

Smart Bridge Externship Program

Internet of Things

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Assignment – 5

Q. Create a web dashboard to take user input for scheduling the pump controller (date & time). store the data in the Cloudant DB. You can use Form Nodes in dashboard nodes to take user input.

Code:

```
from ibmcloudant.cloudant_v1 import CloudantV1
from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator('apikey-v2-
1eqdq09ft2wf7gjqlscocw4lichwljwfv213q5cg809d','c4eb7c392f63fbe5d7050b8
6a867926e')

service = CloudantV1(authenticator=authenticator)

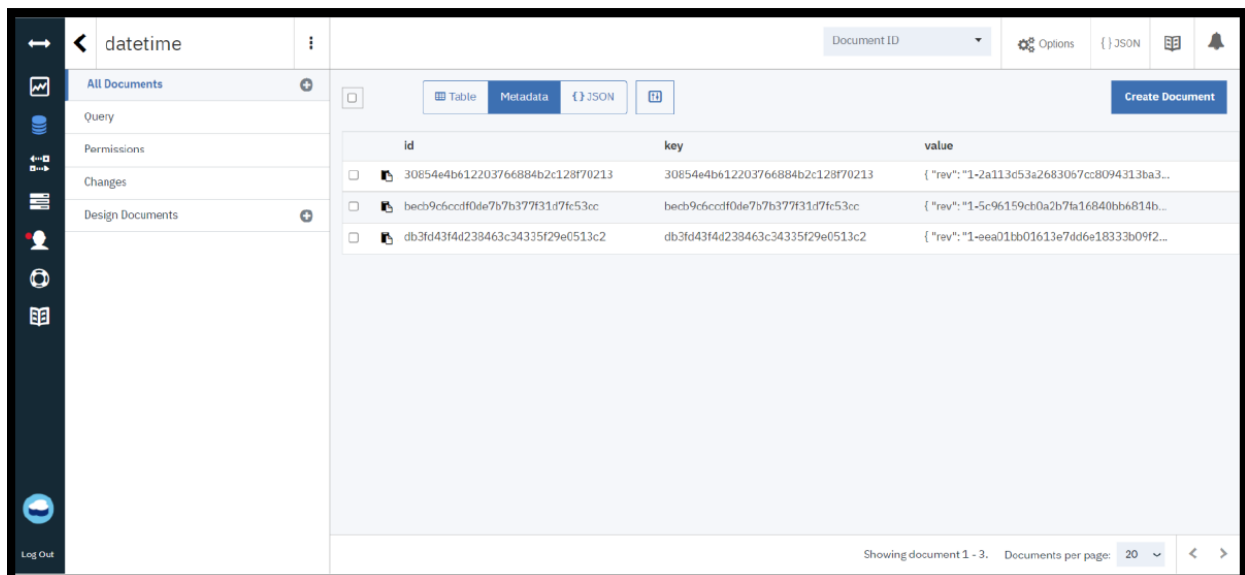
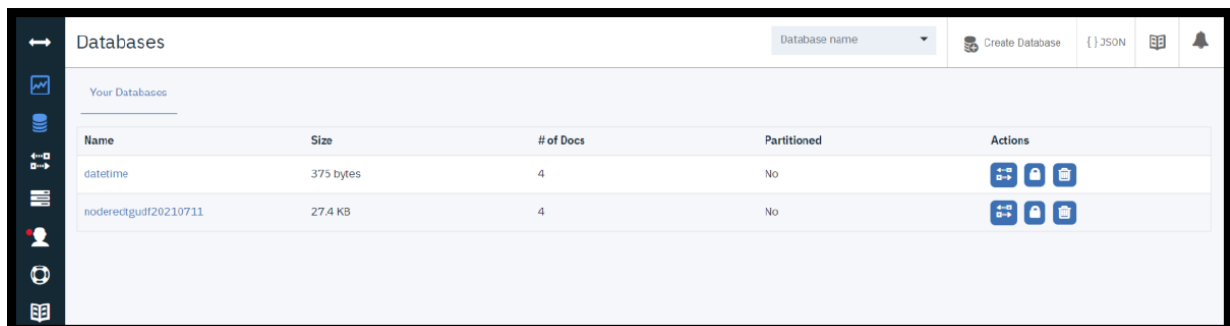
service.set_service_url('https://apikey-v2-
1eqdq09ft2wf7gjqlscocw4lichwljwfv213q5cg809d:c4eb7c392f63fbe5d7050b86
a867926e@0a7a725c-a76d-4389-bdbb-055690364fe8-
bluemix.cloudantnosqldb.appdomain.cloud')
```

```
products_doc = {
  "name" : "GCET",
  "Domain" : "IoT"
}
```

```
response = service.post_document(db='datetime',
document=products_doc).get_result()
```

```
print(response)
```

Cloudbant:



Output:

Application

Sensor

Date*
02-03-2000

Time*
02:30

SUBMITCANCEL

datetime > 30854e4b612203766884b2c128f70213

Save ChangesCancel

Upload AttachmentClone DocumentDelete

```
1 - {
2   "_id": "30854e4b612203766884b2c128f70213",
3   "_rev": "1-2a113d53a2683067cc8094313ba3a040",
4   "payload": [
5     {
6       "Date": "2000-03-01T18:30:00.000Z",
7       "Time": "1969-12-31T20:52:00.000Z"
8     }
9   ],
10  "socketId": "UNVLFwJ41f8r6KwAAAAA=="
11 }
```

