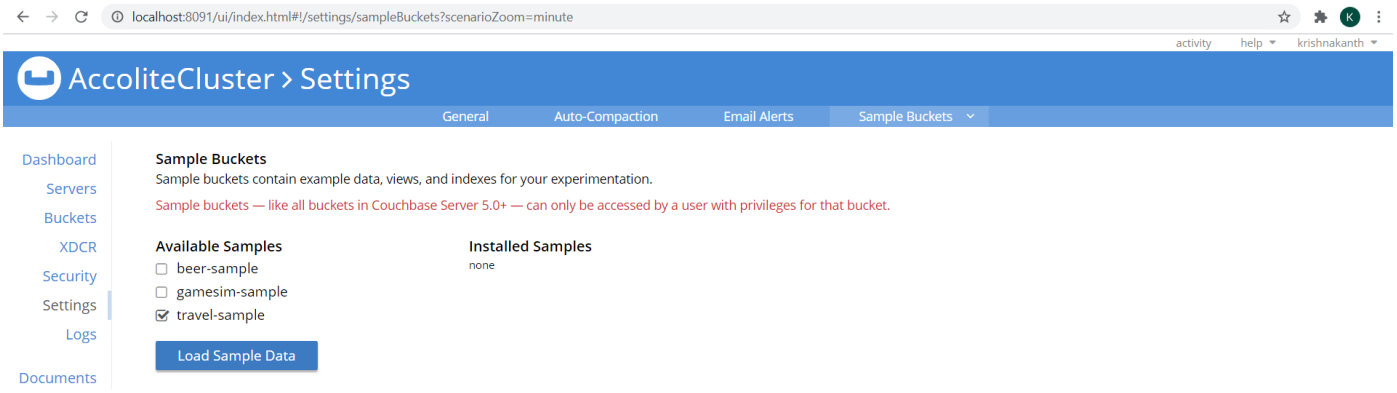
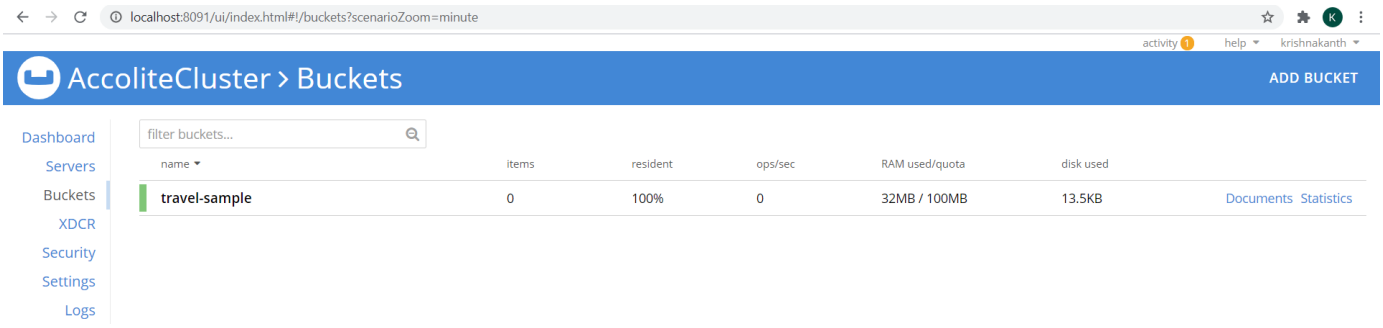
NoSQL Basics/Fundamentals ASSIGNMENT

By Krishnakanth E

1) Import `travel-sample` bucket.

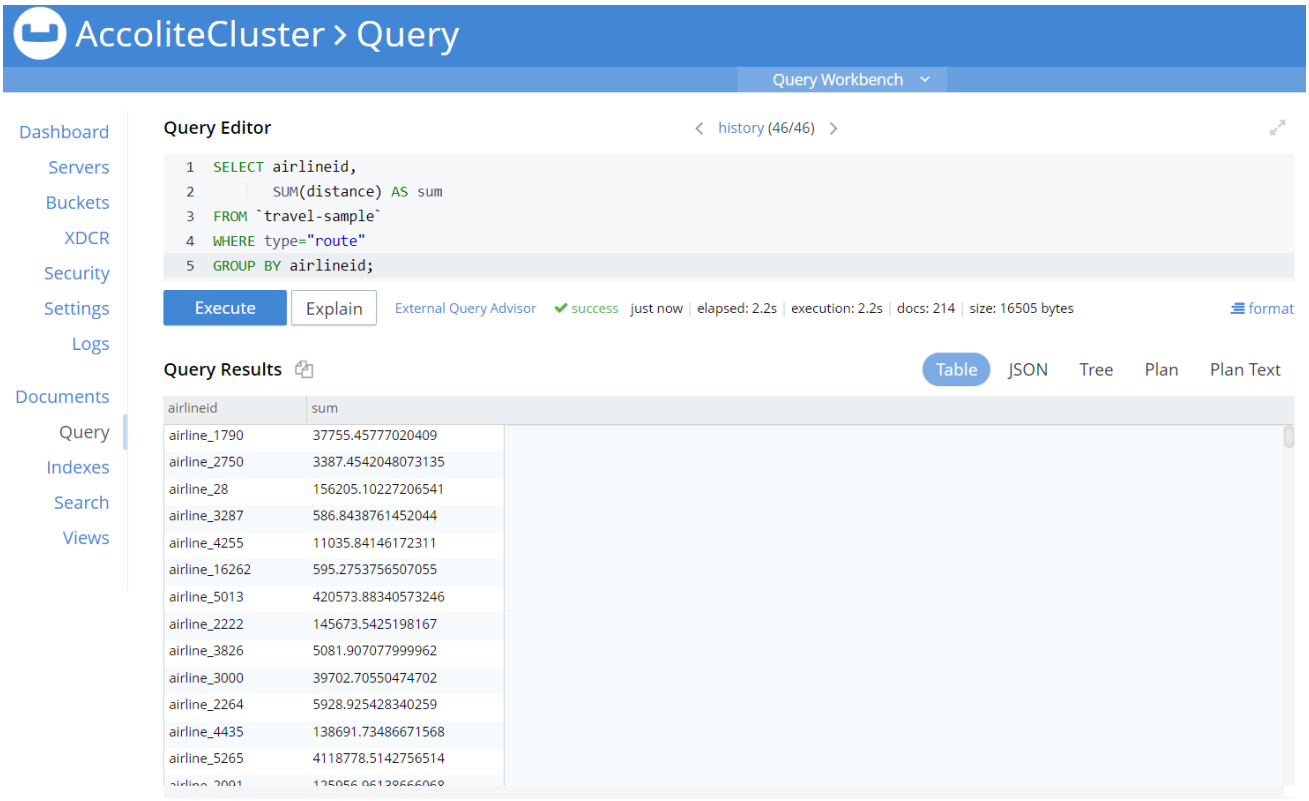




2) Write a query to get the sum of all distances where type="route" for each airline id.

Query:

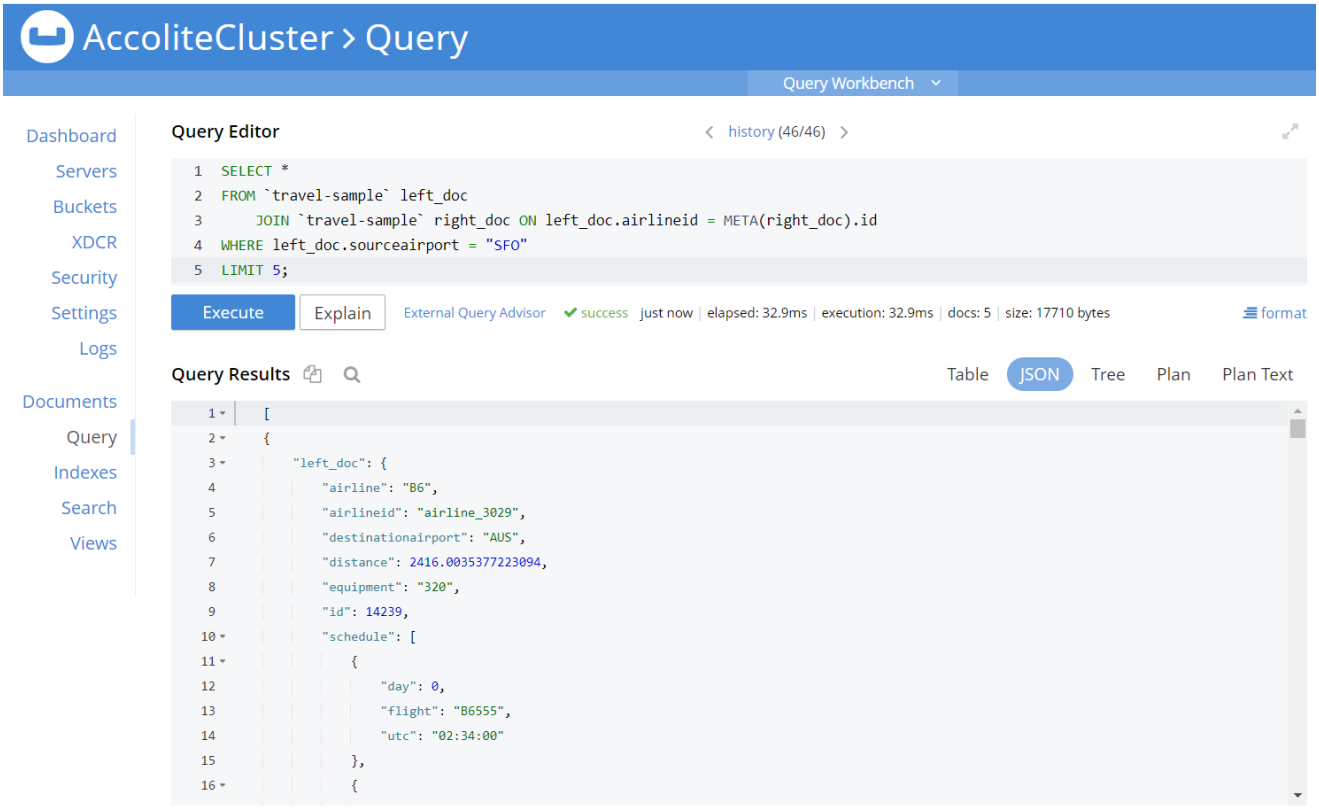
select airlineid,sum(distance) as sum from `travel-sample` where type="route" group by airlineid;



3) Write queries to join(LEFT,RIGHT,INNER) type=”route”&“airline” and fetch the data whose sourceairport=”SFO”.

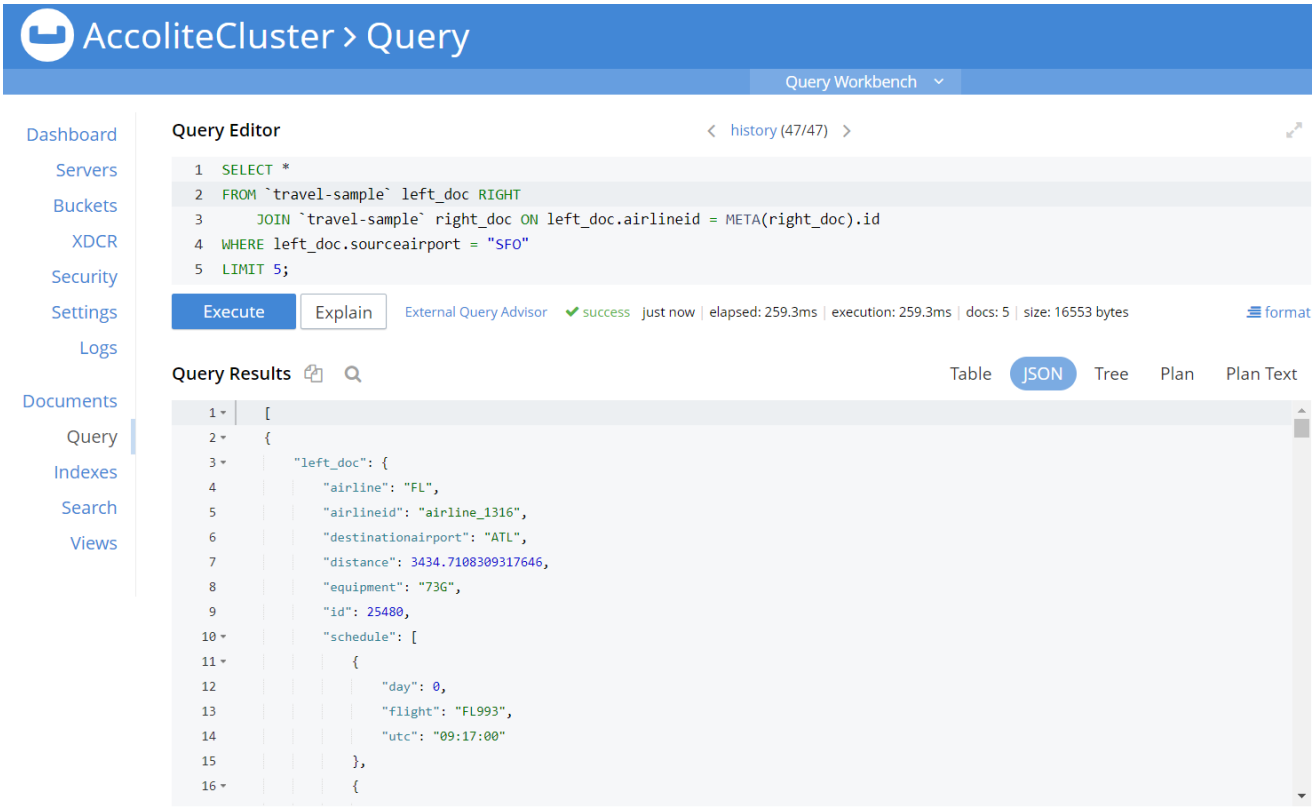
Query:
SELECT * FROM `travel-sample` left_doc JOIN `travel-sample` right_doc ON left_doc.airlineid = META(right_doc).id WHERE left_doc.sourceairport = "SFO" LIMIT 5;

Inner join:



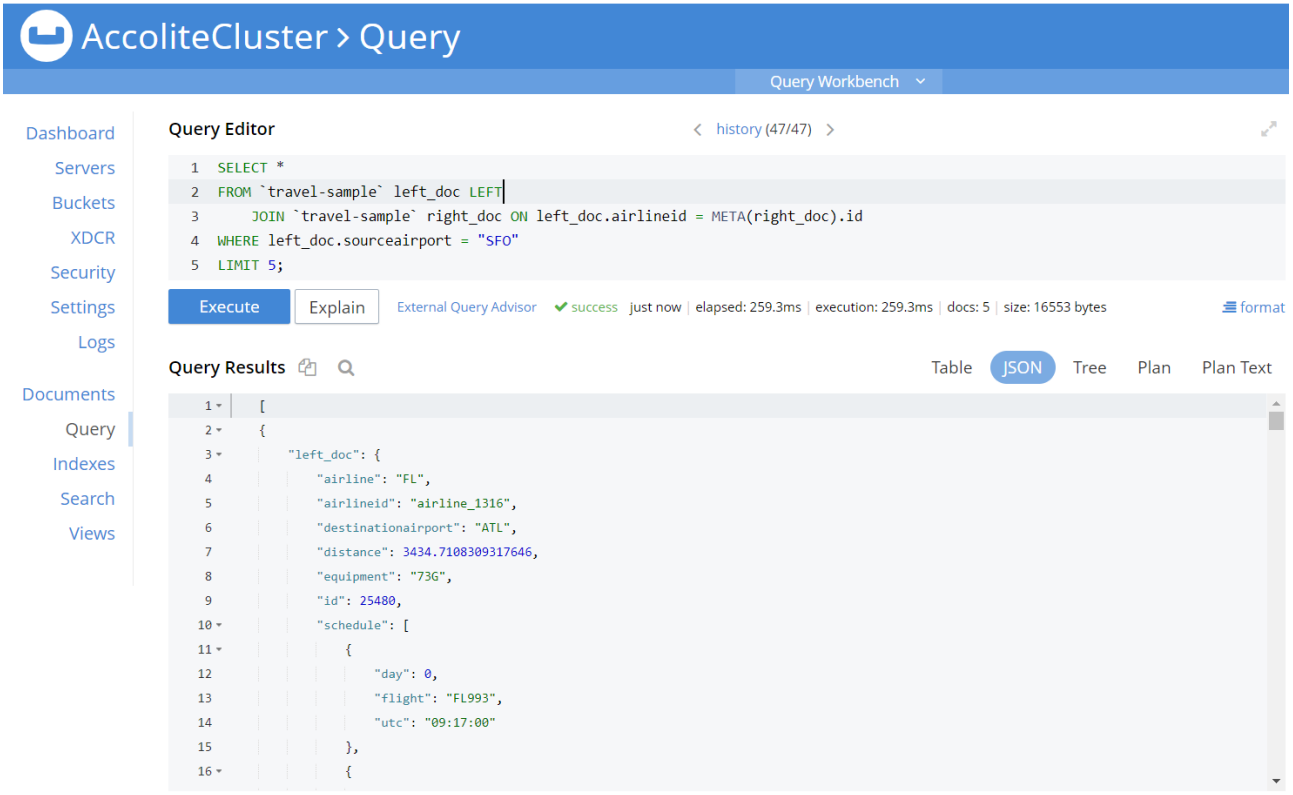
Right join:

Query:
SELECT * FROM `travel-sample` left_doc RIGHT JOIN `travel-sample` right_doc ON left_doc.airlineid = META(right_doc).id WHERE left_doc.sourceairport = "SFO" LIMIT 5;



Left join:

Query:
SELECT * FROM `travel-sample` left_doc LEFT JOIN `travel-sample` right_doc ON left_doc.airlineid = META(right_doc).id WHERE left_doc.sourceairport = "SFO" LIMIT 5;

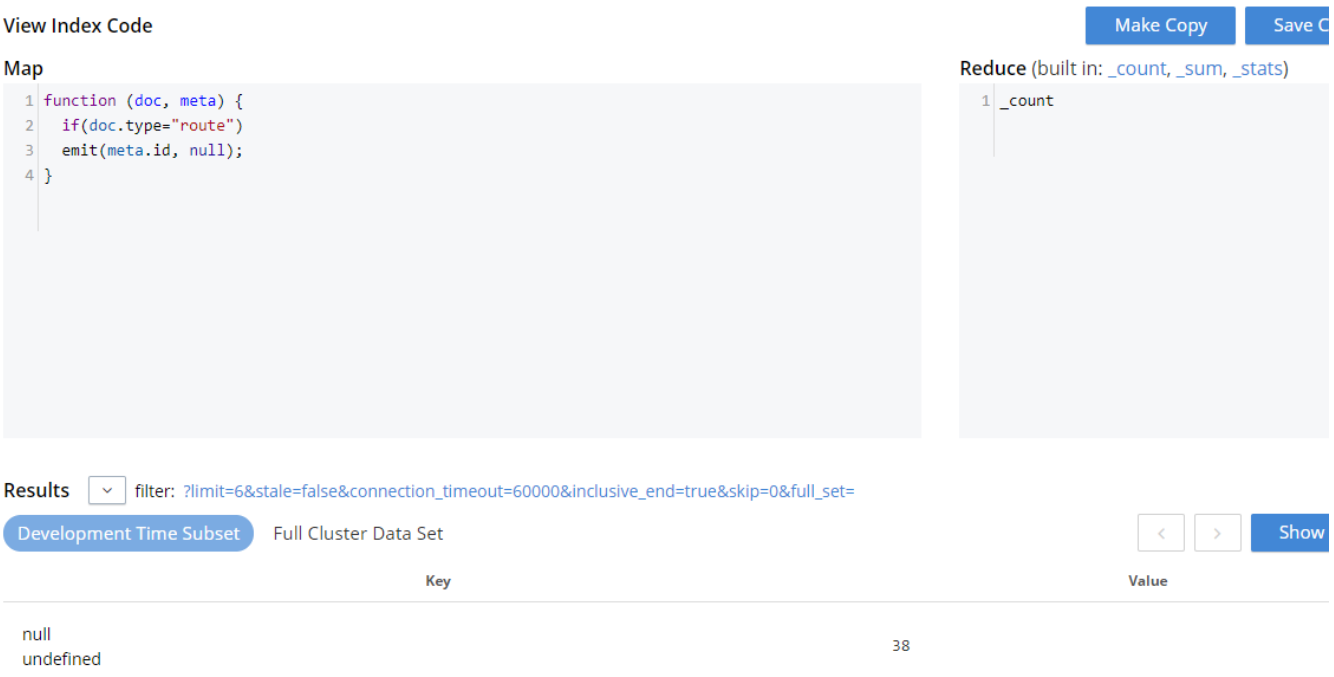


4) Write a mapreduce to get the number of all documents based on entities(type).

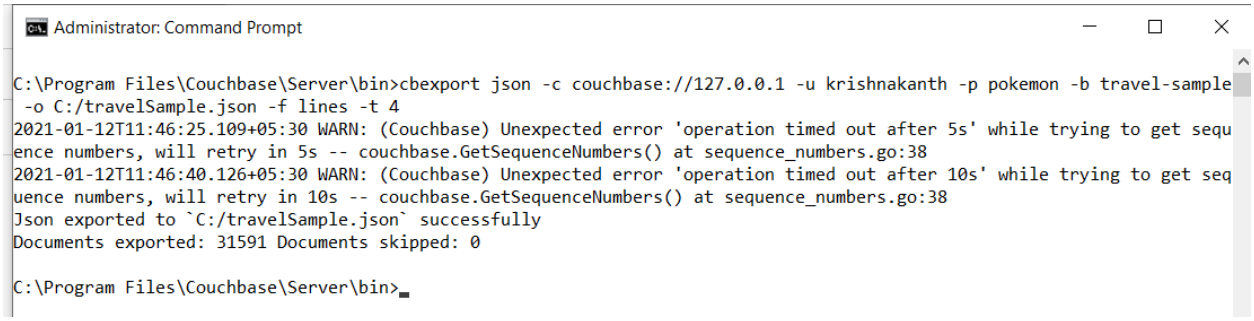
Map:

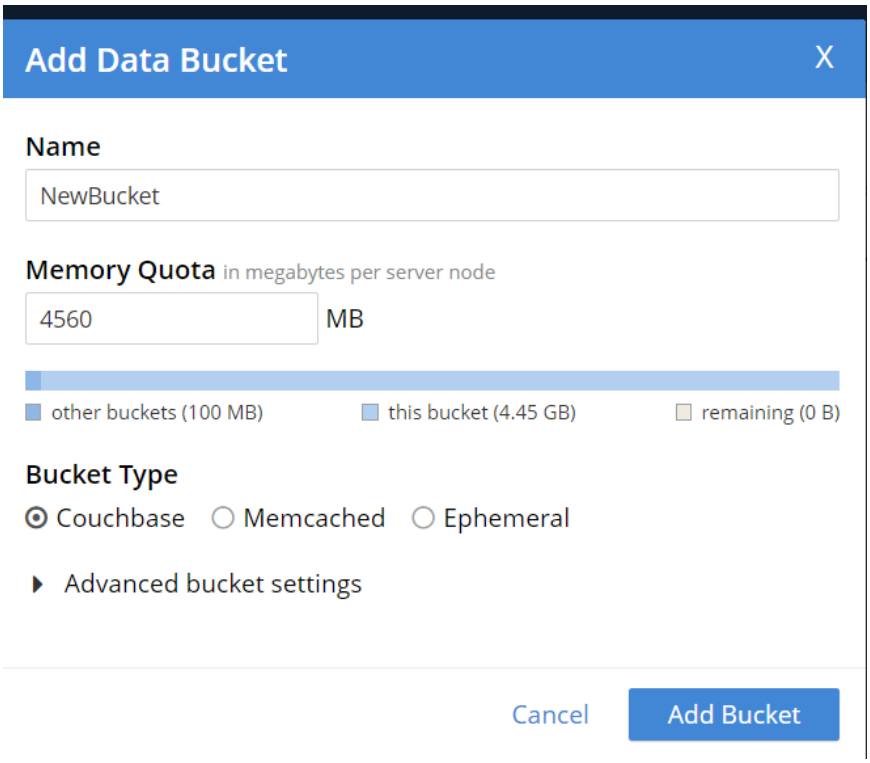
```
function (doc, meta) {
  if(doc.type == "route")
   emit(meta.id, null);
}
```

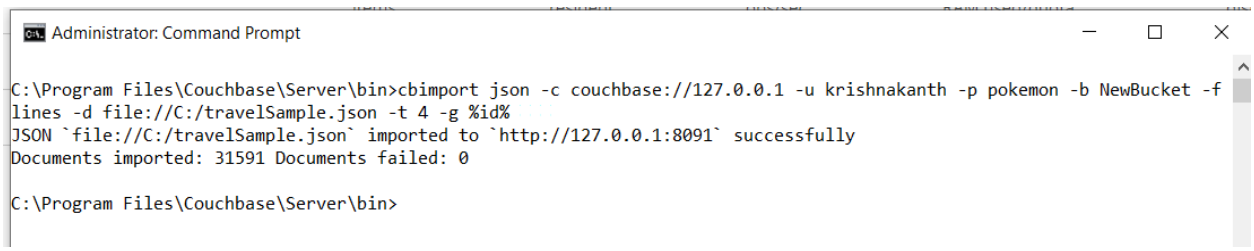
Reduce: _count

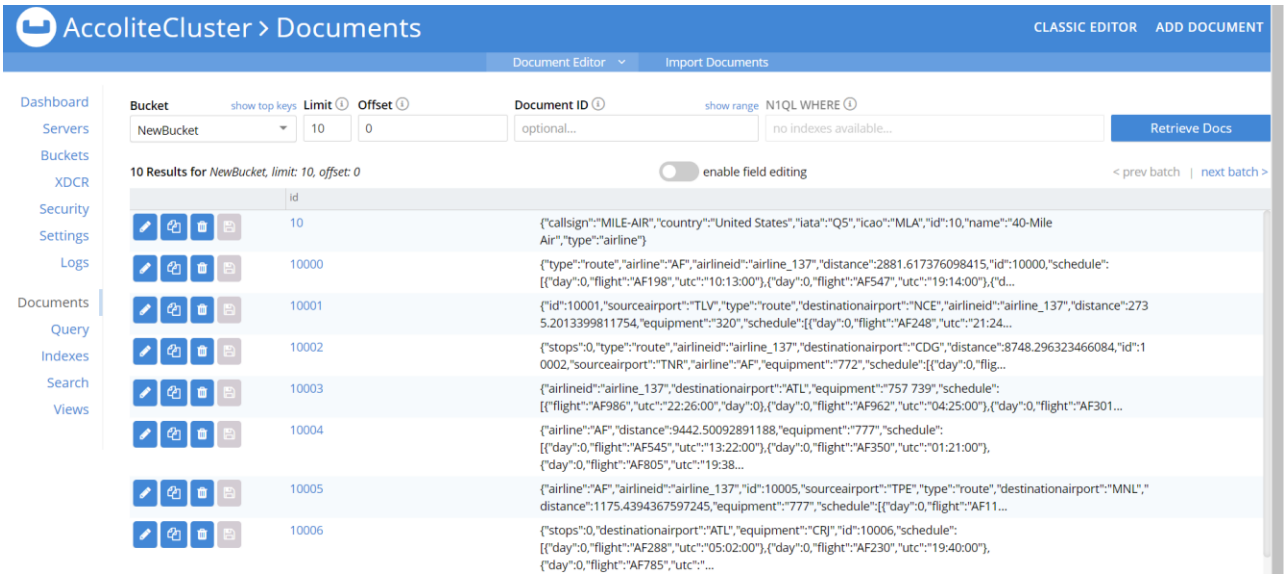


5) Export data(from travel-sample) and Import data(to NewBucket):








AccoliteCluster › Documents
CLASSIC EDITOR
ADD DOCUMENT
Document Editor
Import Documents
Dashboard
Servers
Buckets
XDCR
Security
Settings
Logs
Documents
Query
Indexes
Search
Views
Bucket
show top keys
Limit
Offset
Document ID
show range
N1QL WHERE
NewBucket
10
0
optional...
no indexes available...
Retrieve Docs
10 Results for NewBucket, limit: 10, offset: 0
enable field editing
< prev batch | next batch >
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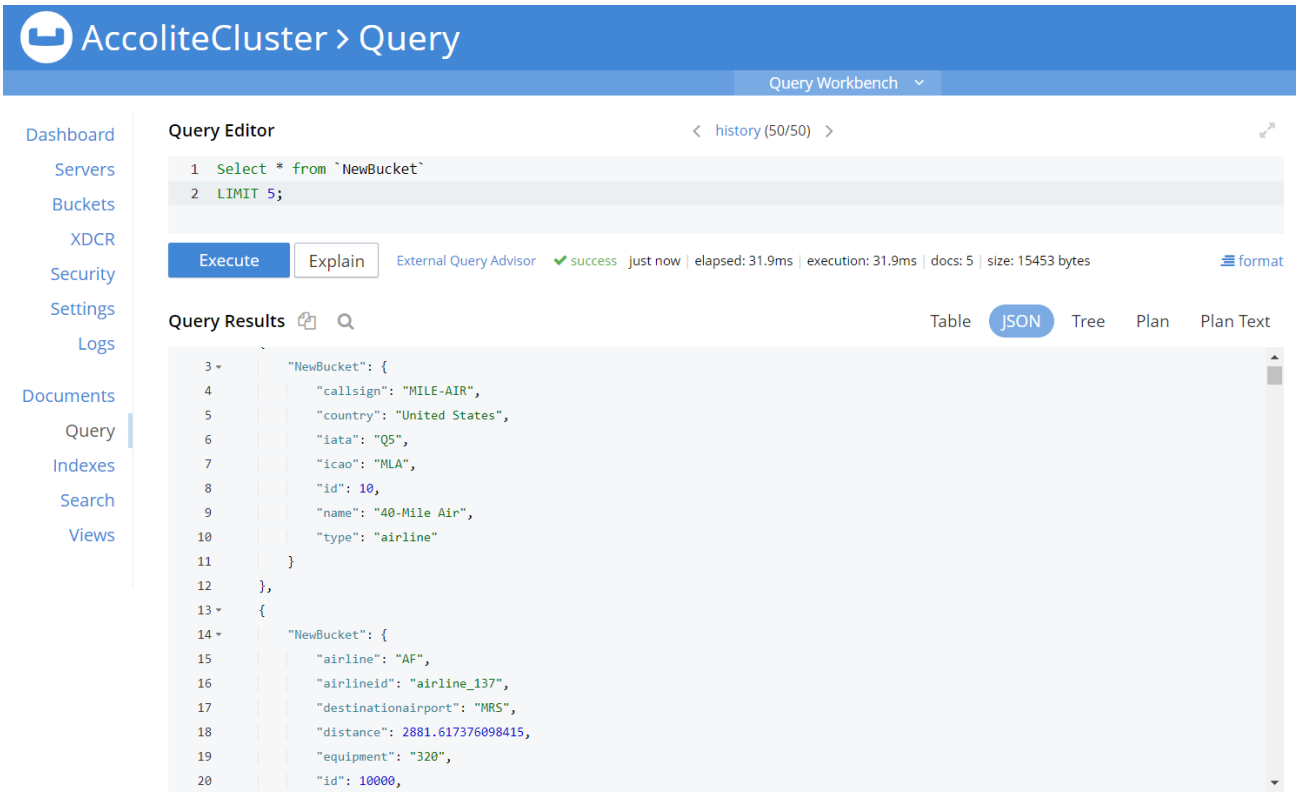
AccoliteCluster › Query
Query Workbench
Dashboard
Servers
Buckets
XDCR
Security
Settings
Logs
Documents
Query
Indexes
Search
Views
Query Editor
history (50/50)
1 Select * from `NewBucket`
2 LIMIT 5;
Execute
Explain
External Query Advisor
success
just now | elapsed: 31.9ms | execution: 31.9ms | docs: 5 | size: 15453 bytes
format
Query Results
Table
JSON
Tree
Plan
Plan Text
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6 "iata": "Q5",
7 "icao": "MLA",
8 "id": 10,
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11 }
12 },
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14 "NewBucket": {
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16 "airlineid": "airline_137",
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