

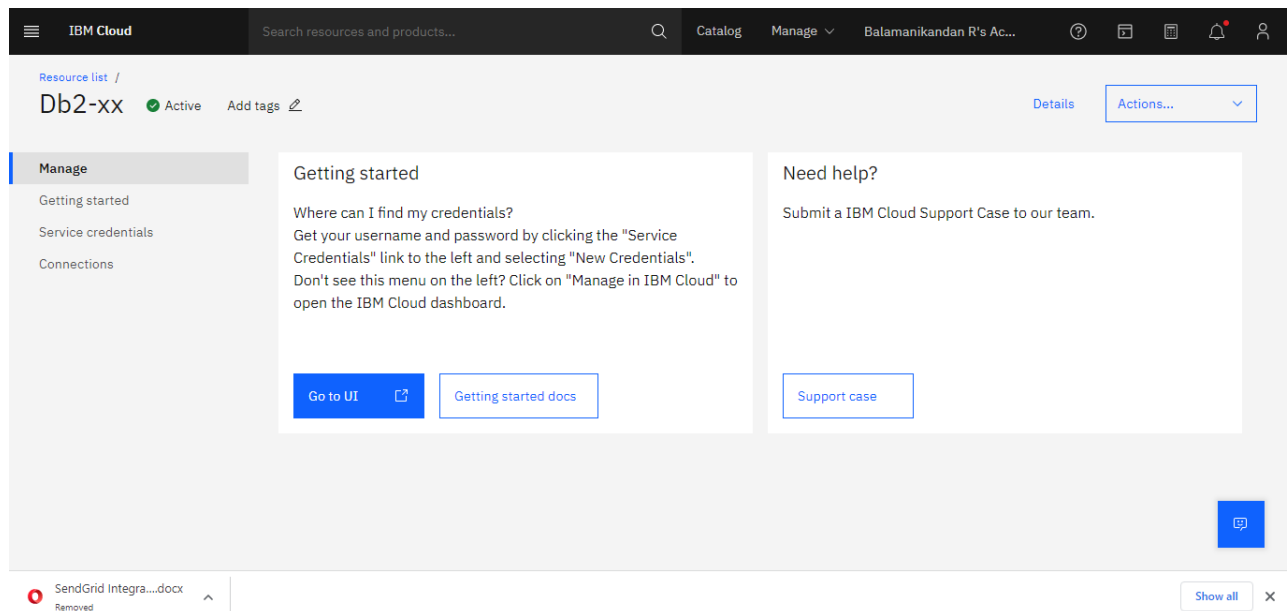
## Implementing Web Application

### Create IBM DB2 And Connect With Python

Team ID	PNT2022TMID11463
Project Name	Containment Zone Alerting Application

Create IBM DB2 And Connect With Python:

DB2 Homepage:



**db.py:**

```
import ibm_db
```

```
hostname="ea286ace-86c7-4d5b-.....databases.appdomain.cloud"
```

```
uid="hmg38167"
```

```
pwd="C7o4DqgC1x7V3n0Z"
```

```
driver="(IBM DB2 ODBC DRIVER"
```

```
db="bludb"
```

```
port="31505"
```

```
protocol="TCPIP"
```

```

cert="DigiCertGlobalRootCA.crt"

dsn=(
    "DATABASE={0};"
    "HOSTNAME={1};"
    "PORT={2};"
    "UID={3};"
    "SECURITY=SSL;"
    "SSLServerCertificate={4};"
    "PWD={5};").format(db,hostname,port,uid,cert,pwd)

print(dsn)

try:

    db2=ibm_db.connect(dsn,"","")

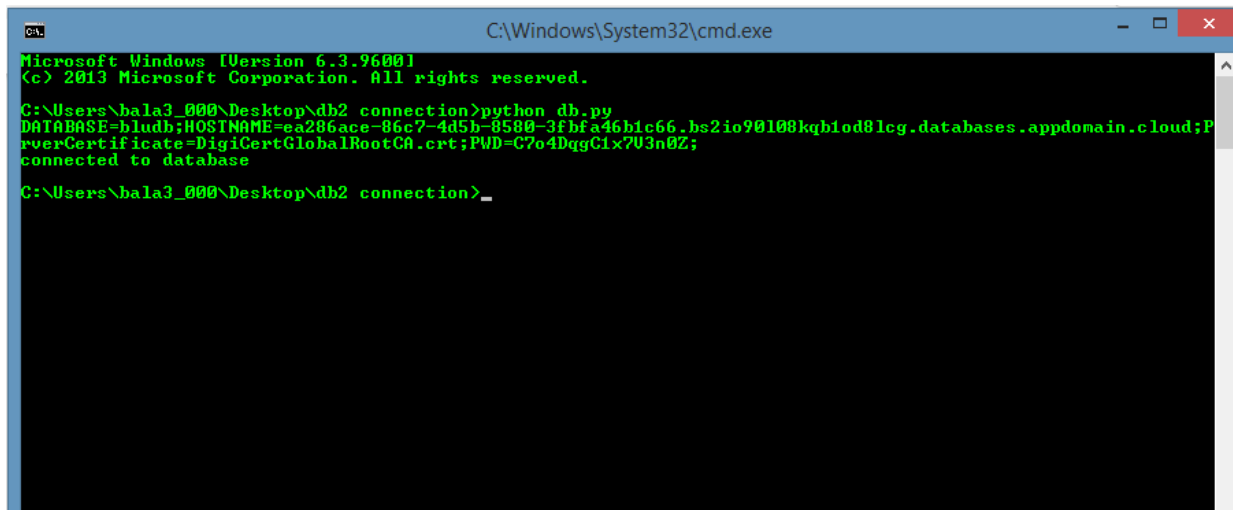
    print("connected to database")

except:

    print("unable to connect",ibm_db.conn_errormsg())

```

### Database connection:



The screenshot shows a Windows Command Prompt window titled "C:\Windows\System32\cmd.exe". The prompt displays the output of a Python script execution. The script successfully connects to a database, and the output is as follows:

```

Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\bala3_000\Desktop\db2 connection>python db.py
DATABASE=bludb;HOSTNAME=ea286ace-86c7-4d5b-8580-3fbfa46b1c66.bs2io90108kqb1od8lcy.databases.appdomain.cloud;P
rverCertificate=DigiCertGlobalRootCA.crt;PWD=C7o4DqgC1x703n0Z;
connected to database

C:\Users\bala3_000\Desktop\db2 connection>_

```

bs2ipcu0apon0juf80lite.db2.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2F64ce3e509aeb4356b42b95608851c37a%...

IBM Db2 on Cloud

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

Find schemas or tables

Refresh

Schemas

<input type="checkbox"/>	Name	Type	Tables
<input type="checkbox"/>	HMG38167	User	0

Total: 1, selected: 0