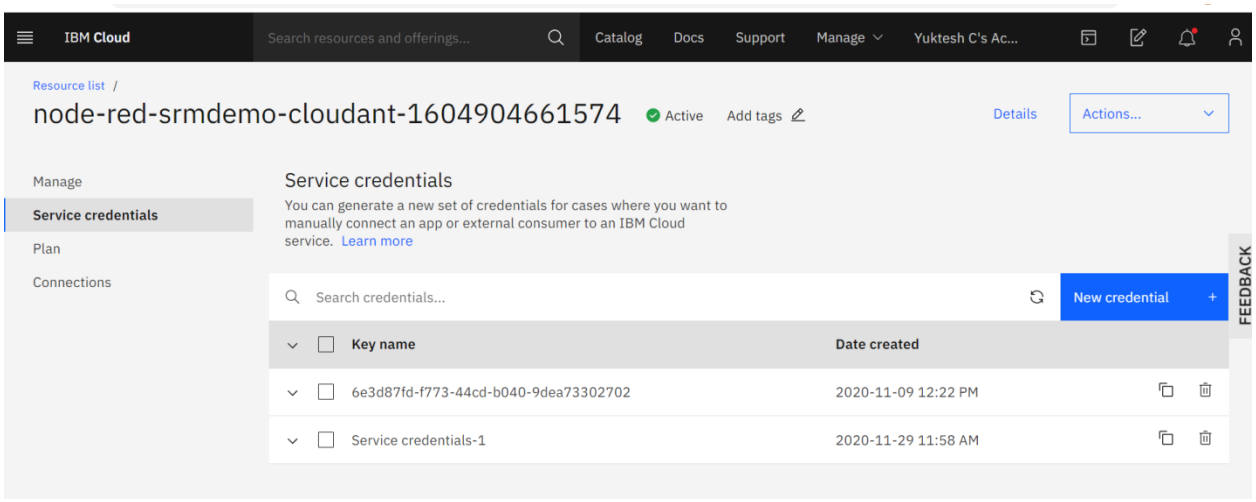
After understanding Cloudant basic Lab

Step 1: Install cloudant db in the python by ‘pip install cloudant’

Step 2: import following libraries in python

```
#Cloudant Python connectivity
from cloudant.client import Cloudant
from cloudant.error import CloudantException
from cloudant.result import Result,ResultByKey
```

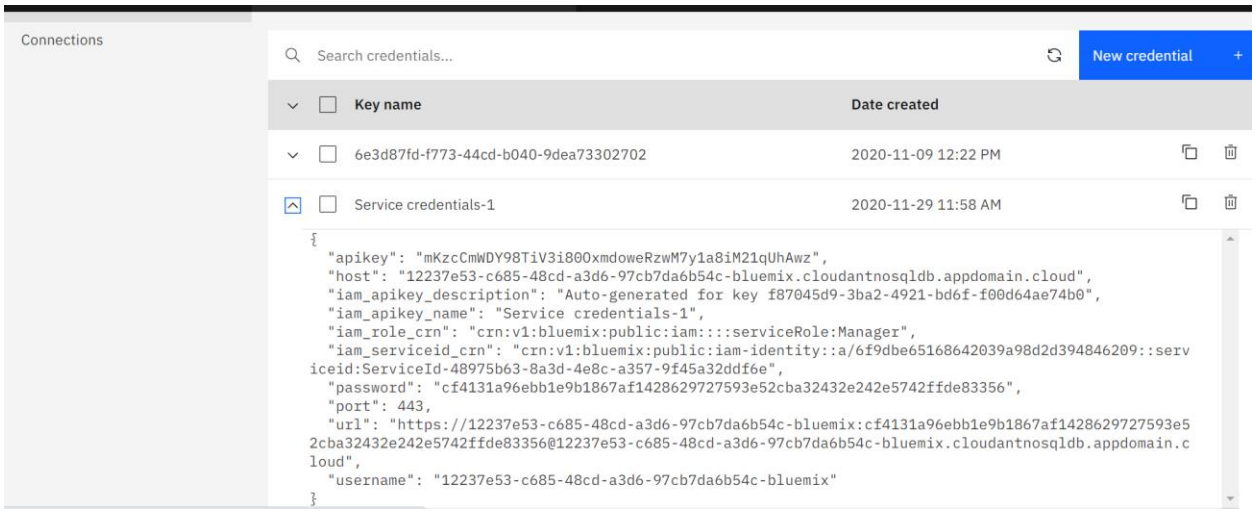
Step 3: To connect to cloudant db create service credentials



Step 4: write below code to

```
client = Cloudant("<username>","<password>",url="<url>")
client.connect
```

Step 5: Now replace above 3 details from the cloudant service credentials by clicking the down arrow



Step 5: write below code after inserting credentials

```
#Cloudant Python connectivity
from cloudant.client import Cloudant
from cloudant.error import CloudantException
from cloudant.result import Result,ResultByKey

#connection establishment step
client = Cloudant("12237e53-c685-48cd-a3d6-97cb7da6b54c-bluemix",
                  "cf4131a96ebb1e9b1867af1428629727593e52cba32432e242e5742ffc
                  url="https://12237e53-c685-48cd-a3d6-97cb7da6b54c-bluemix:c

client.connect()

#provide db name
database_name = "sampledb"

#if db is not there it will create a fresh one
my_database = client.create_database(database_name)

if my_database.exists():
    print(f"'{database_name}' successfully created.")


#create a document(row)
record={"Device":"Laptop","Name":"Lenovo"}

new_document = my_database.create_document(record)

#check the document exists in the db.
if new_document.exists():
    print("Document successfully created")
```

Step 6: Continue with retrieve code

```
if new_document.exists():
    print("Document successfully created")

#To get/retrieve data from database
result_collection = Result(my_database.all_docs)
print(f"Retrieved minimal document: \n {result_collection[0]}\n")

print('----------')

result_collection = Result(my_database.all_docs,include_docs=True)
print(f"Retrieved Full document: \n {result_collection[0]}\n")
```

Step 7: Continue with delete db code

```
print(f"Retrieved Full document: \n {result_collection[0]}\n")

#delete the database
try:
    client.delete_database(database_name)
except CloudantException:
    print(f"There was a problem deleting '{database_name}'.\n")
else:
    print(f"'{database_name}' successfully deleted. \n")
```

Note: put delete code in comment and execute of db creation and remove comment and execute once again so that db gets deleted