V1.1版本新特性: SHOW QUERIES [语句](http://doc.cockroachchina.baidu.com/#develop/sql-statements/overview/) 用于列出当前活跃SQL的详细信息，包括：

* 查询的内部ID
* 执行查询的节点
* 执行的SQL语句
* 该查询执行了多久
* 开启这条sql的客户端地址，应用名与用户名

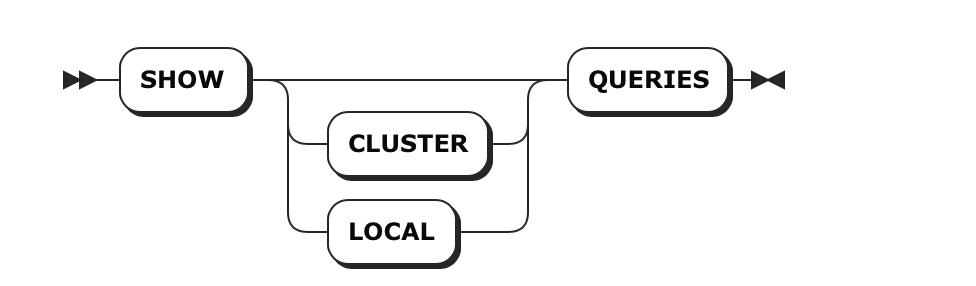
上述的信息可以清楚得了解当前查询的信息，从而找到需要[取消](http://doc.cockroachchina.baidu.com/#develop/sql-statements/CANCEL-QUERY/) 的查询，防止不必要的资源浪费。

Note: Schema变化和BACKUP\RESTORE语句在内部不是作为查询执行的，所以使用SHOW QUERIES时，不会显示这些语句。通过SHOW JOBS可以监管上述的语句。

所需权限

无[权限](http://doc.cockroachchina.baidu.com/#deploy/access-management/privileges/)要求。但是，非 root用户只能查看当前用户执行的活跃查询，而root用户可以查看所有的活跃查询。

概要



* 如果要查看当前集群上所有的活跃查询，使用SHOW QUERIES 或者 SHOW CLUSTER QUERIES.
* 如果仅查看当前节点的活跃查询，使用 SHOW LOCAL QUERIES.

返回

每个查询返回的字段如下：

| **Field** | **Description** |
| --- | --- |
| query\_id | 查询的ID |
| node\_id | 当前连接的节点ID |
| username | 当前连接的用户名 |
| start | 查询开始的时间 |
| query | 查询的SQL语句 |
| client\_address | 发起这条查询的客户端地址与端口 |
| application\_name | 客户端使用的具体 [application name](http://doc.cockroachchina.baidu.com/#develop/sql-statements/SET(session-variable)/#supported-variables)。 对于 [built-in SQL client](http://doc.cockroachchina.baidu.com/#quick-start/learn-cockroachdb-sql/use-the-built-in-sql-client/)，该值为 cockroach. |
| distributed | 如果是true, 这条查询会被分布式SQL执行引擎 (DistSQL) 执行。 如果是 false, 查询会通过本地的SQL引擎执行。如果是 NULL, 表示该条查询正在准备，不知道会通过哪种引擎执行。 |
| phase | 查询执行的阶段。如果是If preparing，表示这条查询正在被解析和生成执行计划。如果是 executing，表示这条语句正在执行。 |

例子

列出整个集群的查询

> **SHOW** CLUSTER QUERIES;

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| query\_id | node\_id | username | start | query | client\_address | application\_name | distributed | phase |

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| 14db657443230c3e0000000000000001 | 1 | root | 2017-08-16 18:00:50.675151+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.56:54119 | test\_app | false | executing |

| 14db657443b68c7d0000000000000001 | 1 | root | 2017-08-16 18:00:50.684818+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.56:54123 | test\_app | false | executing |

| 14db65744382c2340000000000000001 | 1 | root | 2017-08-16 18:00:50.681431+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.56:54103 | test\_app | false | executing |

| 14db657443c9dc660000000000000001 | 1 | root | 2017-08-16 18:00:50.686083+00:00 | SHOW CLUSTER QUERIES | 192.168.12.56:54108 | cockroach | NULL | preparing |

| 14db657443e30a850000000000000003 | 3 | root | 2017-08-16 18:00:50.68774+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.58:54118 | test\_app | false | executing |

| 14db6574439f477d0000000000000003 | 3 | root | 2017-08-16 18:00:50.6833+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.58:54122 | test\_app | false | executing |

| 14db6574435817d20000000000000002 | 2 | root | 2017-08-16 18:00:50.678629+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.57:54121 | test\_app | false | executing |

| 14db6574433c621f0000000000000002 | 2 | root | 2017-08-16 18:00:50.676813+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.57:54124 | test\_app | false | executing |

| 14db6574436f71d50000000000000002 | 2 | root | 2017-08-16 18:00:50.680165+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.57:54117 | test\_app | false | executing |

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(9 rows)

使用 SHOW QUERIES 语句，同样会返回与SHOW CLUSTER QUERIES 相同的结果。

显示当前节点的查询

> **SHOW** **LOCAL** QUERIES;

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| query\_id | node\_id | username | start | query | client\_address | application\_name | distributed | phase |

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| 14db657cd9005cb90000000000000001 | 1 | root | 2017-08-16 18:01:27.5492+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.56:54103 | test\_app | false | executing |

| 14db657cd8d7d9a50000000000000001 | 1 | root | 2017-08-16 18:01:27.546538+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.56:54119 | test\_app | false | executing |

| 14db657cd8e966c40000000000000001 | 1 | root | 2017-08-16 18:01:27.547696+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.56:54123 | test\_app | false | executing |

| 14db657cd92ad8f80000000000000001 | 1 | root | 2017-08-16 18:01:27.551986+00:00 | SHOW LOCAL QUERIES | 192.168.12.56:54122 | cockroach | NULL | preparing |

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(4 rows)

查看具体的查询

将SHOW QUERIES返回的[response fields](http://doc.cockroachchina.baidu.com/#develop/sql-statements/SHOW-QUERIES/#response)字段值作为 [SELECT](http://doc.cockroachchina.baidu.com/#develop/sql-statements/SELECT/)语句的where条件，获取我们需要的查询。

查看node 2上的所有查询

> **SELECT** \* **FROM** [**SHOW** CLUSTER QUERIES]

**WHERE** node\_id = 2;

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| query\_id | node\_id | username | start | query | client\_address | application\_name | distributed | phase |

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| 14db6574435817d20000000000000002 | 2 | root | 2017-08-16 18:00:50.678629+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.57:54121 | test\_app | false | executing |

| 14db6574433c621f0000000000000002 | 2 | root | 2017-08-16 18:00:50.676813+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.57:54124 | test\_app | false | executing |

| 14db6574436f71d50000000000000002 | 2 | root | 2017-08-16 18:00:50.680165+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.57:54117 | test\_app | false | executing |

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(3 rows)

查看所有执行时间超过3小时的查询

> **SELECT** \* **FROM** [**SHOW** CLUSTER QUERIES]

**WHERE** **start** < (**now**() - INTERVAL '3 hours');

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| query\_id | node\_id | username | start | query | client\_address | application\_name | distributed | phase |

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| 14dacc1f9a781e3d0000000000000001 | 2 | mroach | 2017-08-10 11:34:32.778412+00:00 | SELECT \* FROM test.kv ORDER BY k | 192.168.0.72:56194 | test\_app | false | executing |

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查看有某个特定客户端和用户执行的查询

> **SELECT** \* **FROM** [**SHOW** CLUSTER QUERIES]

**WHERE** client\_address = '192.168.0.72:56194'

**AND** username = 'mroach';

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| query\_id | node\_id | username | start | query | client\_address | application\_name | distributed | phase |

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| 14dacc1f9a781e3d0000000000000001 | 2 | mroach | 2017-08-10 14:08:22.878113+00:00 | SELECT \* FROM test.kv ORDER BY k | 192.168.0.72:56194 | test\_app | false | executing |

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排除由 built-in SQL client执行的查询

通过将查看 application\_name不是cockroach 的查询，就可以排除由built-in SQL client执行的查询。

> **SELECT** \* **FROM** [**SHOW** CLUSTER QUERIES]

**WHERE** application\_name != 'cockroach';

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| query\_id | node\_id | username | start | query | client\_address | application\_name | distributed | phase |

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| 14db657443230c3e0000000000000001 | 1 | root | 2017-08-16 18:00:50.675151+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.56:54119 | test\_app | false | executing |

| 14db657443b68c7d0000000000000001 | 1 | root | 2017-08-16 18:00:50.684818+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.56:54123 | test\_app | false | executing |

| 14db65744382c2340000000000000001 | 1 | root | 2017-08-16 18:00:50.681431+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.56:54103 | test\_app | false | executing |

| 14db657443e30a850000000000000003 | 3 | root | 2017-08-16 18:00:50.68774+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.58:54118 | test\_app | false | executing |

| 14db6574439f477d0000000000000003 | 3 | root | 2017-08-16 18:00:50.6833+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.58:54122 | test\_app | false | executing |

| 14db6574435817d20000000000000002 | 2 | root | 2017-08-16 18:00:50.678629+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.57:54121 | test\_app | false | executing |

| 14db6574433c621f0000000000000002 | 2 | root | 2017-08-16 18:00:50.676813+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.57:54124 | test\_app | false | executing |

| 14db6574436f71d50000000000000002 | 2 | root | 2017-08-16 18:00:50.680165+00:00 | UPSERT INTO test.kv(k, v) VALUES ($1, $2) | 192.168.12.57:54117 | test\_app | false | executing |

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(8 rows)

取消一个查询

当我们看到一个查询执行了很久都没有执行完成，可以使用[CANCEL QUERY](http://doc.cockroachchina.baidu.com/#develop/sql-statements/CANCEL-QUERY/) 取消这条语句的执行。 例如，我们可以使用SHOW CLUSTER QUERIES查看执行时间超过3小时的查询：

> **SELECT** \* **FROM** [**SHOW** CLUSTER QUERIES]

**WHERE** **start** < (**now**() - INTERVAL '3 hours');

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| query\_id | node\_id | username | start | query | client\_address | application\_name | distributed | phase |

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| 14dacc1f9a781e3d0000000000000001 | 2 | mroach | 2017-08-10 11:34:32.778412+00:00 | SELECT \* FROM test.kv ORDER BY k | 192.168.0.72:56194 | test\_app | false | executing |

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为了取消长时间运行的查询，阻止他们消耗资源，可以使用语句CANCEL QUERY query\_id，query\_id是某个查询语句的ID。

> CANCEL QUERY '14dacc1f9a781e3d0000000000000001';

See Also

* [Manage Long-Running Queries](http://doc.cockroachchina.baidu.com/#maintain/manage-long-running-queries/)
* [CANCEL QUERY](http://doc.cockroachchina.baidu.com/#develop/sql-statements/CANCEL-QUERY/)
* [SHOW SESSIONS](http://doc.cockroachchina.baidu.com/#develop/sql-statements/SHOW-SESSIONS/)
* [SHOW JOBS](http://doc.cockroachchina.baidu.com/#develop/sql-statements/SHOW-JOBS/)
* [Other SQL Statements](http://doc.cockroachchina.baidu.com/#develop/sql-statements/overview/)