CS300 Couchbase NoSQL Server Administration

Lab 5.1b Exercise Manual

Release: 4.5

Revised: July 26th, 2016

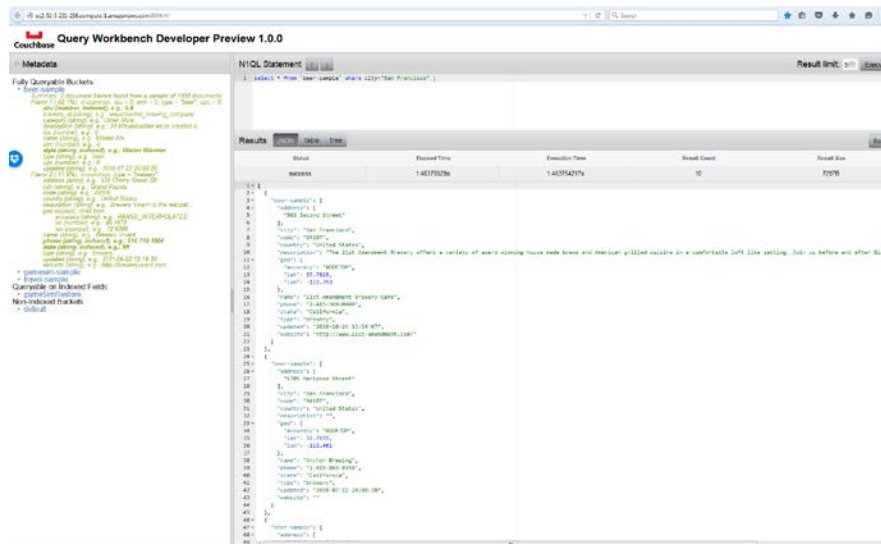# Lab #5: Global Secondary Indexes and N1QL

Objective: This 1-hour lab will first walk you through creating indexes and views using the N1QL prompt. And cover some of the more common N1QL statements.

Overview: **The following high-level steps are involved in this lab:**

    - Download and Use the Couchbase Query Workbench Tool to:
        - Create Primary Beer index
        - Create Secondary beer indexes
        - Use the "Explain" N1QL statement
        - Use the "Select" N1QL statement to display keyspaces and indexes
    - Connect to a couchbase query service node using cbq command from a query node and from an application server.

Try pasting the following commands into your CBQ GUI Windows User

cbq> select * from system:keyspaces;
cbq> select * from system:indexes;

```
cbq> select * from `beer-sample` limit 1;
cbq> create primary index on `beer-sample` using view;
cbq> select * from `beer-sample` limit 1;
cbq> select * from `beer-sample` limit 10;
```

```
cbq> create primary index on `beer-sample` using gsi;
cbq> create primary index on `default` using view;
cbq> create primary index on `default` using gsi;
cbq> create primary index on `game-sample` using view;
cbq> create primary index on `game-sample` using gsi;,
```
"msg": "Keyspace not found keyspace game-sample - cause: No bucket named game-sample"
"status": "fatal",
```
cbq> create primary index on `gamesim-sample` using gsi;
cbq> create index levels on `gamesim-sample`(level) using gsi;
cbq>create index Beer_abv on `beer-sample`(abv) using gsi;
cbq> create index  Beer_by_state on `beer-sample`(state)  using gsi;
```

```
Cbq> create index  Beer_by_state on `beer-sample`(state)  using view;
cbq> create index  Beer_by_phone  on  `beer-sample`(phone)  using gsi;
cbq> create index Beer_abv on `beer-sample`(abv) using gsi;
```