DrDroid

Cassandra Cheatsheet

Connection

cqlsh
Connect to Cassandra server using CQL shell

cqlsh HOST
Connect to a specific host

cqlsh HOST PORT
Connect to a specific host and port

cqlsh -u USERNAME -p PASSWORD
Connect with authentication

General Queries

DESCRIBE KEYSPACES;
List all keyspaces

DESCRIBE TABLES;
List all tables in current keyspace

DESCRIBE TABLE keyspace.table;
Get table schema

USE keyspace_name;
Switch to a keyspace

Data Manipulation

SELECT * FROM table_name;
Select all rows from a table

SELECT * FROM table_name LIMIT 10;
Select limited number of rows

SELECT column1, column2 FROM table_name WHERE condition;
Select specific columns with condition

INSERT INTO table_name (column1, column2) VALUES (value1, value2);
Insert data into a table

UPDATE table_name SET column1 = value1 WHERE key = value;
Update data in a table

DELETE FROM table_name WHERE key = value;
Delete data from a table

Schema Operations

CREATE KEYSPACE keyspace_name WITH replication = {'class': 'SimpleStrategy', 'replication_factor': 3};
Create a keyspace

CREATE TABLE table_name (column1 type1 PRIMARY KEY, column2 type2);
Create a table

ALTER TABLE table_name ADD column_name type;
Add a column to a table

DROP TABLE table_name;
Drop a table

DROP KEYSPACE keyspace_name;
Drop a keyspace

Monitoring & Stats

nodetool status
Get status of cluster

nodetool info
Get information about the local node

nodetool tablestats keyspace.table
Get statistics for a table

nodetool tpstats
View thread pool statistics

nodetool cfstats
Get column family statistics

nodetool gcstats
Get garbage collection statistics

Performance Management

nodetool compactionstats
Get compaction statistics

nodetool repair
Repair one or more tables

nodetool flush
Flush one or more tables from memtable to SSTables

nodetool snapshot
Create a snapshot of one or more keyspaces

nodetool clearsnapshot
Remove snapshots

Configuration

nodetool getloggginglevels
Get current logging levels

nodetool setlogginglevel LOGGER LEVEL
Set logging level

nodetool describering keyspace_name
Show ring information for a keyspace

nodetool getendpoints keyspace table key
Get endpoints for a key