cqlsh Cassandra query shell

CONCEPTS

Statements end with a semicolon; shell commands such as DESCRIBE or CONSISTENCY do not need one.

Cluster nodes, partitioner
- **Keyspace** replication settings
  - **Table** partition key + clustering
    - **Row** columns

CONNECT

cqlsh *<host> <port>*
Connect to a node (default port 9042)

cqlsh -u *<user>* **-p** *<password> <host>*
Authenticate on connect

cqlsh -k *<keyspace> <host>*
Start in a keyspace

cqlsh --ssl *<host>*
Connect over TLS

cqlsh -e "*<statement>***"** *<host>*
Run one statement and quit

cqlsh -f *<file.cql> <host>*
Run a script file and quit

cqlsh --request-timeout=*<sec> <host>*
Raise the request timeout (default 10)

EXPLORE SCHEMA

DESCRIBE KEYSPACES
List all keyspaces

DESCRIBE KEYSPACE *<keyspace>*
DDL of one keyspace

DESCRIBE TABLES
Tables in current keyspace

DESCRIBE TABLE *<table>*
DDL of a table

SESSION CONTROL

USE *<keyspace>*;
Make a keyspace current

CONSISTENCY *<level>*
Set consistency level

SESSION CONTROL (cont.)

TRACING ON
Print a trace after each query

EXPAND ON
One column per line

EXIT
Quit the shell

SERVER AND FILES

SHOW VERSION
cqlsh, Cassandra and protocol versions

SOURCE '*<file.cql>***'**
Run a CQL file from the prompt

BASIC CQL

CREATE KEYSPACE *<ks>* **WITH replication = {'class': 'SimpleStrategy', 'replication_factor': 1};**
Create a keyspace

CREATE TABLE *<table>* **(***<id>* **uuid PRIMARY KEY,** *<col>* **text);**
Create a table

INSERT INTO *<table>* **(***<id>***,** *<col>***) VALUES (***<id>***, '***<val>***');**
Insert a row

SELECT * FROM *<table>* **WHERE** *<id>* **=** *<value>*;
Read by partition key

SELECT * FROM *<table>* **LIMIT** *<n>*;
Limit rows returned

UPDATE *<table>* **SET** *<col>* **= '***<val>***' WHERE** *<id>* **=** *<value>*;
Change a column

DELETE FROM *<table>* **WHERE** *<id>* **=** *<value>*;
Delete a row

COPY IMPORT AND EXPORT

COPY *<table>* **TO '***<file.csv>***' WITH HEADER = true;**
Export a table to CSV

COPY *<table>* **FROM '***<file.csv>***' WITH HEADER = true;**
Import CSV into a table