

# Package ‘DrillR’

October 12, 2022

**Type** Package

**Title** R Driver for Apache Drill

**Version** 0.1

**Date** 2016-06-28

**Author** Hanbing Yang

**Depends** R (>= 3.0.2)

**Imports** httr,methods

**Maintainer** Hanbing Yang <hanbingflying@sina.com>

**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

**Date/Publication** 2016-06-29 15:57:26

## R topics documented:

|                       |   |
|-----------------------|---|
| drill-class . . . . . | 2 |
| rdrill . . . . .      | 2 |
| rd_active . . . . .   | 3 |
| rd_metrics . . . . .  | 3 |
| rd_options . . . . .  | 4 |
| rd_profiles . . . . . | 4 |
| rd_query . . . . .    | 5 |
| rd_stats . . . . .    | 5 |
| rd_storages . . . . . | 6 |
| rd_threads . . . . .  | 6 |

**Index**[7](#)


---

|             |   |
|-------------|---|
| 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.
```

# Index

## \* **RDrillClass**

rdrill, 2

## \* **RDrillGeneric**

rd\_active, 3

rd\_metrics, 3

rd\_options, 4

rd\_profiles, 4

rd\_query, 5

rd\_stats, 5

rd\_storages, 6

rd\_threads, 6

drill-class, 2

rd\_active, 3

rd\_active,drill-method (rd\_active), 3

rd\_metrics, 3

rd\_metrics,drill-method (rd\_metrics), 3

rd\_options, 4

rd\_options,drill-method (rd\_options), 4

rd\_profiles, 4

rd\_profiles,drill-method (rd\_profiles),

4

rd\_query, 5

rd\_query,drill-method (rd\_query), 5

rd\_stats, 5

rd\_stats,drill-method (rd\_stats), 5

rd\_storages, 6

rd\_storages,drill-method (rd\_storages),

6

rd\_threads, 6

rd\_threads,drill-method (rd\_threads), 6

rdrill, 2

rdrill,character,numeric-method

(rdrill), 2