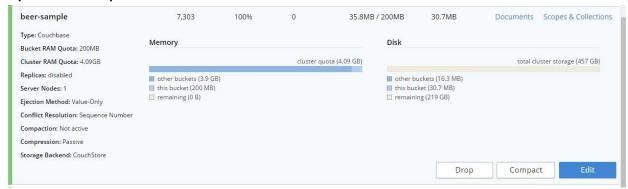
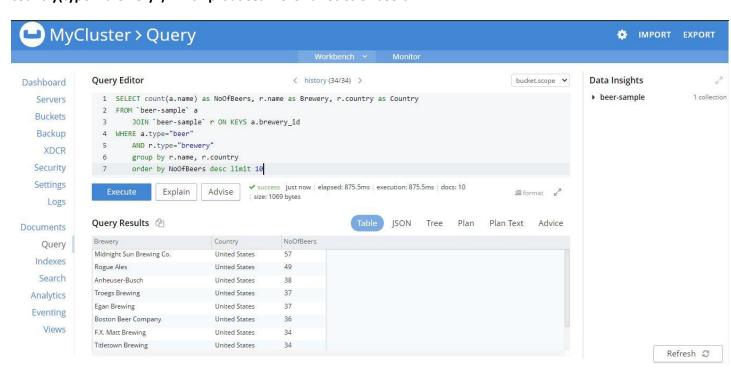
AU 2021 - NoSQL Basics & Fundamentals Assignment

Nayan Narula

1. Import 'beer-sample' bucket



2. Write a join query to fetch the Top 10 brewery(type="beer") and their country(type="brewery") which produces more varieties of beers.



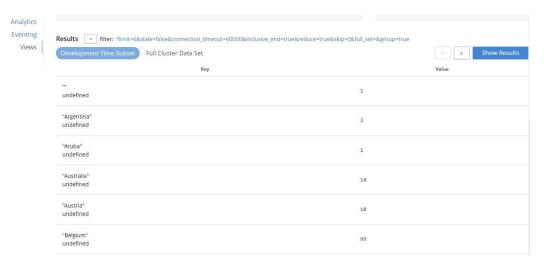
3. Write a mapreduce to get the number of breweries based on country.

Please attach the mapreduce code and json output screenshot.

MapReduce Code:



Output:



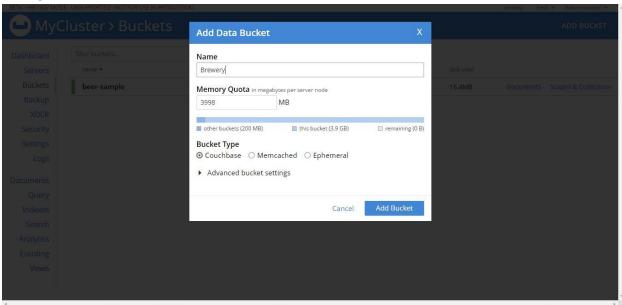
Json screenshot:

```
{"rows":[
{"key":","value":1},
{"key":"Argentina","value":2},
{"key":"Aruba","value":1},
{"key":"Australia","value":14},
{"key":"Austria","value":10},
{"key":"Belgium","value":99}
}
```

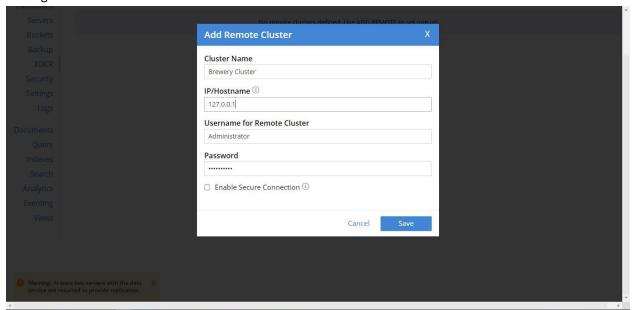
- 4. XDCR:
- a) Add a new bucket "Brewery".
- b) Create a XDCR with a filter(type='brewery') to replicate only the

brewery entity from 'beer-sample' bucket.

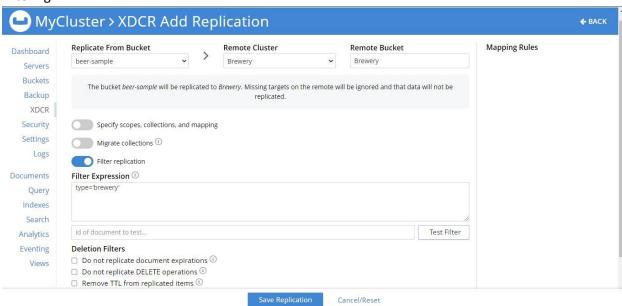
Adding bucket:



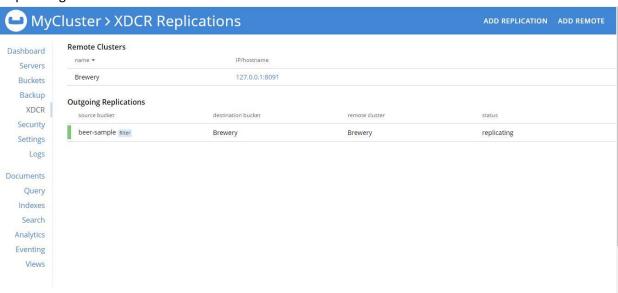
Adding Remote Cluster:



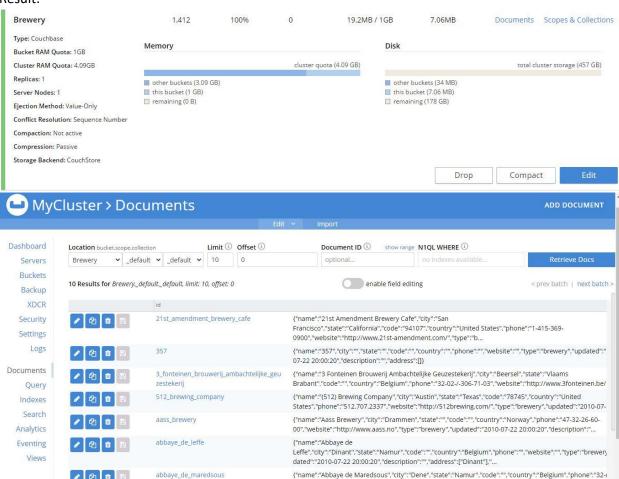
Filtering:



Replicating:



Result:

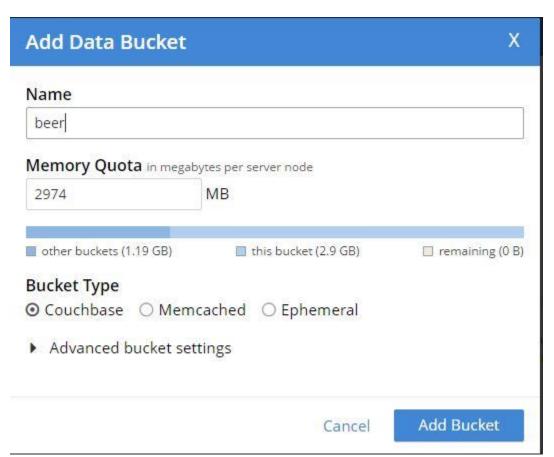


69-82-11", "website": "http://www.maredsous10.be/", "type": "brewery", "updated": "2010-07-22 20:0...

5. CLI:

- a) Add a new bucket "Beer".
- b) Using CLI do a cbexport of the entire 'beer-sample'
- c) And do a chimport with "brewery_id" as primary key. As a result, in the new bucket only "beer" documents will be imported with their respective brewery name as meta().id
- d) Share your observation on counts with screenshot.

Adding bucket:



Cbexport:

```
Administrator Command Prompt

C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Administrator -p 1qazxcvbnm -b beer-sample -o C:/beer-sample.json -f lines -t 4

2021-02-14T17:43:48.961+05:30 WARN: (Couchbase) Unexpected error 'operation timed out after 5s' while trying to get sequence numbers, will retry in 5s -- couchbase.GetSequenceNumbers() at sequence_numbers.go:39

JSON exported to `C:/beer-sample.json` successfully

Documents exported: 7303 Documents skipped: 0

C:\Program Files\Couchbase\Server\bin>
```

Cbimport:

```
C:\Program Files\Couchbase\Server\bin>cbimport json -c couchbase://127.0.0.1 -u Administrator -p 1qazxcvbnm -b beer -d f
ile://C:/beer-sample.json -f lines -g key::%brewery_id%::#UUID# -t 4
```

:

2021-02-14T18:02:08.085+05:30 ERRO: Failed to import document 7302: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*JSONSource).handleError() at source.go:379
JSON import failed: 5891 documents were imported, 1412 documents failed to be imported
JSON import failed: Some errors occurred while transferring data, see logs for more details
C:\Program Files\Couchbase\Server\bin>

Cbimport result:

