

Package ‘DrillR’

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Type Package

Title R Driver for Apache Drill

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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 | <i>Class drill defines a Apache Drill driver class.</i> |
|-------------|---|

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 | <i>Get the Apache Drill Connection, return the RDrill object.</i> |
|--------|---|

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 | <i>To show whether the connection is active.</i> |
|-----------|--|

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 | <i>Show the information of the memory metrics.</i> |
|------------|--|

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 | <i>Show the information of the system and session options such as name and data type and so forth.</i> |
|------------|--|

Description

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

Usage

```
rd_options(object)

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

Arguments

object the RDrill object

Examples

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

| | |
|-------------|--|
| rd_profiles | <i>Show the information about the running and completed queries.</i> |
|-------------|--|

Description

Show the information about the running and completed queries.

Usage

```
rd_profiles(object)

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

Arguments

object the RDrill object

Examples

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

| | |
|----------|---|
| rd_query | <i>Submit a SQL query and return results as a data frame.</i> |
|----------|---|

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

| | |
|--------|---------------------|
| object | the RDrill object |
| sql | the query submitted |

Examples

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

| | |
|----------|--|
| rd_stats | <i>Show the information of Drillbits, their ports and hosts.</i> |
|----------|--|

Description

Show the information of Drillbits, their ports and hosts.

Usage

```
rd_stats(object)

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

Arguments

| | |
|--------|-------------------|
| object | the RDrill object |
|--------|-------------------|

Examples

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

| | |
|-------------|--|
| rd_storages | <i>Show the configurations of the storage plugins.</i> |
|-------------|--|

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 | <i>Show the information of the threads status.</i> |
|------------|--|

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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