NoSQL Assignment

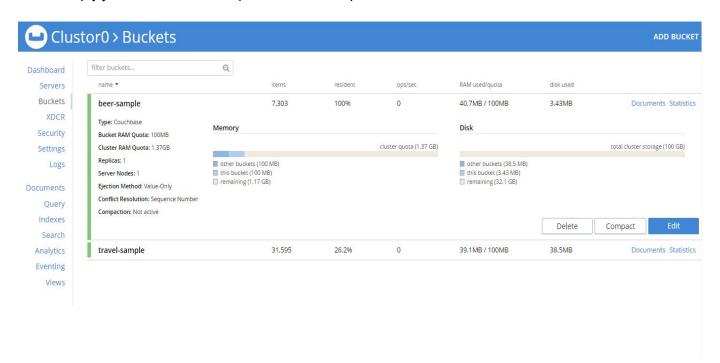
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Q1. Import `beer-sample` bucket.

Go to settings->sample buckets

Then simply just check beer-sample and load sample data.



Q2. Write a join query to fetch the Top 10 brewery(type="beer") and their country(type="brewery") which produces more varieties of beers.

SELECT a.brewery_id,

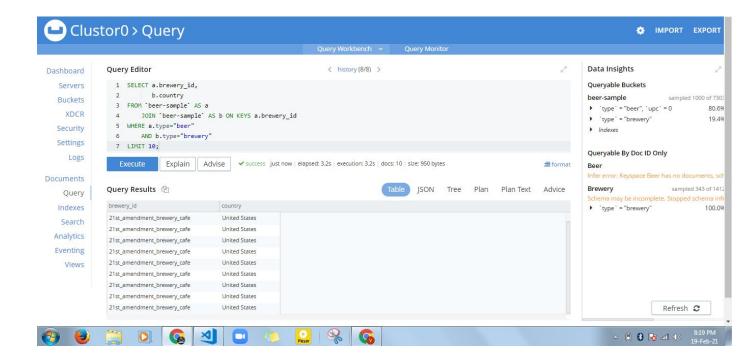
b.country

FROM 'beer-sample' AS a

JOIN 'beer-sample' AS b ON KEYS a.brewery_id

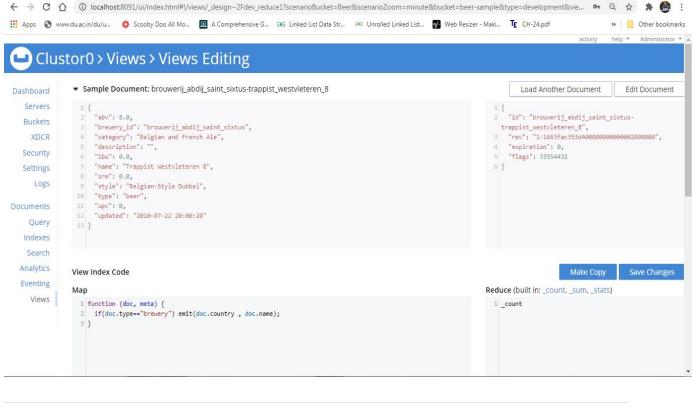
WHERE a.type="beer"

AND b.type="brewery"



Q3. Write a mapreduce to get the number of breweries based on country.

Please attach the mapreduce code and json output screenshot.

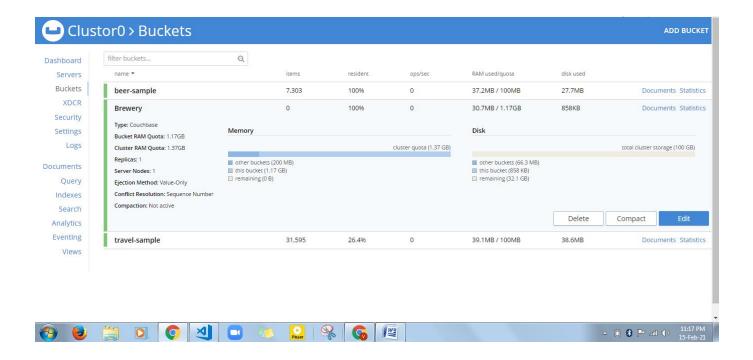


```
{"total_rows":7302,"rows":[
{"id":"21st_amendment_brewery_cafe","key":"21st_amendment_brewery_cafe","value":null},
{"id":"21st_amendment_brewery_cafe-21a_ipa","key":"21st_amendment_brewery_cafe-21a_ipa","value":null},
{"id":"21st_amendment_brewery_cafe-563_stout","key":"21st_amendment_brewery_cafe-563_stout","value":null},
{"id":"21st_amendment_brewery_cafe-amendment_pale_ale","key":"21st_amendment_brewery_cafe-amendment_pale_ale","value":null},
{"id":"21st_amendment_brewery_cafe-bitter_american","key":"21st_amendment_brewery_cafe-bitter_american","value":null},
{"id":"21st_amendment_brewery_cafe-double_trouble_ipa","key":"21st_amendment_brewery_cafe-double_trouble_ipa","value":null},
}
```

Json output

Q4. XDCR:

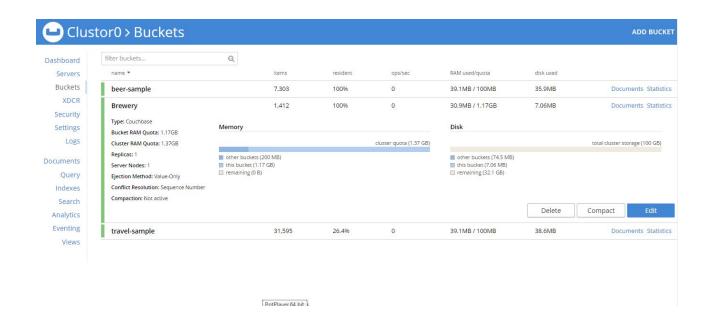
a) Add a new bucket "Brewery".



b) Create a XDCR with a filter(type='brewery') to replicate only the

brewery entity from 'beer-sample' bucket.

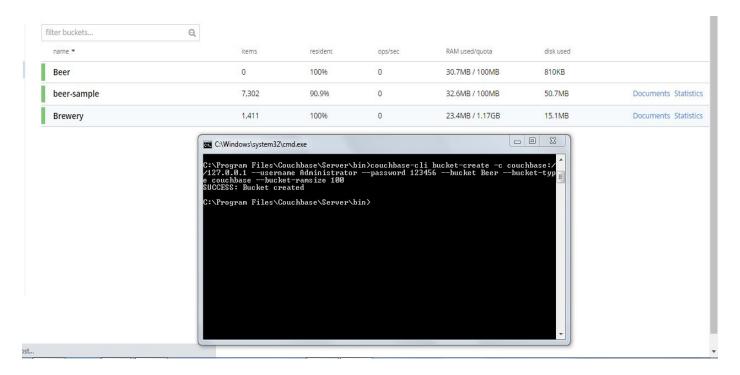




Replicated brewery with only type="brewery"

Q5. CLI:

a) Add a new bucket "Beer".



b) Using CLI - do a cbexport of the entire 'beer-sample'

- Go to Couchbase Bin folder C:\Program Files\Couchbase\Server\bin
- Open Command Prompt from the bin folder

```
C:\Windows\system32\cmd.exe

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Dell>cd C:\Program Files\Couchbase\Server\bin

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

Run the below command to export the data from beer-sample bucket:

cbexport json -c couchbase://127.0.0.1 -u <USER NAME> -p <password> -b beer-sample -o D:/beer-sample.json -f lines -t 4

```
Administrator -p 123456 -b beer-sample -o E:/beer-sample.json -f lines -t 4
Json export failed: failed to execute cluster operations: failed to execute buck
et operations: failed to transfer Analytics for bucket 'beer-sample': failed to
get Analytics metadata: Rest client error (GET http://127.0.0.1:8095/analytics/b
get Analytics metadata: Rest client error (GET http://127.0.0.1-1.8095/analytics/b
dakup?bucket=beer-sample): dial tcp 127.0.0.1:8095: connectex: No connection cou
ld be made because the target machine actively refused it.

C:\Program Files\Couchbase\Server\bin\cbexport json -c couchbase://127.0.0.1 -u
Administrator -p 123456 -b beer-sample -o d:/beer-sample.json -f lines -t 4
Json export failed to transfer Analytics for bucket 'beer-sample': failed to
get Analytics metadata: Rest client error (GET http://127.0.0.1:8095/analytics/b
ackup?bucket=beer-sample): dial tcp 127.0.0.1:8095: connectex: No connection cou
ld be made because the target machine actively refused it.

C:\Program Files\Couchbase\Server\bin\cbexport json -c couchbase://127.0.0.1 -u
Administrator -p 123456 -b beer-sample -o d:/stuff/beer-sample.json -f lines -t
4
Json export failed: failed to execute cluster operations: failed to execute buck
et operations: failed to transfer Analytics for bucket 'beer-sample': failed to
get Analytics metadata: Rest client error (GET http://127.0.0.1:8095/analytics/b
ackup?bucket=beer-sample): dial tcp 127.0.0.1:8095: connectex: No connection cou
ld be made because the target machine actively refused it.
```

Getting this error again and again when trying to export beer-sample bucket.

Run the below command to import the data to Beer.

cbimport json -c couchbase://127.0.0.1 -u <User Name> -p <password> -b Beer -f lines -d file://D:/beer-sample -t 4 -g %id%

Note:

- -u --> UserId which you've created
- -p --> password
- -b --> bucket name

```
C:\Windows\system32\cmd.exe
                                           that failed to have a key generated for them Specifies a file to log debugging information Print debugging information (Has no effect if
   -1,--log-file
   -v,--verbose
                                                                                                            a lo
                                           file is specified)
Specify a comma separated list of field names to i
       --ignore-fields
gnore
                                           (ie. --ignore-fields docID)
   -h, --help
                                           Prints the help message
C:\Program Files\Couchbase\Server\bin>cbimport json -c couchbase://127.0.0.1 -u
Administrator -p 123456 -b Beer -f lines -d file://D:/beer-sample.json -t 4 -g %
brewery_id%
JSON `file://D:/beer-sample.json` imported to `http://127.0.0.1:8091` successful
Documents imported: 0 Documents failed: 0
C:\Program Files\Couchbase\Server\bin>
```

Export was failed therefore 0 documents imported.

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.

