



# Quick guide to managing your SQream cluster

SQream Technologies

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# Quick guide to managing your SQream cluster

Use the following commands and utility functions to manage and monitor SQream.

## SQream cluster status

To verify that SQream is up and running use the following command (based on an alias you define in the user `.bashrc` file).

```
sqream_status
```

If the SQream cluster is fully functional, you should see the following processes:

- `metadata_server`
- `server_picker`
- 1 `sqreamd` process for each instance in the cluster

See Admin Guide - OS for the required alias in the `.bashrc` file.

## SQream version

### From within the database

To see the SQream version while connected to the cluster (in any database or user), use the following utility function:

```
select show_version()
```

### From the O/S layer

To see the SQream version if you are not connected to the cluster, run the following program:

```
sqreamd -version
```

Note that the `sqreamd` program should be in the `.bashrc` file. For more information, see Admin Guide - OS.

## SQream active session

To monitor SQream cluster active sessions, use the following utility function while connected as superuser to the cluster (in any database):

```
select show_server_status();
```

For more information, see [Admin Guide - Monitoring the system](#).

## Session statistics

To check active session statistics and progress, use the following utility function while connected to the cluster (in any database/username):

```
select show_node_info(statement_id);
```

- To find out the *statement\_id*, use the `show_server_status` utility function.
- To see the statements statistics for statements that have already finished executing, refer to the log `clientLogger_execution%`.

For more information on SQream logs, see [Admin Guide - Logs](#).

## SQream locks

To monitor SQream active locks, use the following utility function while connected as a superuser to the cluster (in any database):

```
select show_locks();
```

For more information on SQream locks, see [Admin Guide - Locks](#).

## Stop active statement

To stop a running statement, use the following utility function while connected as a superuser to the cluster (in any database):

```
select stop_statement(statement_id);
```

- To find out the *statement\_id*, use the `show_server_status` utility function.

For more information, see [Admin Guide - Stopping existing statements](#).

## Query execution tree

To see the query execution tree, use the `report ()` utility function with the relevant path and query as the arguments.

**NOTE:** This utility function does not execute the query, it only compiles it.

The output of this report will be a `query.png` image, with the relevant tree.

```
select report('/tmp', $$select a,b,c from tableA a join tableB b  
on a.id=b.id and a>4000 and b like '%this is a sample query%'  
$$);
```

**NOTE:** If you need help in understanding the report, please contact SQream support at [support@sqream.com](mailto:support@sqream.com)