

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 drill-bit<<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>
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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 *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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