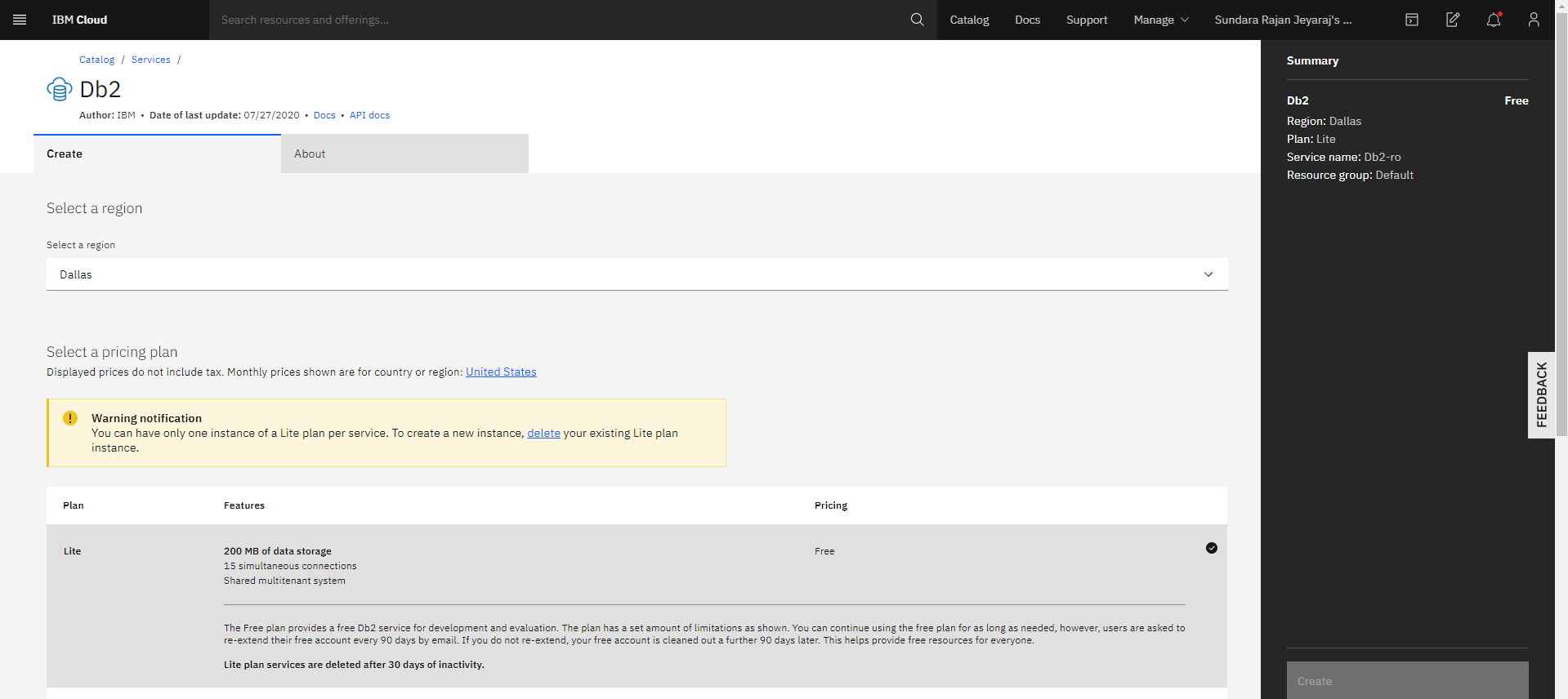
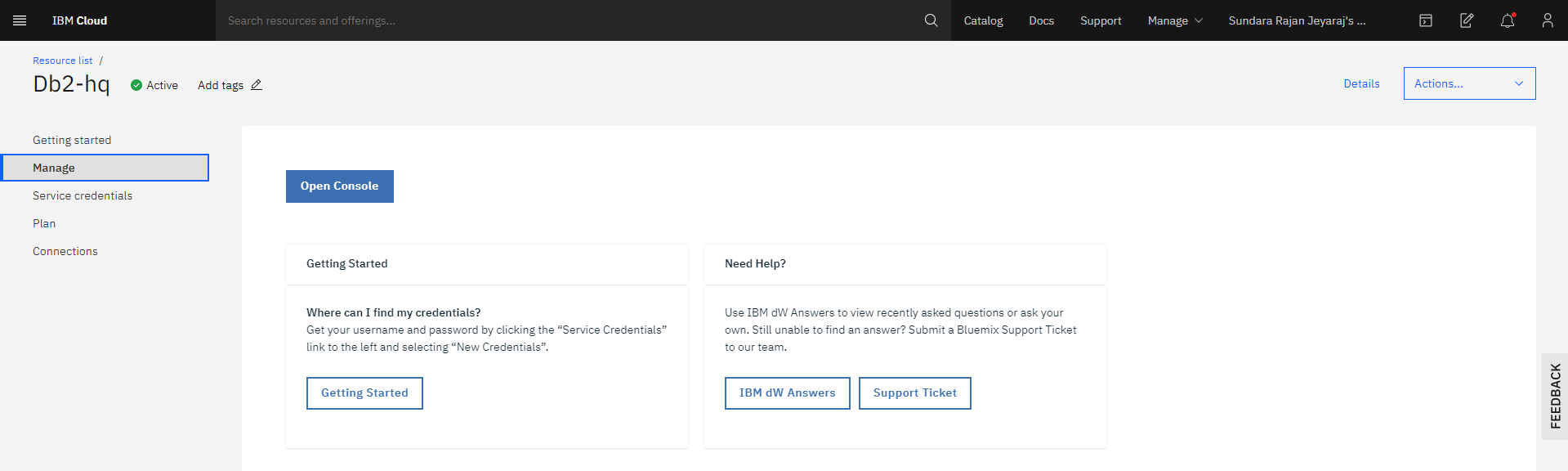
IBM DB2 on Cloud

Create an instance of IBM DB2 on Cloud



Reference doc: <https://cloud.ibm.com/docs/Db2onCloud?topic=Db2onCloud-getting-started>

Our Db2 instance (Db2-hq)

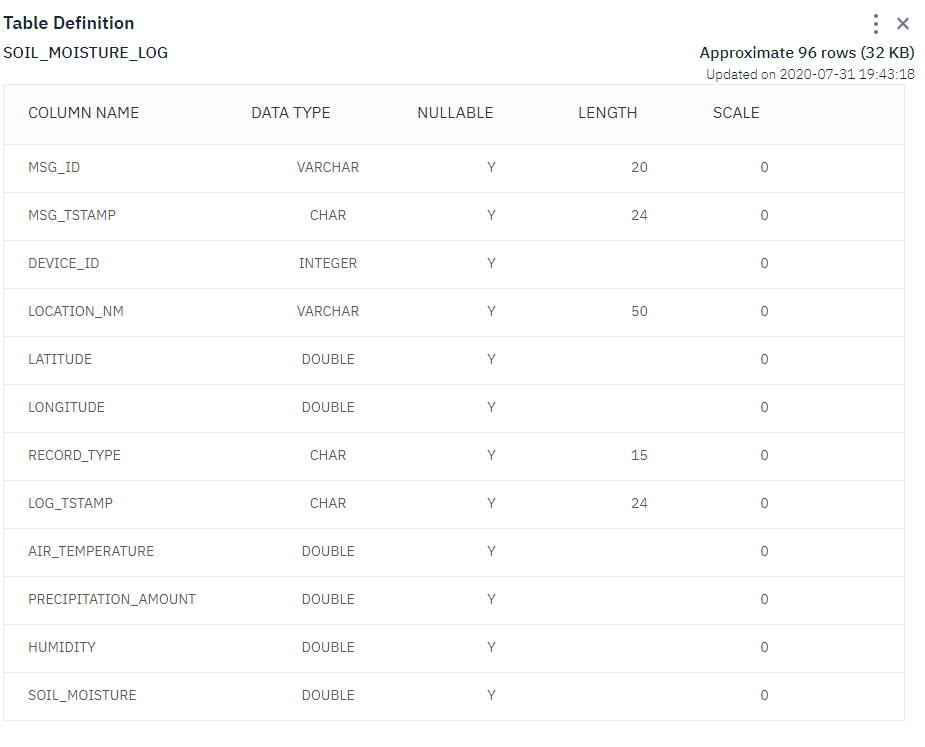


In Db2 Console

Create below two tables

1. SOIL\_MOISTURE\_LOG
2. CROP\_DATA

Rquired SQL querries

1. Create SOIL\_MOISTURE\_LOG table

CREATE TABLE "RFC61298"."SOIL\_MOISTURE\_LOG"

( MSG\_ID VARCHAR(20) ,

MSG\_TSTAMP CHAR(24) ,

DEVICE\_ID INTEGER,

LOCATION\_NM VARCHAR(50) ,

LATITUDE DOUBLE ,

LONGITUDE DOUBLE ,

RECORD\_TYPE CHAR(15) ,

LOG\_TSTAMP CHAR(24) ,

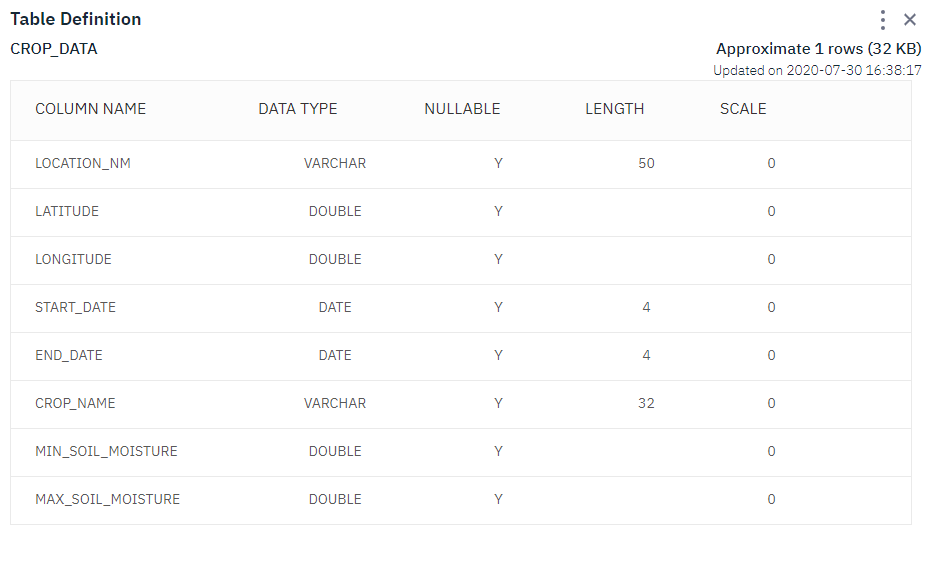
AIR\_TEMPERATURE DOUBLE ,

PRECIPITATION\_AMOUNT DOUBLE,

HUMIDITY DOUBLE ,

SOIL\_MOISTURE DOUBLE )

1. Create CROP\_DATA table



CREATE TABLE "RFC61298"."SOIL\_MOISTURE\_LOG"

( LOCATION\_NM VARCHAR(50) ,

LATITUDE DOUBLE ,

LONGITUDE DOUBLE ,

START\_DATE DATE ,

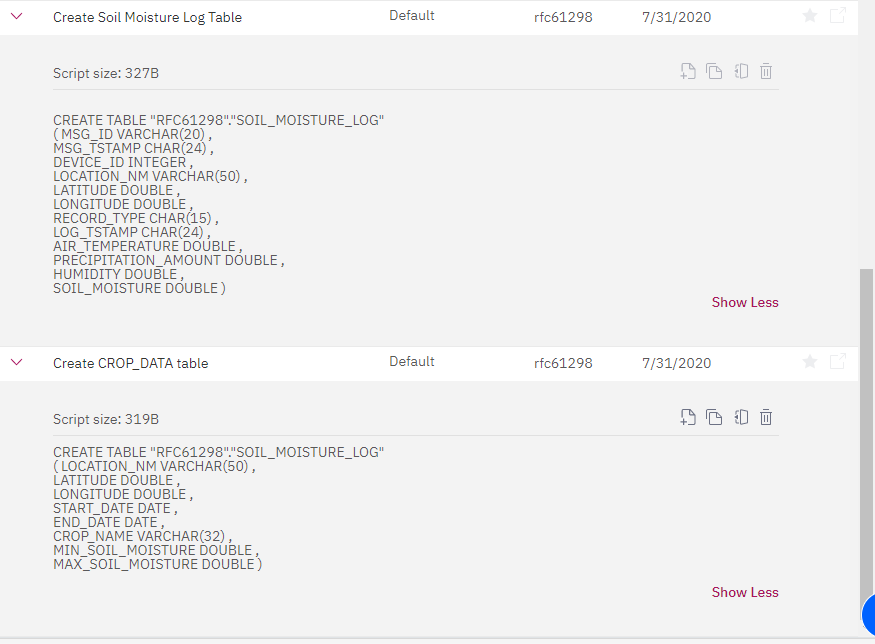
END\_DATE DATE ,

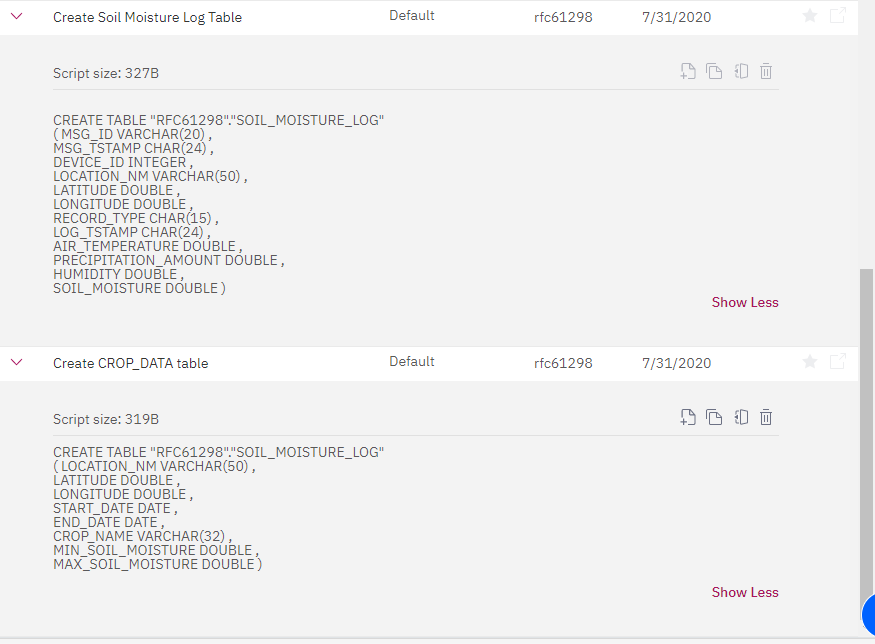
CROP\_NAME VARCHAR(32) ,

MIN\_SOIL\_MOISTURE DOUBLE ,

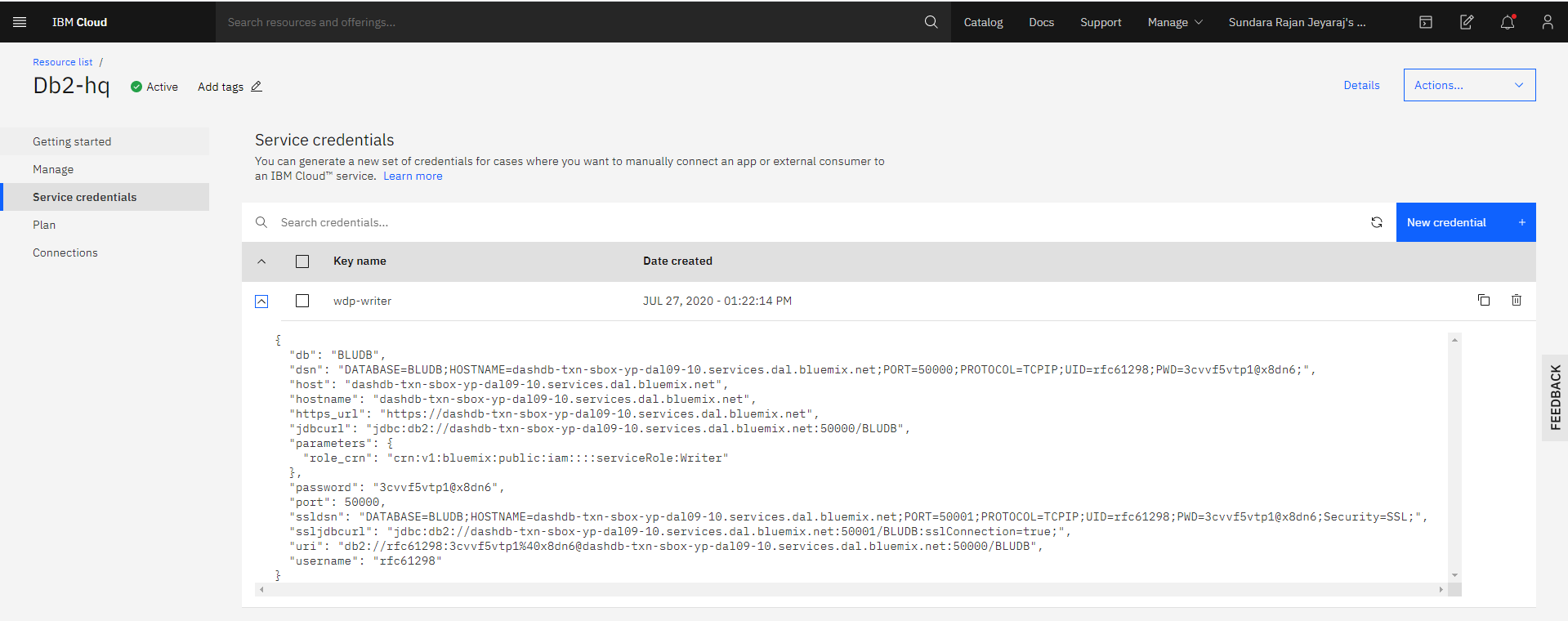
MAX\_SOIL\_MOISTURE DOUBLE )

Note: Replace the schema name of your DB2 instance

Snap of querries saved in script library



Service Credentials of DB2 instance



Db2 connection to Node Red App which is installed in Cloud Foundry

