Package ‘DrillR’
June 29, 2016

Type Package
Title R Driver for Apache Drill
Version 0.1
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Author Hanbing Yang
Depends R (>= 3.0.2)
Imports httr,methods
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Description Provides a R driver for Apache Drill<https://drill.apache.org>, which could connect to the Apache Drill cluster<https://drill.apache.org/docs/installing-drill-on-the-cluster> or drillbit<https://drill.apache.org/docs/embedded-mode-prerequisites> and get result (in data frame) from the SQL query and check the current configuration status. This link <https://drill.apache.org/docs> contains more information about Apache Drill.
License GPL
RoxygenNote 5.0.1
NeedsCompilation no
Repository CRAN
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drill-class

Class drill defines a Apache Drill driver class.

Description

Class drill defines a Apache Drill driver class.

Slots

- host  A string denoting the Apache Drill cluster/node host
- port  A numeric denoting the Apache Drill cluster/node port

rdrill

Get the Apache Drill Connection, return the RDrill object.

Description

Get the Apache Drill Connection, return the RDrill object.

Usage

rdrill(host, port)

## S4 method for signature 'character,numeric'
rdrill(host, port)

Arguments

- host  Apache Drill cluster/node host
- port  Apache Drill cluster/node port

Examples

rdrill("127.0.0.1", 8047)
rd_active

To show whether the connection is active.

Description
To show whether the connection is active.

Usage

rd_active(object)

## S4 method for signature 'drill'
rd_active(object)

Arguments

object the RDrill object

Examples

#rd_active(R_DRILL_OBJECT) #please replace 'R_DRILL_OBJECT' with your RDrill object.

rd_metrics

Show the information of the memory metrics.

Description
Show the information of the memory metrics.

Usage

rd_metrics(object)

## S4 method for signature 'drill'
rd_metrics(object)

Arguments

object the RDrill object

Examples

#rd_metrics(R_DRILL_OBJECT) #please replace 'R_DRILL_OBJECT' with your RDrill object.
### rd_options

*Show the information of the system and session options such as name and data type and so forth.*

**Description**

Show the information of the system and session options such as name and data type and so forth.

**Usage**

```r
rd_options(object)
```

```r
# S4 method for signature 'drill'
rd_options(object)
```

**Arguments**

- `object`  
  the RDrill object

**Examples**

```r
#rd_options(R_DRILL_OBJECT) #please replace 'R_DRILL_OBJECT' with your RDrill object.
```

### rd_profiles

*Show the information about the running and completed queries.*

**Description**

Show the information about the running and completed queries.

**Usage**

```r
rd_profiles(object)
```

```r
# S4 method for signature 'drill'
rd_profiles(object)
```

**Arguments**

- `object`  
  the RDrill object

**Examples**

```r
#rd_profiles(R_DRILL_OBJECT) #please replace 'R_DRILL_OBJECT' with your RDrill object.
```
rd_query

Submit a SQL query and return results as a data frame.

Description
Submit a SQL query and return results as a data frame.

Usage
rd_query(object, sql)

## S4 method for signature 'drill'
rd_query(object, sql)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>object</td>
<td>the RDrill object</td>
</tr>
<tr>
<td>sql</td>
<td>the query submitted</td>
</tr>
</tbody>
</table>

Examples
#rd_query(R_DRILL_OBJECT, SQL_QUERY) #please replace 'R_DRILL_OBJECT' with your RDrill object.

rd_stats
Show the information of Drillbits, their ports and hosts.

Description
Show the information of Drillbits, their ports and hosts.

Usage
rd_stats(object)

## S4 method for signature 'drill'
rd_stats(object)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>object</td>
<td>the RDrill object</td>
</tr>
</tbody>
</table>

Examples
#rd_stats(R_DRILL_OBJECT) #please replace 'R_DRILL_OBJECT' with your RDrill object.
rd_storages

Show the configurations of the storage plugins.

Description

Show the configurations of the storage plugins.

Usage

rd_storages(object)

## S4 method for signature 'drill'
rd_storages(object)

Arguments

object the RDrill object

Examples

#rd_storages(R_DRILL_OBJECT) #please replace 'R_DRILL_OBJECT' with your RDrill object.

rd_threads

Show the information of the threads status.

Description

Show the information of the threads status.

Usage

rd_threads(object)

## S4 method for signature 'drill'
rd_threads(object)

Arguments

object the RDrill object

Examples

#rd_threads(R_DRILL_OBJECT) #please replace 'R_DRILL_OBJECT' with your RDrill object.
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