeda object.

Value

A logical value.

loadAndromeda	<i>Load Andromeda from file</i>
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Description

Load Andromeda from file

Usage

```
loadAndromeda(fileName)
```

Arguments

fileName	The path where the object is stored.
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names, Andromeda-method

names

Description

Show the names of the tables in an Andromeda object.

Usage

```
## S4 method for signature 'Andromeda'
names(x)
```

Arguments

x An Andromeda object.

saveAndromeda

Save Andromeda to file

Description

Save Andromeda to file

Usage

```
saveAndromeda(
  andromeda,
  fileName,
  maintainConnection = FALSE,
  overwrite = TRUE
)
```

Arguments

andromeda An object of class Andromeda.

fileName The path where the object will be written.

maintainConnection

Should the connection be maintained after saving? If FALSE, the Andromeda object will be invalid after this operation, but saving will be faster.

overwrite If the file exists, should it be overwritten? If FALSE and the file exists, an error will be thrown.

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