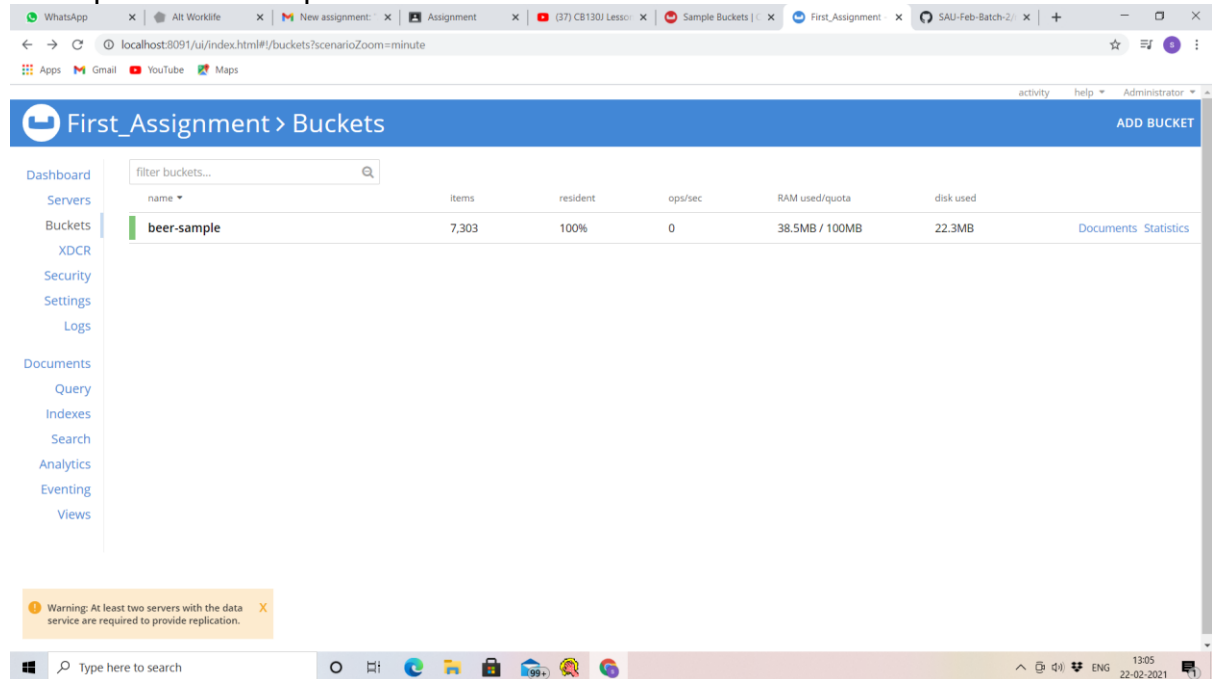


1. Import `beer-sample` bucket



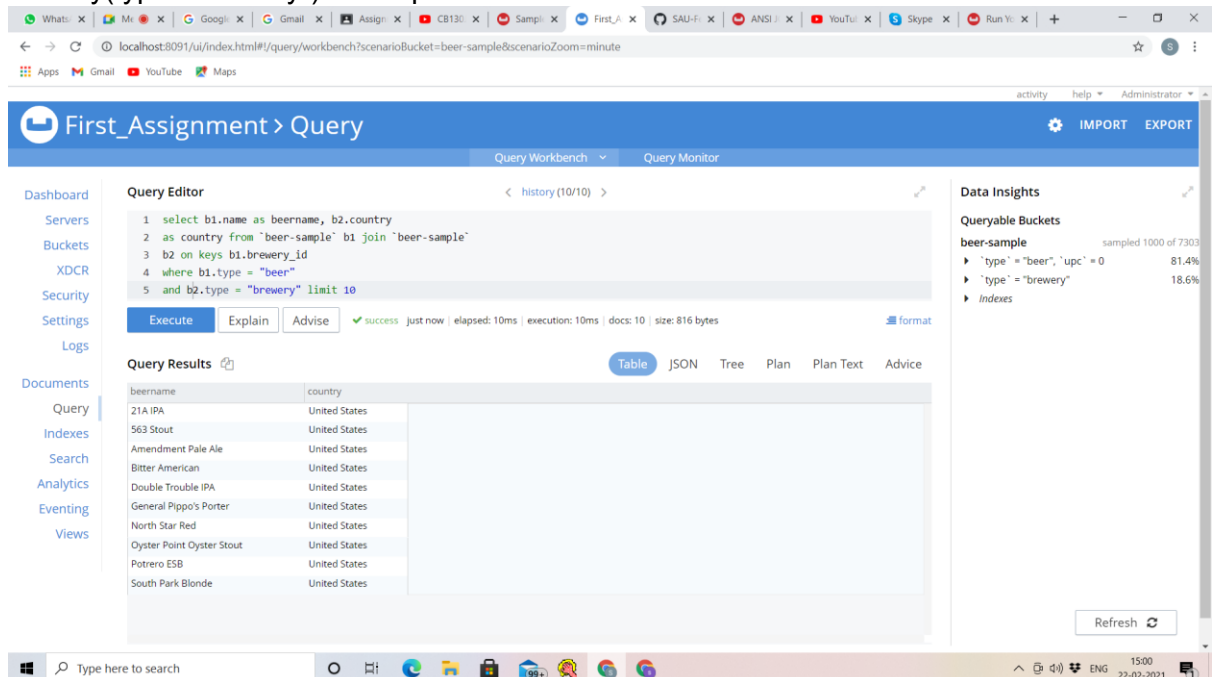
First_Assignment > Buckets

filter buckets...

name	items	resident	ops/sec	RAM used/quota	disk used	Documents	Statistics
beer-sample	7,303	100%	0	38.5MB / 100MB	22.3MB		

Warning: At least two servers with the data service are required to provide replication.

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



First_Assignment > Query

Query Editor

```
1 select b1.name as beername, b2.country
2 as country from `beer-sample` b1 join `beer-sample`
3 b2 on keys b1.brewery_id
4 where b1.type = `beer`
5 and b2.type = `brewery` limit 10
```

Execute Explain Advise success just now | elapsed: 10ms | execution: 10ms | docs: 10 | size: 816 bytes

Query Results

beername	country
21A IPA	United States
563 Stout	United States
Amendment Pale Ale	United States
Bitter American	United States
Double Trouble IPA	United States
General Pippo's Porter	United States
North Star Red	United States
Oyster Point Oyster Stout	United States
Potrero ESB	United States
South Park Blonde	United States

Data Insights

Queryable Buckets

beer-sample sampled 1000 of 7303

- ▶ 'type' = `beer`, 'upc' = 0 81.4%
- ▶ 'type' = `brewery` 18.6%
- ▶ Indexes

Refresh

3. Write a mapreduce to get the number of breweries based on country. Please attach the mapreduce code and json output screenshot.

View Index Code

Map

```
1 function (doc, meta) {
2   if (doc.type == "brewery"){
3     emit([doc.country, doc.type], null);
4   }
5 }
```

Reduce (built in: _count, _sum, _stats)

```
1 _count
```

Results Development Time Subset [Full Cluster Data Set](#) [Show Results](#)

Key	Value
[" ", "brewery"] undefined	1
["Argentina", "brewery"] undefined	2
["Aruba", "brewery"] undefined	1

Results Development Time Subset [Full Cluster Data Set](#) [Show Results](#)

Key	Value
[" ", "brewery"] undefined	1
["Argentina", "brewery"] undefined	2
["Aruba", "brewery"] undefined	1
["Australia", "brewery"] undefined	14
["Austria", "brewery"] undefined	10
["Belgium", "brewery"] undefined	99

4.

1. XDCR:

- Add a new bucket "Brewery".
- Create a XDCR with a filter(type='brewery') to replicate only the brewery entity from `beer-sample` bucket.

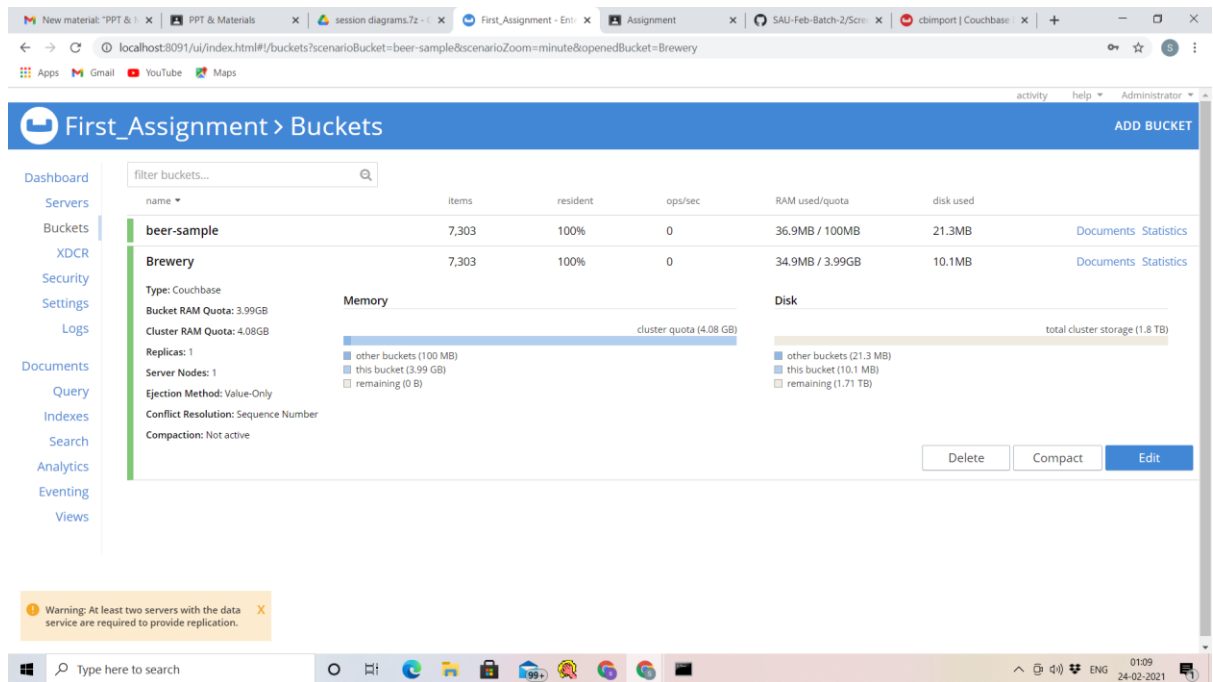
The screenshot shows the 'First_Assignment > XDCR Replications' page. The left sidebar contains navigation links: Dashboard, Servers, Buckets, XDCR, Security, Settings, Logs, Documents, Query, Indexes, Search, Analytics, Eventing, and Views. The main content area has a 'Remote Clusters' table with one entry: 'First_Assignment' with IP '127.0.0.1:8091'. Below it is an 'Outgoing Replications' table with one entry: 'beer-sample' source bucket replicating to 'Brewery' destination bucket on 'First_Assignment' remote cluster. A warning message at the bottom states: 'Warning: At least two servers with the data service are required to provide replication.'

name	IP/hostname
First_Assignment	127.0.0.1:8091

source bucket	destination bucket	remote cluster	status
beer-sample	Brewery	First_Assignment	replicating ..

The screenshot shows the 'First_Assignment > Buckets' page. The left sidebar is the same as the previous screenshot. The main content area has a search bar 'filter buckets...' and a table listing buckets. The table has columns: name, items, resident, ops/sec, RAM used/quota, disk used, and links for Documents and Statistics. There are two entries: 'beer-sample' and 'Brewery'. A warning message at the bottom states: 'Warning: At least two servers with the data service are required to provide replication.'

name	items	resident	ops/sec	RAM used/quota	disk used	Documents	Statistics
beer-sample	7,303	100%	0	38.9MB / 100MB	25.3MB	Documents	Statistics
Brewery	7,303	100%	0	34.9MB / 3.99GB	10.1MB	Documents	Statistics



5. CLI:

- Add a new bucket "Beer".
- Using CLI - do a cbexport of the entire 'beer-sample'
- And do a cbimport 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
- Share your observation on counts with screenshot.

```

C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Administrator -p 9989299045 -b beer-sample -o D:/beer-sample.json -f lines -t 4
Json export failed: open D:/beer-sample.json: The system cannot find the path specified.

C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Administrator -p 9989299045 -b beer-sample -o C:/beer-sample.json -f lines -t 4
Json export failed: open C:/beer-sample.json: Access is denied.

C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Administrator -p 9989299045 -b beer-sample -o C:/Downloads/beer-sample.json -f lines -t 4
Json export failed: open C:/Downloads/beer-sample.json: Access is denied.

C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Administrator -p 9989299045 -b beer-sample -o C:/Downloads/beer-sample.json -f lines -t 4
Documents exported to 'C:/Downloads/beer-sample.json' successfully
Documents exported: 7303 Documents skipped: 0

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

```
Command Prompt
--no-ssl-verify      Skips SSL verification of certificates against CA
-l,--log-file        Specifies a file to log debugging information
-v,--verbose         Print debugging information (Has no effect if a log
                    file is specified)
-t,--threads         The amount of parallelism use (Default is 1)
-h,--help            Prints the help message

C:\Program Files\Couchbase\Server\bin>couchexport json -c couchbase://127.0.0.1 -u Administrator -p 9989299045 -b beer-sample -o D:/beer-sample.json -f lines -t 4
Json export failed: open D:/beer-sample.json: The system cannot find the path specified.

C:\Program Files\Couchbase\Server\bin>couchexport json -c couchbase://127.0.0.1 -u Administrator -p 9989299045 -b beer-sample -o C:/beer-sample.json -f lines -t 4
Json export failed: open C:/beer-sample.json: Access is denied.

C:\Program Files\Couchbase\Server\bin>couchexport json -c couchbase://127.0.0.1 -u Administrator -p 9989299045 -b beer-sample -o C:/Downloads/beer-sample.json -f lines -t 4
Json exported to 'C:/Downloads/beer-sample.json' successfully
Documents exported: 7303 Documents skipped: 0

C:\Program Files\Couchbase\Server\bin>couchimport json -c couchbase://127.0.0.1 -u Administrator -p 9989299045 -b Beer -f lines -d C:/Downloads/beer-sample.json -t 4 -g %brewery_id%
JSON import failed: file uri must be prefixed with file://

C:\Program Files\Couchbase\Server\bin>couchimport json -c couchbase://127.0.0.1 -u Administrator -p 9989299045 -b Beer -f lines -d file://C:/Downloads/beer-sample.json -t 4 -g %brewery_id%
2021-02-24T01:37:59.657405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
2021-02-24T01:37:59.658405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
2021-02-24T01:37:59.660405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
2021-02-24T01:37:59.662405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
2021-02-24T01:37:59.663405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
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2021-02-24T01:37:59.669405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
2021-02-24T01:37:59.672405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
2021-02-24T01:37:59.674405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
2021-02-24T01:37:59.674405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
2021-02-24T01:37:59.675405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
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2021-02-24T01:37:59.676405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
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2021-02-24T01:37:59.680405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
2021-02-24T01:37:59.681405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
2021-02-24T01:37:59.682405+30 ERROR: Error in key expression at char 0, field 'brewery_id' does not exist -- jsontdata.(*Parallelizer).Execute.func1() at source.go:217
```