

```
id=50 @127.0.0.1 (mysql-8.0.17 ndb-8.0.17)

[mysqld(API)] 2 node(s)
id=100 @127.0.0.1 (mysql-8.0.17 ndb-8.0.17, allowed single user)
id=101 (not connected, accepting connect from any host)
```



Note

All data and management nodes must be running version 8.0.17 of the NDB Cluster software for this feature to be enabled.

- [EXIT SINGLE USER MODE](#)

Exits single user mode, enabling all SQL nodes (that is, all running `mysqld` processes) to access the database.



Note

It is possible to use [EXIT SINGLE USER MODE](#) even when not in single user mode, although the command has no effect in this case.

- [QUIT, EXIT](#)

Terminates the management client.

This command does not affect any nodes connected to the cluster.

- [SHUTDOWN](#)

Shuts down all cluster data nodes and management nodes. To exit the management client after this has been done, use [EXIT](#) or [QUIT](#).

This command does *not* shut down any SQL nodes or API nodes that are connected to the cluster.

- [CREATE NODEGROUP *nodeid*\[, *nodeid*, ...\]](#)

Creates a new NDB Cluster node group and causes data nodes to join it.

This command is used after adding new data nodes online to an NDB Cluster, and causes them to join a new node group and thus to begin participating fully in the cluster. The command takes as its sole parameter a comma-separated list of node IDs—these are the IDs of the nodes just added and started, and that are to join the new node group. The list must contain no duplicate IDs; beginning with NDB 8.0.26, the presence of any duplicates causes the command to return an error. The number of nodes in the list must be the same as the number of nodes in each node group that is already part of the cluster (each NDB Cluster node group must have the same number of nodes). In other words, if the NDB Cluster consists of 2 node groups having 2 data nodes each, then the new node group must also have 2 data nodes.

The node group ID of the new node group created by this command is determined automatically, and always the next highest unused node group ID in the cluster; it is not possible to set it manually.

For more information, see [Section 23.5.7, “Adding NDB Cluster Data Nodes Online”](#).

- [DROP NODEGROUP *nodegroup_id*](#)

Drops the NDB Cluster node group with the given *nodegroup_id*.

This command can be used to drop a node group from an NDB Cluster. [DROP NODEGROUP](#) takes as its sole argument the node group ID of the node group to be dropped.