Sprint-4

Train The Model On IBM

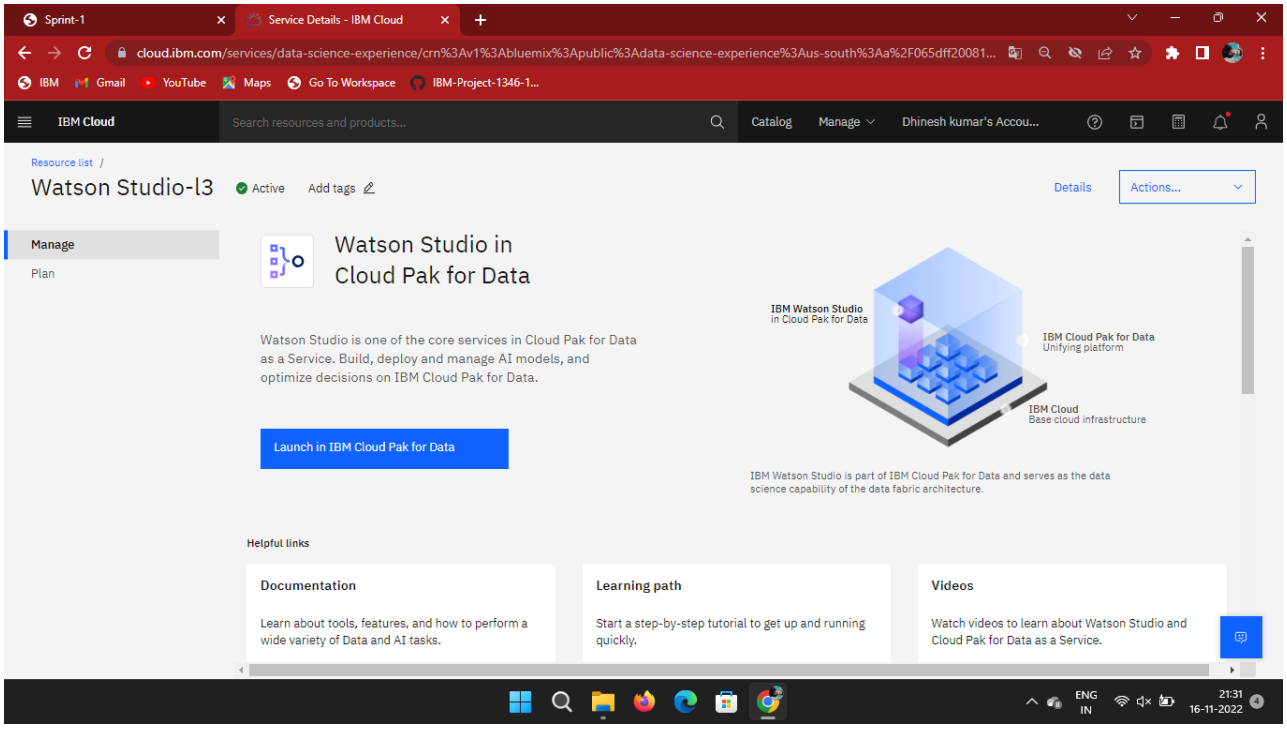
Train The Model on IBM Watson

Date	15 Nov 2022
TeamID	PNT2022TMID48059
ProjectName	Emerging Methods for Early Detection of Forest Fires

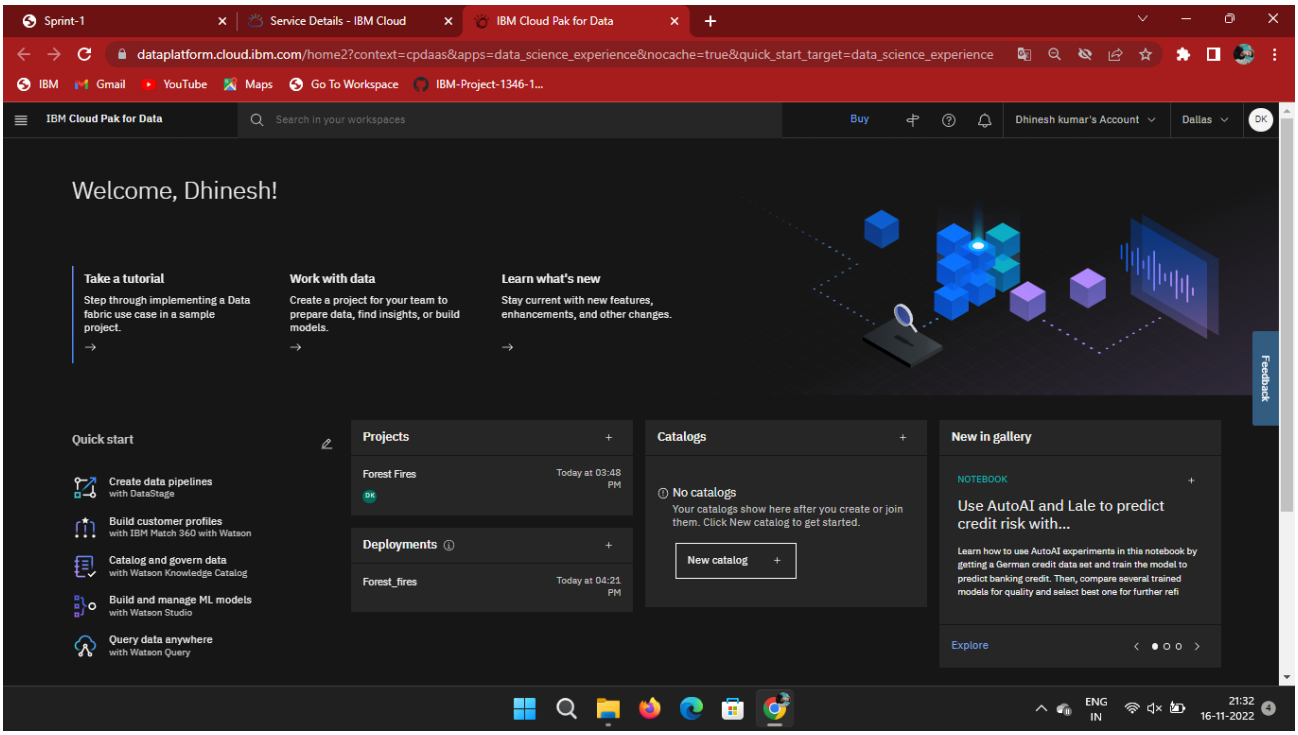
TASK:

Train The Model on IBM Watson:

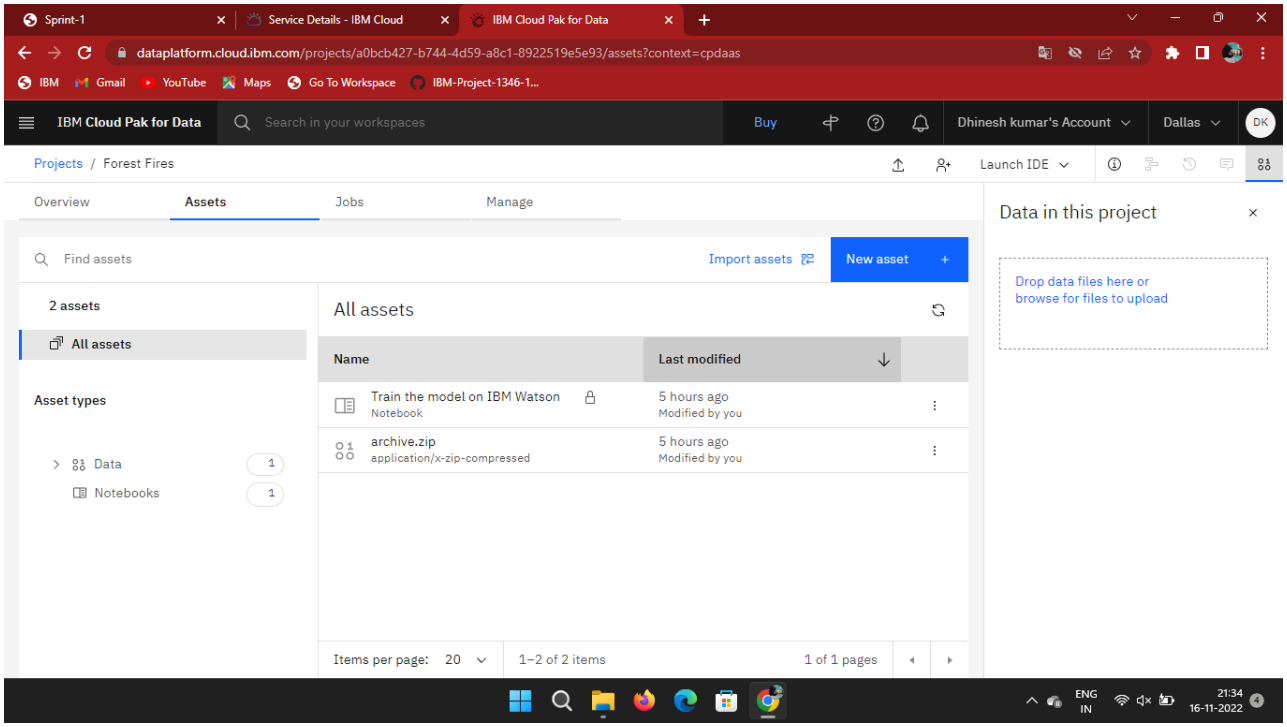
GO ON WATSON SERVICES(SCREEN SHOT):



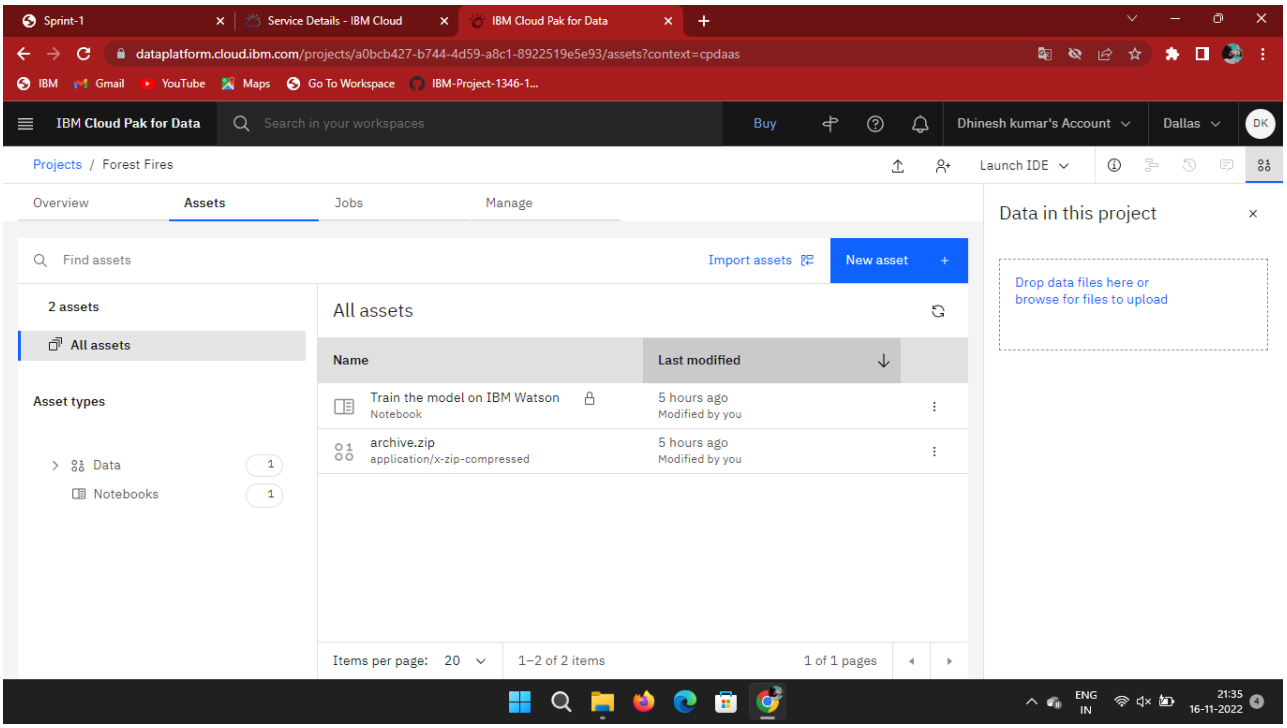
GO ON NEW PROJECT (SCREEN SHOT):



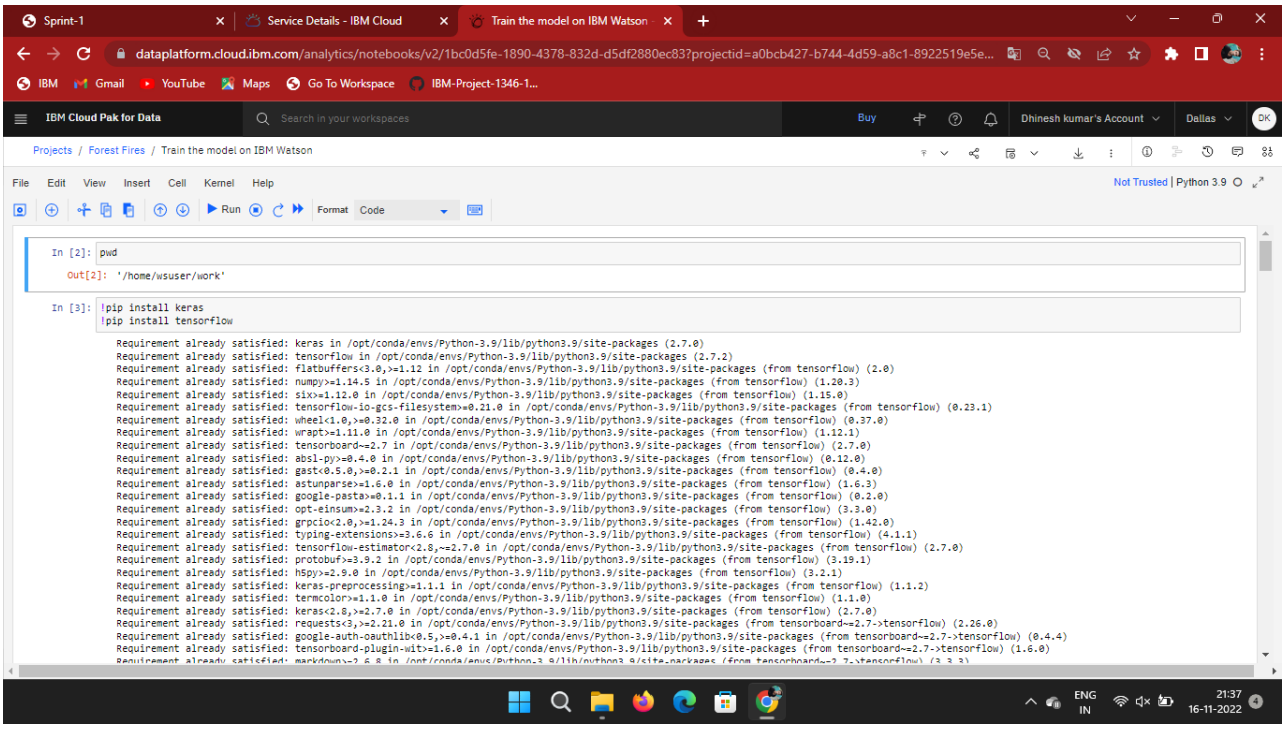
GO ON ASSEST(SCREEN SHOT):

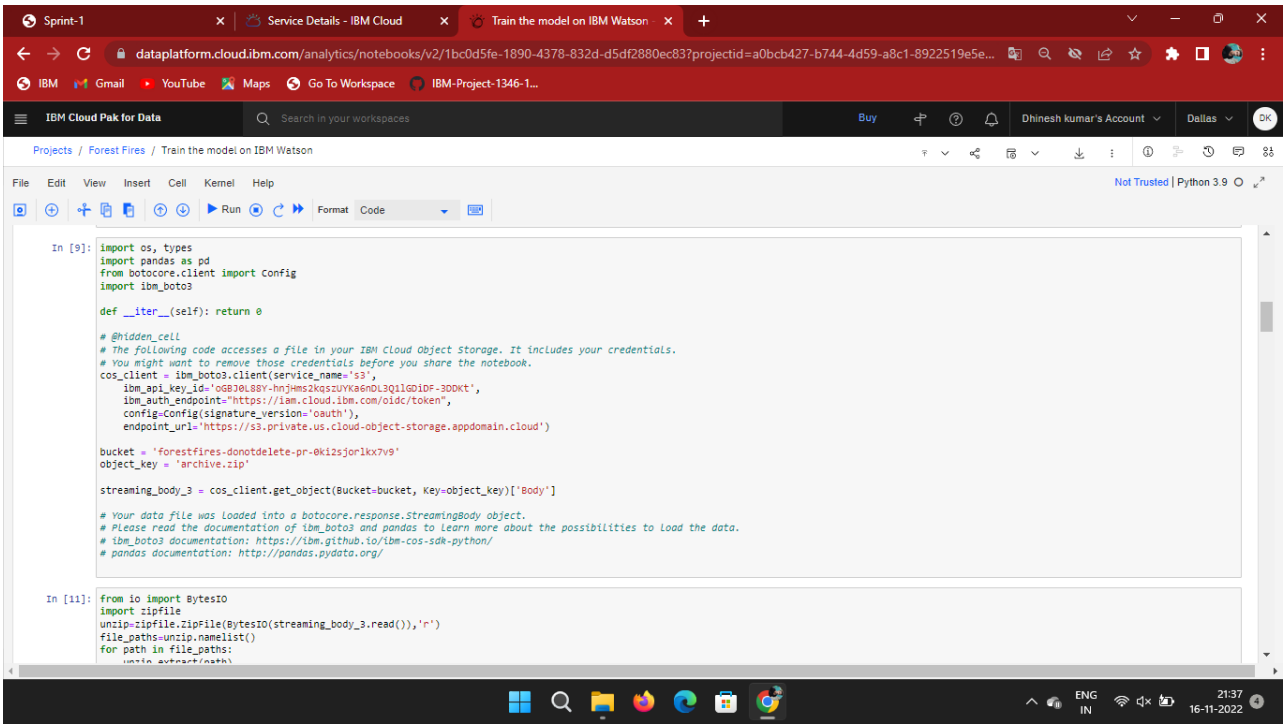


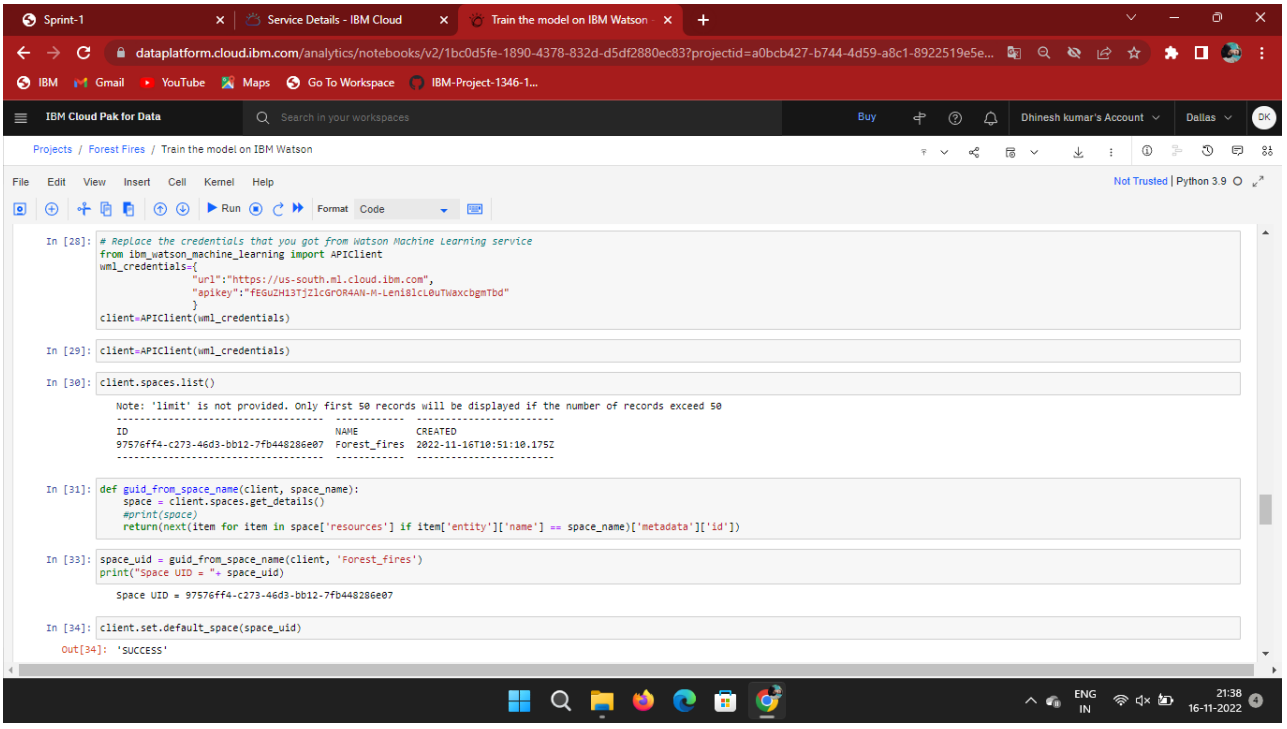
GO ON IBM_PROJECT(SCREEN SHOT):



JUPYTER NOTEBOOK(SCREEN SHOT):




Sprint-1
Service Details - IBM Cloud
Train the model on IBM Watson
dataplatform.cloud.ibm.com/analytics/notebooks/v2/1bc0d5fe-1890-4378-832d-d5df2880ec83?projectid=a0bcb427-b744-4d59-a8c1-8922519e5e...
IBM
Gmail
YouTube
Maps
Go To Workspace
IBM-Project-1346-1...
IBM Cloud Pak for Data
Search in your workspaces
Buy
Dhinesh kumar's Account
Dallas
Projects / Forest Fires / Train the model on IBM Watson
File Edit View Insert Cell Kernel Help
Not Trusted | Python 3.9
Run
Format Code
In [9]:
import os, types
import pandas as pd
from botocore.client import Config
import ibm_boto3
def __iter__(self): return 0
# @hidden_cell
# The following code accesses a file in your IBM Cloud Object Storage. It includes your credentials.
# You might want to remove those credentials before you share the notebook.
cos_client = ibm_boto3.client(service_name='s3',
ibm_api_key_id='oGBJ0L88Y-hnjHms2kqszUYKa6nDL3Q1lGDiDF-3DDKt',
ibm_auth_endpoint="https://iam.cloud.ibm.com/oidc/token",
config=Config(signature_version='oauth'),
endpoint_url='https://s3.private.us.cloud-object-storage.appdomain.cloud')
bucket = 'forestfires-donotdelete-pr-0ki2sjorlkx7v9'
object_key = 'archive.zip'
streaming_body_3 = cos_client.get_object(Bucket=bucket, Key=object_key)['Body']
# Your data file was loaded into a botocore.response.StreamingBody object.
# Please read the documentation of ibm_boto3 and pandas to learn more about the possibilities to load the data.
# ibm_boto3 documentation: https://ibm.github.io/ibm-cos-sdk-python/
# pandas documentation: http://pandas.pydata.org/
In [11]:
from io import BytesIO
import zipfile
unzip=zipfile.ZipFile(BytesIO(streaming_body_3.read()),'r')
file_paths=unzip.namelist()
for path in file_paths:
ENG
IN
21:37
16-11-2022


Sprint-1
Service Details - IBM Cloud
Train the model on IBM Watson
dataplatform.cloud.ibm.com/analytics/notebooks/v2/1bc0d5fe-1890-4378-832d-d5df2880ec83?projectid=a0bcb427-b744-4d59-a8c1-8922519e5e...
IBM
Gmail
YouTube
Maps
Go To Workspace
IBM-Project-1346-1...
IBM Cloud Pak for Data
Search in your workspaces
Buy
Dhinesh kumar's Account
Dallas
Projects / Forest Fires / Train the model on IBM Watson
File Edit View Insert Cell Kernel Help
Not Trusted | Python 3.9
Run
Format Code
In [28]:
# Replace the credentials that you got from Watson Machine Learning service
from ibm_watson_machine_learning import APIClient
wml_credentials={
"url":"https://us-south.ml.cloud.ibm.com",
"apikey":"fEGuZH13TjZlcGrOR4AN-M-Leni8lcL0uTWaxcbgmTbd"
}
client=APIClient(wml_credentials)
In [29]:
client=APIClient(wml_credentials)
In [30]:
client.spaces.list()
Note: 'limit' is not provided. Only first 50 records will be displayed if the number of records exceed 50
ID NAME CREATED
97576ff4-c273-46d3-bb12-7fb448286e07 Forest_fires 2022-11-16T10:51:10.175Z
In [31]:
def guid_from_space_name(client, space_name):
space = client.spaces.get_details()
#print(space)
return(next(item for item in space['resources'] if item['entity']['name'] == space_name)['metadata']['id'])
In [33]:
space_uid = guid_from_space_name(client, 'Forest_fires')
print("Space UID = "+ space_uid)
Space UID = 97576ff4-c273-46d3-bb12-7fb448286e07
In [34]:
client.set.default_space(space_uid)
Out[34]: 'SUCCESS'
ENG
IN
21:38
16-11-2022