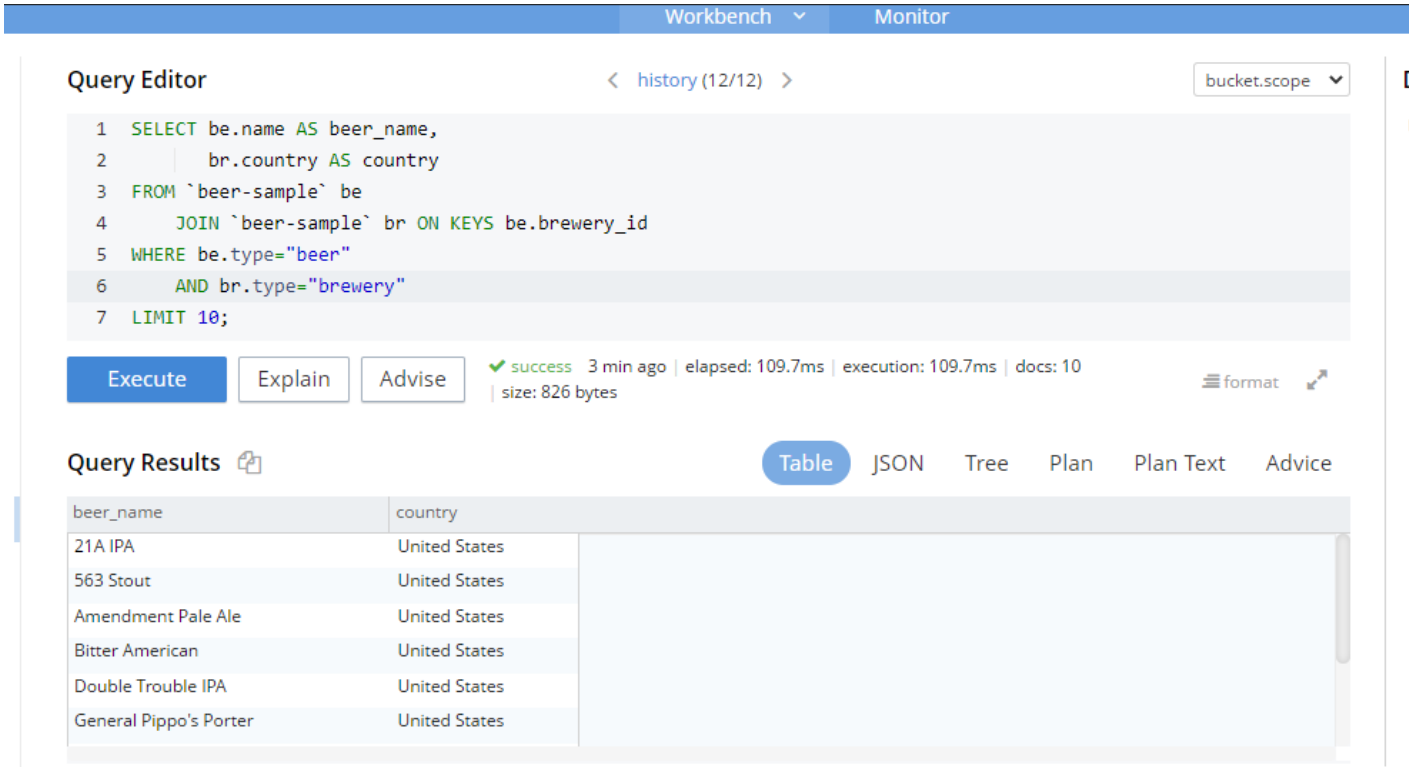
2 Write a join query to fetch the Top 10 brewery(type=”beer”) and their country(type=”brewery”) which produces more varieties of beers.

```
SELECT be.name AS beer_name,
      br.country AS country
FROM `beer-sample` be
   JOIN `beer-sample` br ON KEYS be.brewery_id
WHERE be.type="beer"
   AND br.type="brewery"
LIMIT 10;
```

OUTPUT-



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

OUTPUT-

Map code-

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

Reduce code-

_count

Map

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

Reduce (built in: _count, _sum, _stats)

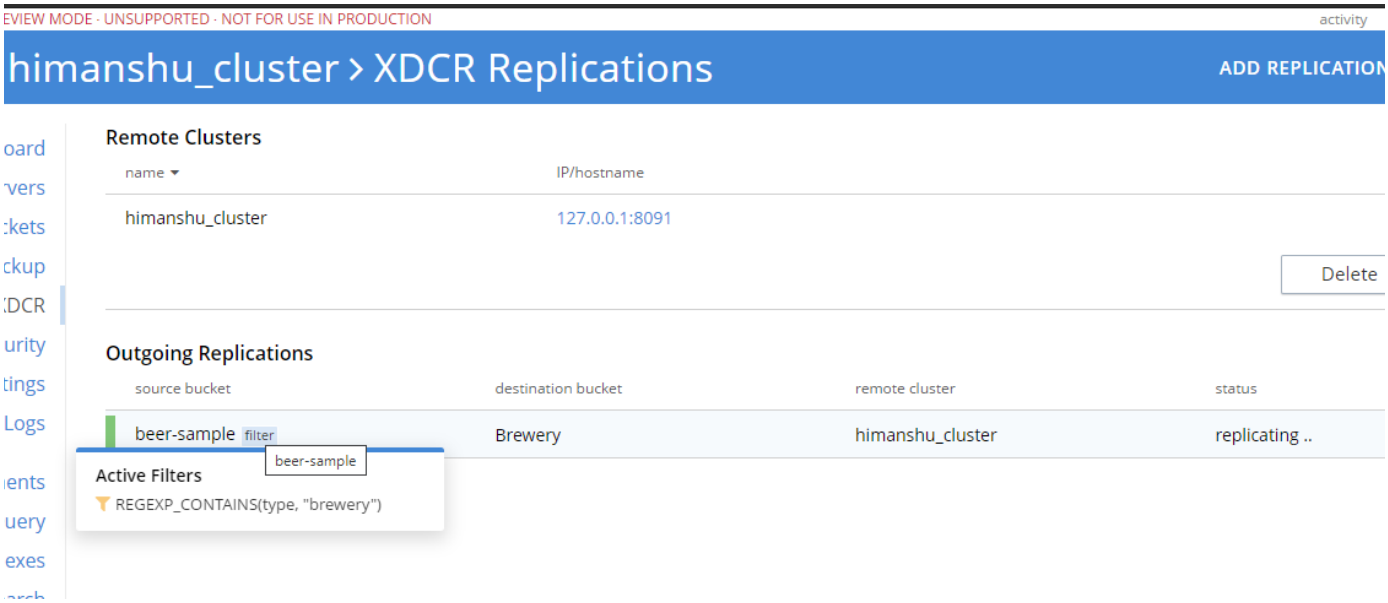
```
_count
```


```
{
  - rows: [
    - {
        key: "Togo",
        value: 1
      },
    - {
        key: "United Kingdom",
        value: 79
      },
    - {
        key: "United States",
        value: 875
      },
    - {
        key: "Viet Nam",
        value: 2
      }
  ]
}
```

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.

OUTPUT-

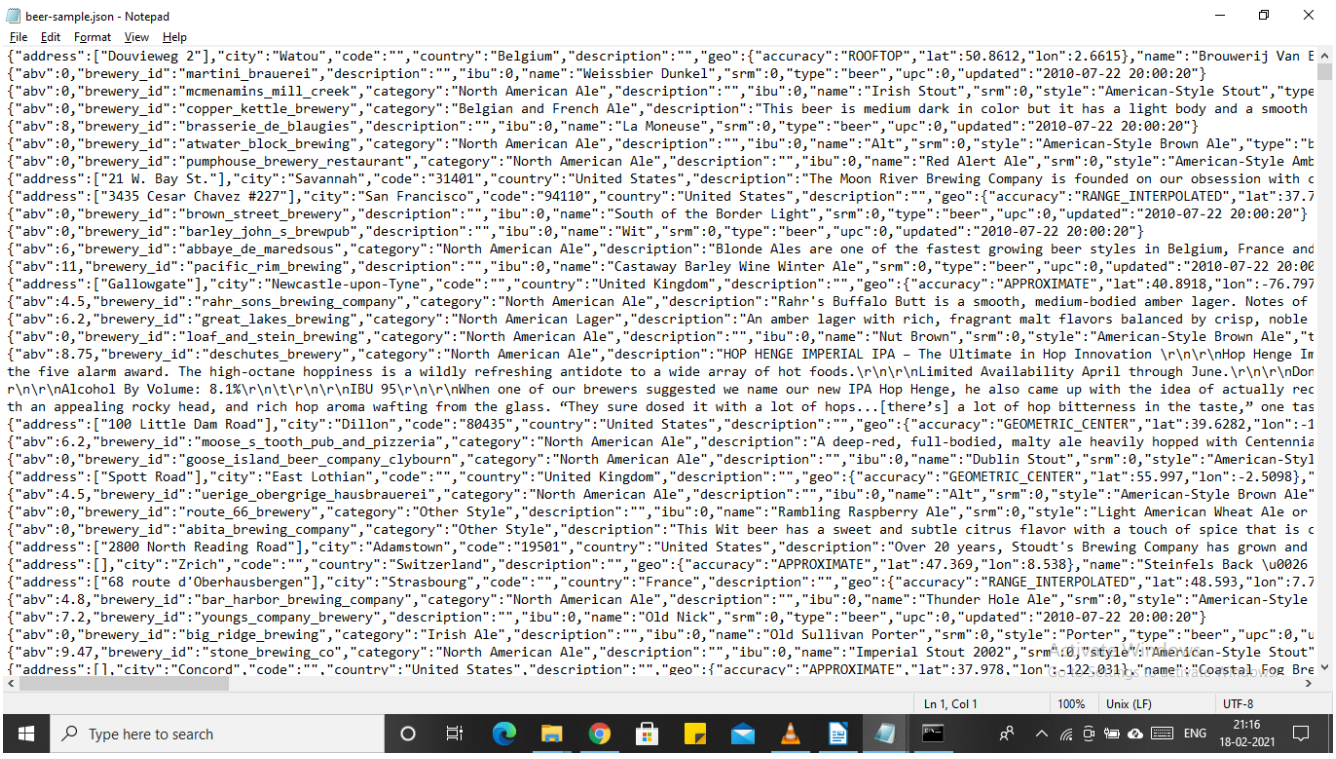
```
Filter Condition-

REGEXP_CONTAINS(type, "brewery")
```



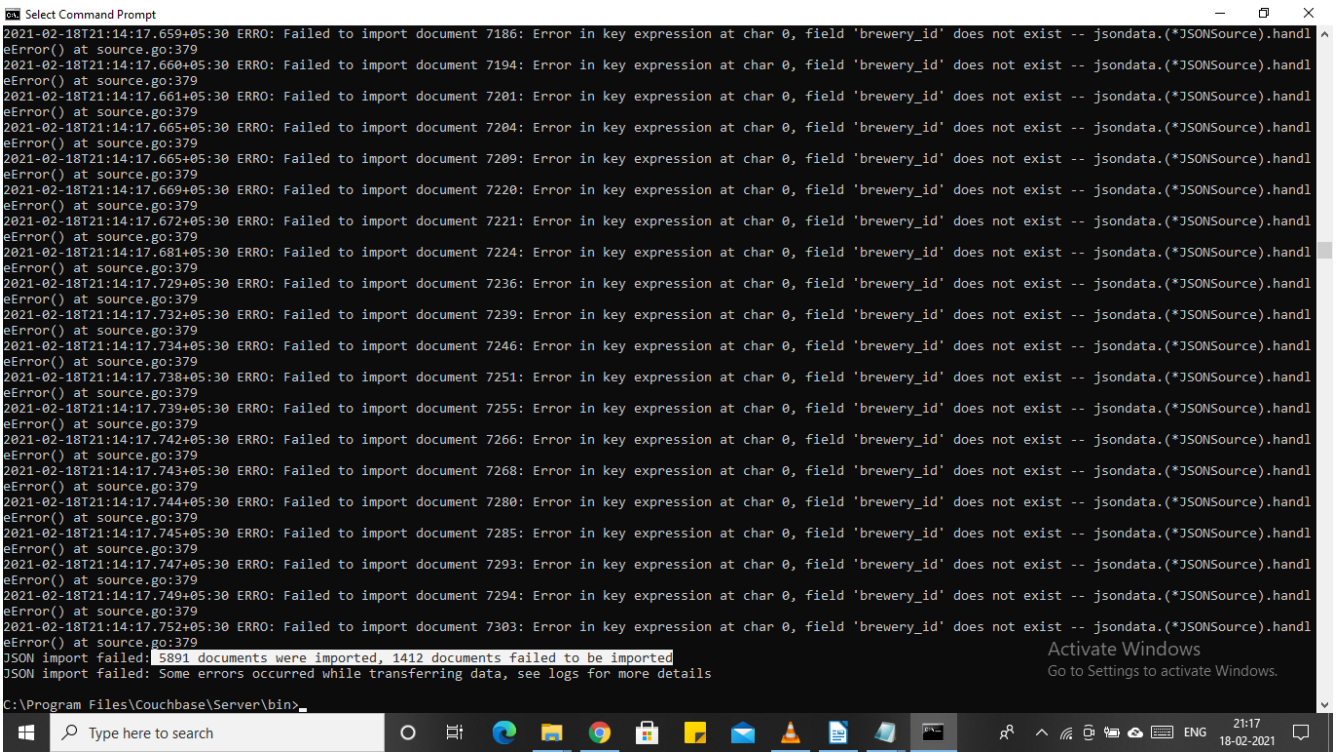
5. CLI:
a) Add a new bucket “Beer”.
b) Using CLI - do a cbexport of the entire `beer-sample`
c) And do a cbimport with “brewery_id” as primary key. As a result, in the
new bucket - only “beer” documents will be imported with their
respective brewery name as meta().id
d) Share your observation on counts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

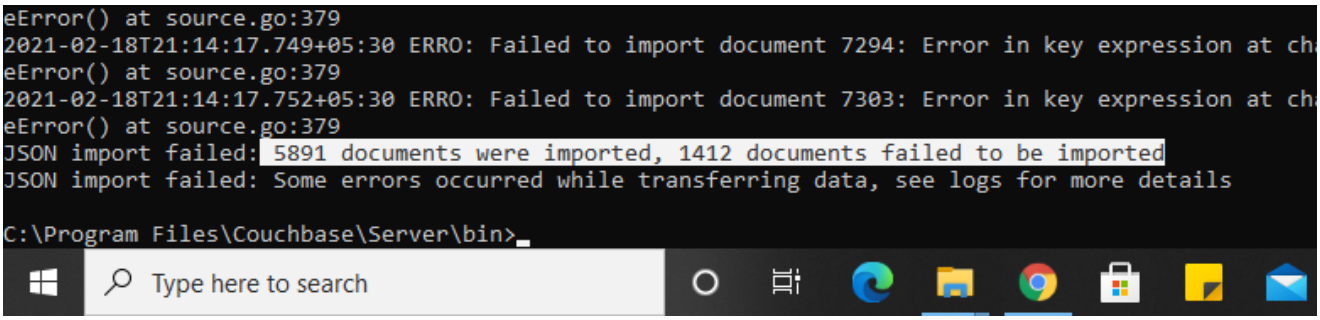
OUTPUT:

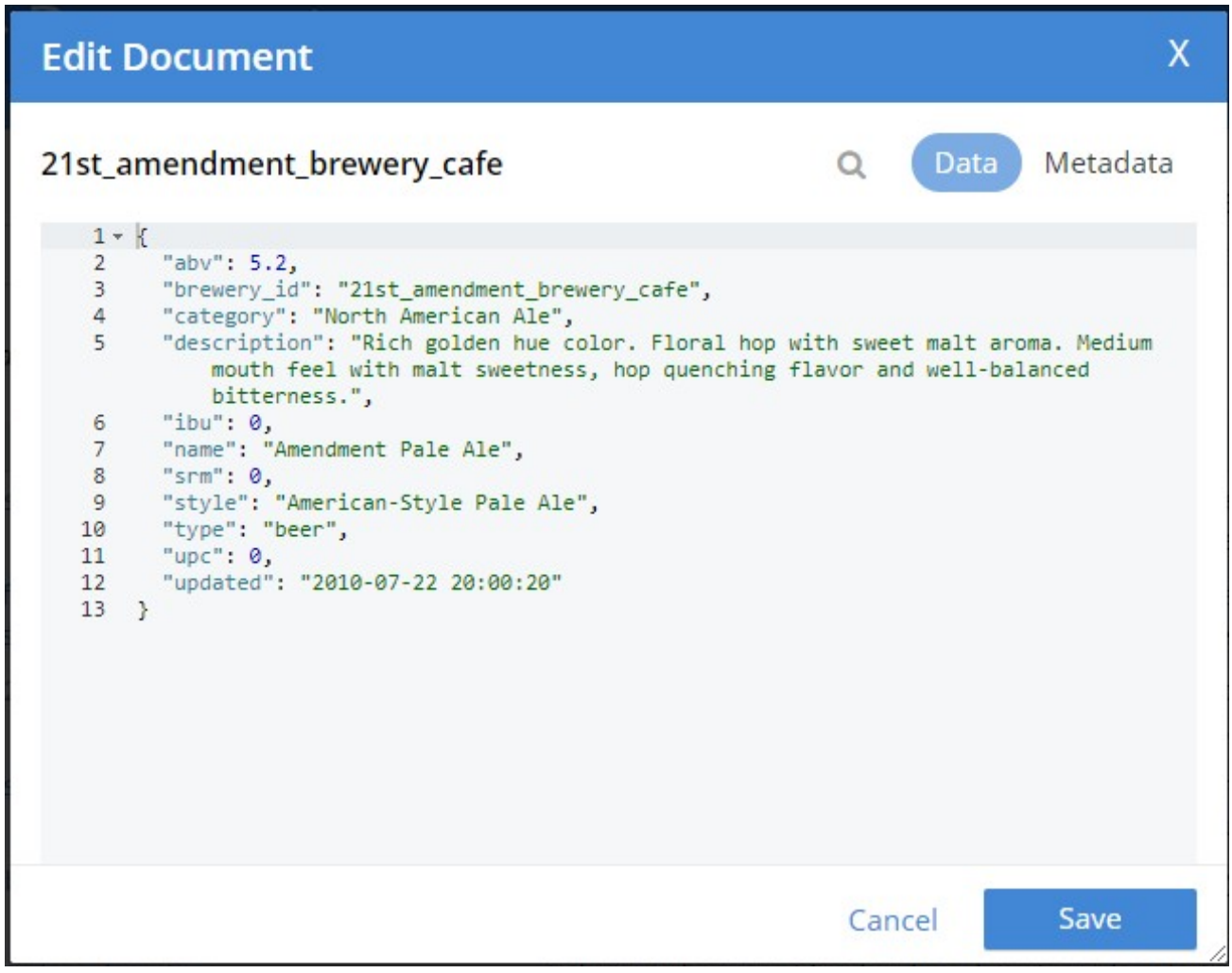
b) Using CLI - do a cbexport of the entire `beer-sample`

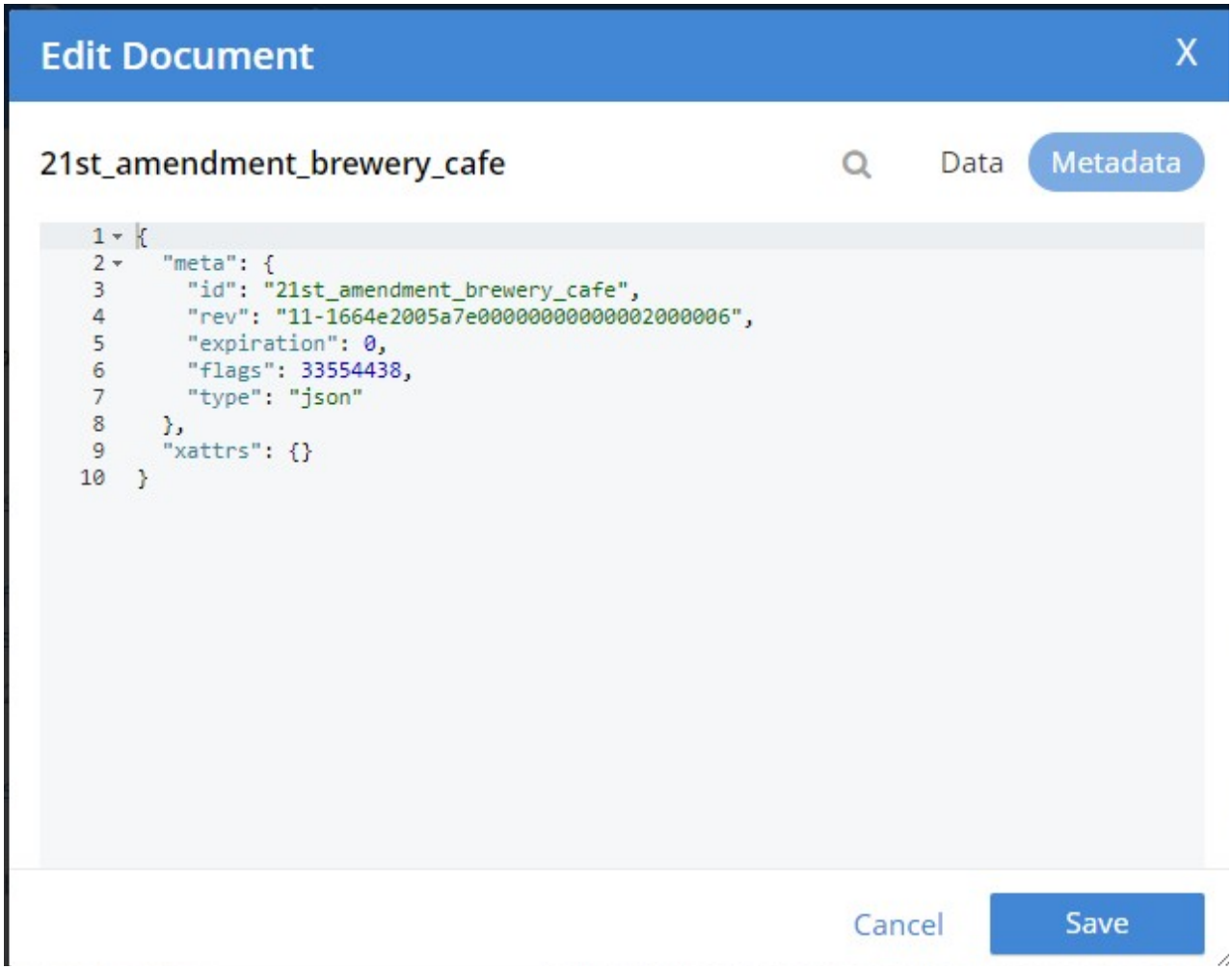


c) And do a cbimport with “brewery_id” as primary key. As a result, in the
new bucket - only “beer” documents will be imported with their respective brewery name as meta().id






Edit Document
X
21st_amendment_brewery_cafe
Data
Metadata
{
"abv": 5.2,
"brewery_id": "21st_amendment_brewery_cafe",
"category": "North American Ale",
"description": "Rich golden hue color. Floral hop with sweet malt aroma. Medium mouth feel with malt sweetness, hop quenching flavor and well-balanced bitterness.",
"ibu": 0,
"name": "Amendment Pale Ale",
"srm": 0,
"style": "American-Style Pale Ale",
"type": "beer",
"upc": 0,
"updated": "2010-07-22 20:00:20"
}
Cancel
Save


Edit Document
X
21st_amendment_brewery_cafe
Data
Metadata
{
"meta": {
"id": "21st_amendment_brewery_cafe",
"rev": "11-1664e2005a7e0000000000002000006",
"expiration": 0,
"flags": 33554438,
"type": "json"
},
"xattrs": {}
}
Cancel
Save