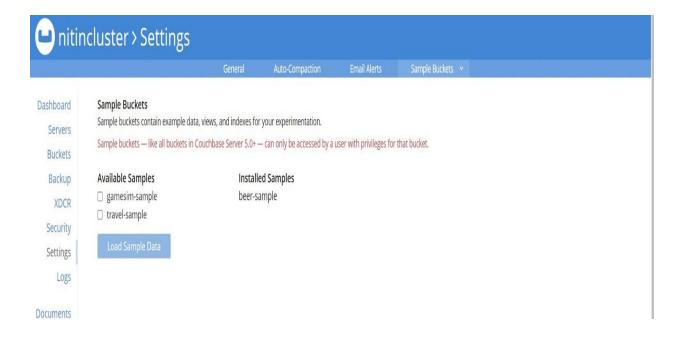
# Spring Au 2021 - February (Batch -2) NoSQL Basics & Fundamentals - Morning

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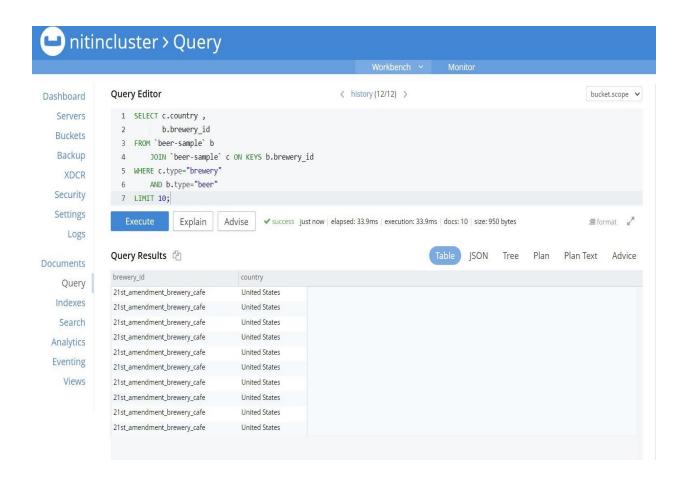
Github - <a href="https://github.com/nitinkaushik10/SAU-Feb-Batch-2/">https://github.com/nitinkaushik10/SAU-Feb-Batch-2/</a>

## 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.

```
SELECT c.country ,
b.brewery_id
FROM `beer-sample` b
JOIN `beer-sample` c ON KEYS b.brewery_id
WHERE c.type="brewery"
AND b.type="beer"
LIMIT 10;
```



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

Please attach the mapreduce code and json output screenshot.

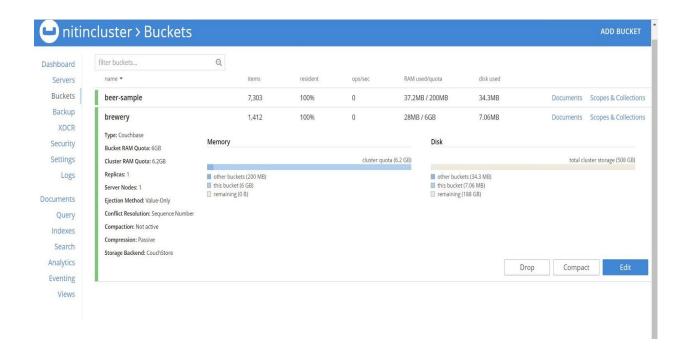
# Map reduce code

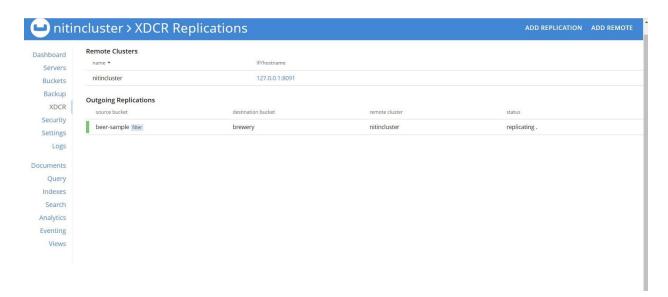
```
function (doc, meta) {
  if(doc.type == "brewery")
  {
    emit(doc.country,doc.name);
  }
}
```

### 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.





#### nitincluster > XDCR Add Replication Replicate From Bucket Remote Cluster Remote Bucket Dashboard beer-sample nitincluster brewery Servers Buckets The bucket beer-sample will be replicated to nitincluster. Missing targets on the remote will be ignored and that data will not be replicated. Backup **XDCR** Specify scopes, collections, and mapping Security Migrate collections (1) Settings Filter replication Logs Filter Expression (1) Documents REGEXP\_CONTAINS(type,"brewery") Query Indexes Search id of document to test... Test Filter Analytics **Deletion Filters** Eventing ☐ Do not replicate document expirations ① ☐ Do not replicate DELETE operations ① Views

# 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

a) Add a new bucket "Beer".

couchbase-cli bucket-create -c couchbase://127.0.0.1 --username Administrator --password nitincluster --bucket Beer --bucket-type couchbase --bucket-ramsize 200

C:\Program Files\Couchbase\Server\bin>couchbase-cli bucket-create -c couchbase://127.0.0.1 --username Administrator --password nitincluster --bucket Beer --bucket-type couchbase --bucket-ramsize 200 SUCCESS: Bucket created

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

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

cbexport json -c couchbase://127.0.0.1 -u Administrator -p nitincluster -b beer-sample -o G:/beer-sample.json -f lines -t 4

C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Administrator -p nitincluster -b beer-sample -o G:/beer-sample.json -f lines -t 4 JSON exported to `G:/beer-sample.json` successfully Documents exported: 7303 Documents skipped: 0

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

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

cbimport json -c couchbase://127.0.0.1 -u Administrator -p nitincluster -b beer -f lines -d file://G:/beer-sample.json -t 4 -g %brewery\_id%

C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.18363.1256] (c) 2019 Microsoft Corporation. All rights reserved.

::\Program Files\Couchbase\Server\bin>cbimport json -c couchbase://127.0.0.1 -u Administrator -p nitincluster -b Beer -f lines -d file://G:/beer-sample.json -t 4 -g %brewery\_id%

