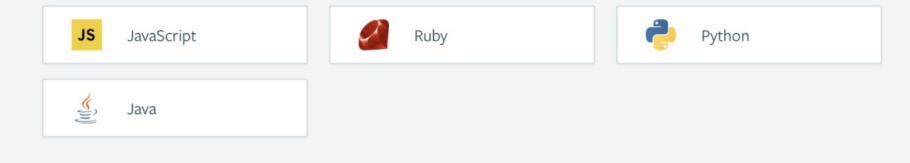
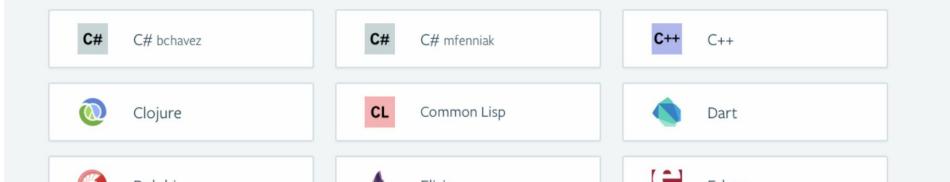


Official drivers



Current community-supported drivers

These drivers have been updated to use the JSON driver protocol and at least RethinkDB 2.0 ReQL.



Data Explorer







Clear

Run

1 row returned in 3ms.

Tree view

Table Viewer View

Table view

Raw view

Query profile

```
"deleted": 0 ,
  "errors": 0 ,

"generated_keys": [
        "f7c927d5-7bc8-48c2-9bb5-039382049aaa" ,
        "fbeb1363-2a63-46a8-bfdb-d1ba2ccdc0e3"
] ,
    "inserted": 2 ,
    "replaced": 0 ,
    "skipped": 0 ,
    "unchanged": 0
```

Data Explorer 1 r.table('tv_shows').count() Clear Run 1 row returned in 1ms. Tree view Table Viewer View Table view Raw view Query profile

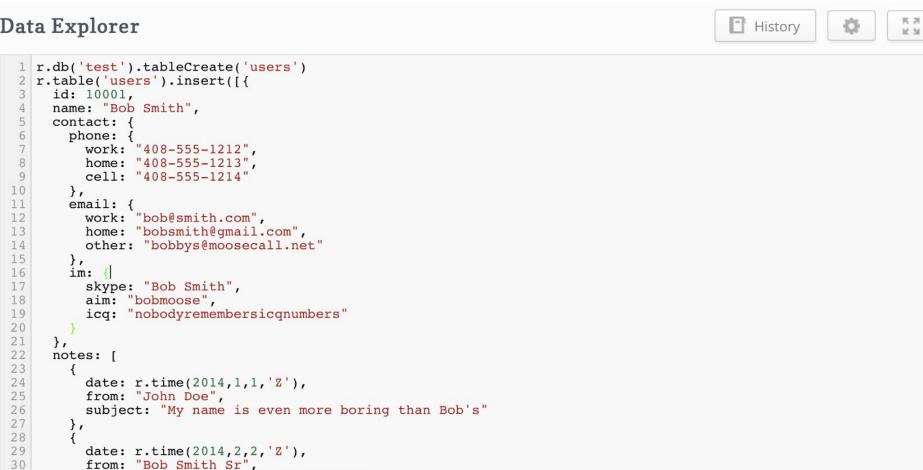
2

K Z Data Explorer History 16.36 1 r.table('tv_shows').filter(r.row('episodes').gt(100)) Clear Run 1 row returned. Table Viewer View Tree view Table view Raw view Query profile "episodes": 178, "id": "f7c927d5-7bc8-48c2-9bb5-039382049aaa", "name": "Star Trek TNG"

Data Explorer

31

32 33 34 }]) subject: "Happy Second of February"





"408-555-1212"

1 r.table('users').get(10001)('contact')('phone')('work')

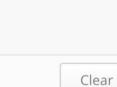














Run

10.31



1 row returned in <1 ms. Tree view Table Viewer View Table view

Raw view Query profile

Data Explorer







```
1 r.db('test').tableCreate('reviews');
2 r.table('reviews').insert([{ name: 'Star Trek TNG', score: 10 },
                              { name: 'Star Trek TNG', score: 9 }]);
```

Tree view

Clear

Run

1 row returned in 10ms. "deleted": 0 , "errors": 0 , "generated keys": ["07ed3575-03f0-464d-ba73-314eaa282a3d", "b058896f-e6b2-40e6-aa32-120c581300fc" "inserted": 2 , "replaced": 0 , "skipped": 0 ,

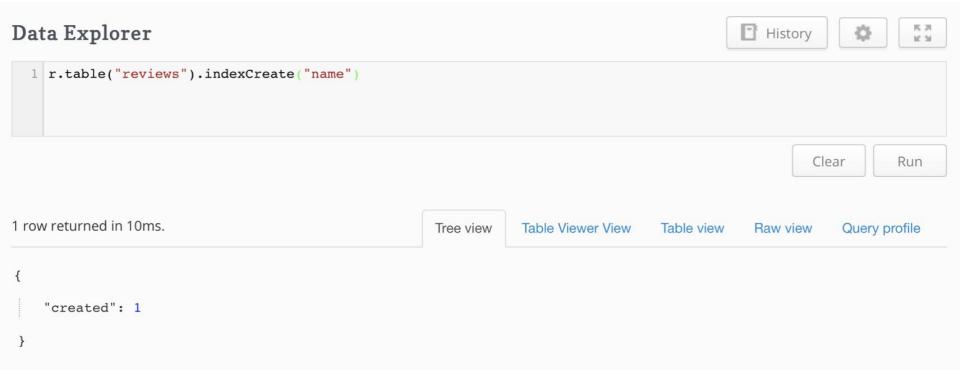
Table Viewer View

Table view

Raw view

Query profile

```
"unchanged": 0
```



```
Data Explorer
                                                                                        History
  1 r.table("tv shows").eqJoin("name", r.table("reviews"), {index: "name"})
                                                                                                 Clear
                                                                                                           Run
2 rows returned. Displaying rows 0-1
                                                   Tree view
                                                              Table Viewer View Table view
                                                                                         Raw view Query profile
 ▼ "left": {
       "episodes": 178,
       "id": "f7c927d5-7bc8-48c2-9bb5-039382049aaa",
       "name": "Star Trek TNG"
  "right": {
       "id": "b058896f-e6b2-40e6-aa32-120c581300fc",
       "name": "Star Trek TNG" ,
       "score": 9
  "left": {
       "episodes": 178 ,
       "id": "f7c927d5-7bc8-48c2-9bb5-039382049aaa",
       "name": "Star Trek TNG"
  "right": {
       "id": "07ed3575-03f0-464d-ba73-314eaa282a3d" ,
       "name": "Star Trek TNG" ,
       "score": 10
```



Languages

- C++ 80.4%
 Python 17.6%
- JavaScript 0.5% C 0.4%
- Ruby 0.3%
 Makefile 0.3%
- Other 0.5%

Creation

```
// Create a secondary index on the last_name attribute
r.table("users").indexCreate("last_name").run(conn,
callback)
```

```
// Wait for the index to be ready to use
r.table("users").indexWait("last_name").run(conn, callback)
```

Querying

```
// Get all users whose last name is "Smith"
r.table("users").getAll("Smith", {index: "last_name"}).run(conn, callback)
// Get all users whose last names are "Smith" or "Lewis"
r.table("users").getAll("Smith", "Lewis", {index: "last_name"}).run(conn, callback)
// Get all users whose last names are between "Smith" and "Wade"
r.table("users").between("Smith", "Wade", {index: "last_name"}).run(conn, callback)
// Efficiently order users by last name using an index
r.table("users").orderBy({index: "last_name"}).run(conn, callback)
// For each blog post, return the post and its author using the last_name index
// (assume "author_full_name" is the name of a field in "posts")
r.table("posts").eqJoin("author_last_name", r.table("users"), {index: "last_name"}) \
    .zip().run(conn, callback)
```

Creation

```
// Create a compound secondary index based on the first_name and last_name attributes
r.table("users").indexCreate(
    "full_name", [r.row("last_name"), r.row("first_name")]
).run(conn, callback)
```

```
// Wait for the index to be ready to use
r.table("users").indexWait("full_name").run(conn, callback)
```

Querying

```
// Get all users whose full name is John Smith.
r.table("users").getAll(["Smith", "John"], {index: "full_name"}).run(conn, callback)
// Get all users whose full name is between "John Smith" and "Wade Welles"
r.table("users").between(
    ["Smith", "John"], ["Welles", "Wade"], {index: "full_name"}
).run(conn, callback)
// Get all users whose last name is Smith.
r.table("users").between(
    ["Smith", r.minval], ["Smith", r.maxval], {index: "full_name"}
).run(conn, callback)
// Efficiently order users by first name and last name using an index
r.table("users").orderBy({index: "full_name"}).run(conn, callback)
// For each blog post, return the post and its author using the full_name index
r.table("posts").eqJoin(
    "author_full_name", r.table("users"), {index: "full_name"}
).run(conn, callback)
```

```
{
    title: "...",
    content: "...",
    tags: [ <tag1>, <tag2>, ... ]
}
```

```
// Wait for the index to be ready to use
r.table("posts").indexWait("tags").run(conn, callback)
```

// Create the multi index based on the field tags

r.table("posts").indexCreate("tags", {multi: true})

Querying

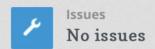
```
// Get all posts with the tag "travel" (where the field tags contains "travel")
r.table("posts").getAll("travel", {index: "tags"}).run(conn, callback)

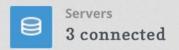
// For each tag, return the tag and the posts that have such tag
r.table("tags").eqJoin("tag", r.table("posts"), {index: "tags"}).run(conn, callback)
```

```
"description": "Perform read." ,
 "duration(ms)": 0.801016 ,
"sub tasks": [
       "parallel tasks": [
                     "description": "Perform read on shard." ,
                     "duration(ms)": 0.045636 ,
                   " "sub tasks": [
                             "description": "Do range scan on secondary index." ,
                             "duration(ms)": 0.009266 ,
                             "sub_tasks": [ ]
                     "description": "Perform read on shard." ,
                     "duration(ms)": 0.050276 ,
                   "sub tasks": [
                             "description": "Do range scan on secondary index." ,
                             "duration(ms)": 0.024168 ,
                             "sub tasks": [ ]
```

"description" . "Derform read on shard "

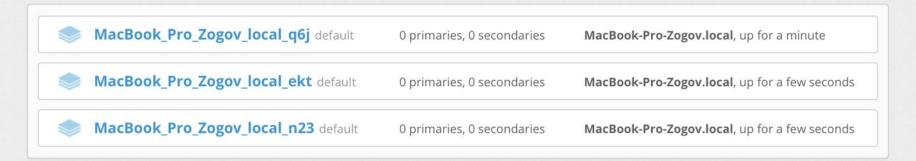


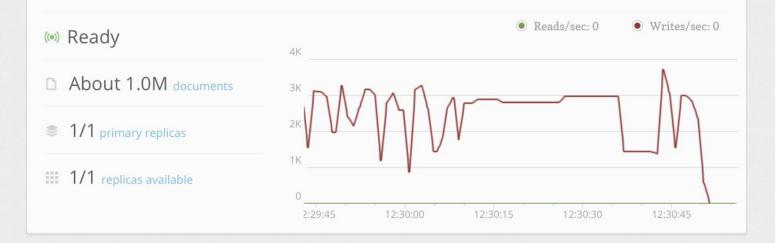


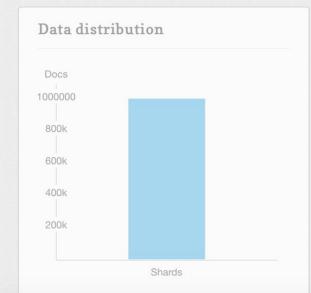


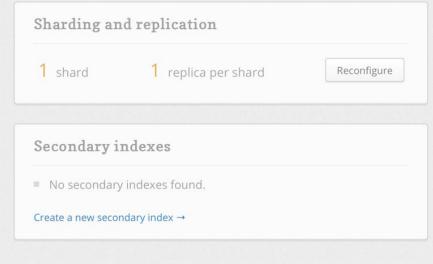


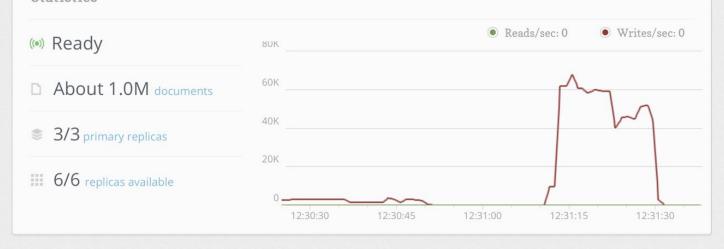
Servers connected to the cluster

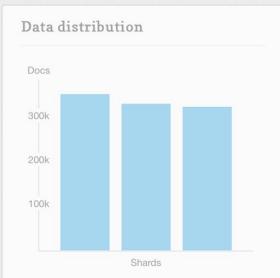


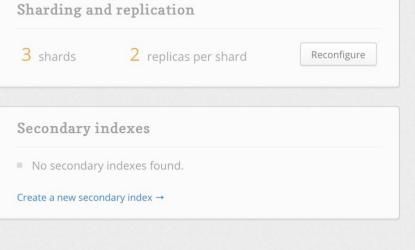
















© 13ms server time

± 24 shard accesses

□ 18ms round-trip time