```
In [1]:
```

```
!pip install watson-machine-learning-client
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-
wheels/public/simple/
Collecting watson-machine-learning-client
 Downloading watson machine learning client-1.0.391-py3-none-any.whl (538 k
B)
                               | 538 kB 12.3 MB/s
Requirement already satisfied: tqdm in /usr/local/lib/python3.7/dist-packages
 (from watson-machine-learning-client) (4.64.1)
Requirement already satisfied: requests in /usr/local/lib/python3.7/dist-pack
ages (from watson-machine-learning-client) (2.23.0)
Requirement already satisfied: urllib3 in /usr/local/lib/python3.7/dist-packa
ges (from watson-machine-learning-client) (1.24.3)
Requirement already satisfied: pandas in /usr/local/lib/python3.7/dist-packag
es (from watson-machine-learning-client) (1.3.5)
Requirement already satisfied: certifi in /usr/local/lib/python3.7/dist-packa
ges (from watson-machine-learning-client) (2022.9.24)
Collecting ibm-cos-sdk
 Downloading ibm-cos-sdk-2.12.0.tar.gz (55 kB)
                                     | 55 kB 4.2 MB/s
Collecting lomond
 Downloading lomond-0.3.3-py2.py3-none-any.whl (35 kB)
Collecting boto3
 Downloading boto3-1.26.7-py3-none-any.whl (132 kB)
                              | 132 kB 61.1 MB/s
Requirement already satisfied: tabulate in /usr/local/lib/python3.7/dist-pack
ages (from watson-machine-learning-client) (0.8.10)
Collecting botocore<1.30.0,>=1.29.7
 Downloading botocore-1.29.7-py3-none-any.whl (9.9 MB)
                                     | 9.9 \text{ MB } 57.9 \text{ MB/s}
Collecting s3transfer<0.7.0,>=0.6.0
 Downloading s3transfer-0.6.0-py3-none-any.whl (79 kB)
                                     \mid 79 kB 7.1 MB/s
Collecting jmespath<2.0.0,>=0.7.1
 Downloading jmespath-1.0.1-py3-none-any.whl (20 kB)
Collecting urllib3
 Downloading urllib3-1.26.12-py2.py3-none-any.whl (140 kB)
               | 140 kB 82.1 MB/s
Requirement already satisfied: python-dateutil<3.0.0,>=2.1 in /usr/local/lib/
python3.7/dist-packages (from botocore<1.30.0,>=1.29.7->boto3->watson-machine
-learning-client) (2.8.2)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-pack
ages (from python-dateutil<3.0.0,>=2.1->botocore<1.30.0,>=1.29.7->boto3->wats
on-machine-learning-client) (1.15.0)
Collecting ibm-cos-sdk-core==2.12.0
 Downloading ibm-cos-sdk-core-2.12.0.tar.gz (956 kB)
                                    | 956 kB 64.0 MB/s
Collecting ibm-cos-sdk-s3transfer==2.12.0
 Downloading ibm-cos-sdk-s3transfer-2.12.0.tar.gz (135 kB)
                        | 135 kB 58.9 MB/s
```

```
Collecting jmespath<2.0.0,>=0.7.1
  Downloading jmespath-0.10.0-py2.py3-none-any.whl (24 kB)
Collecting requests
  Downloading requests-2.28.1-py3-none-any.whl (62 kB)
                                      | 62 kB 1.2 MB/s
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.7/dist-
packages (from requests->watson-machine-learning-client) (2.10)
Requirement already satisfied: charset-normalizer<3,>=2 in /usr/local/lib/pyt
hon3.7/dist-packages (from requests->watson-machine-learning-client) (2.1.1)
Requirement already satisfied: numpy>=1.17.3 in /usr/local/lib/python3.7/dist
-packages (from pandas->watson-machine-learning-client) (1.21.6)
Requirement already satisfied: pytz>=2017.3 in /usr/local/lib/python3.7/dist-
packages (from pandas->watson-machine-learning-client) (2022.6)
Building wheels for collected packages: ibm-cos-sdk, ibm-cos-sdk-core, ibm-co
s-sdk-s3transfer
  Building wheel for ibm-cos-sdk (setup.py) ... done
  Created wheel for ibm-cos-sdk: filename=ibm cos sdk-2.12.0-py3-none-any.whl
 size=73931 sha256=7bb6d15b2a608d3d4657e6b5ba98f74ab002a084e180020f3a1f0213cb
a0bf37
  Stored in directory: /root/.cache/pip/wheels/ec/94/29/2b57327cf00664b661430
4f7958abd29d77ea0e5bbece2ea57
  Building wheel for ibm-cos-sdk-core (setup.py) ... done
  Created wheel for ibm-cos-sdk-core: filename=ibm cos sdk core-2.12.0-py3-no
ne-any.whl size=562962 sha256=1ee48cb7c85b75e505b11fca14d7dece0ff88d8c6ed47d5
d893a61e8a8e5fe94
  Stored in directory: /root/.cache/pip/wheels/64/56/fb/5cd6f4f40406c828a5289
b95b2752a4d142a9afb359244ed8d
  Building wheel for ibm-cos-sdk-s3transfer (setup.py) ... done
  Created wheel for ibm-cos-sdk-s3transfer: filename=ibm cos sdk s3transfer-
2.12.0-py3-none-any.whl size=89778 sha256=706652096c1249f97be1d9ec1bfcafcc322
4e10007fcba01a94bcf227043ab5f
  Stored in directory: /root/.cache/pip/wheels/57/79/6a/ffe3370ed7ebc00604f9f
76766e1e0348dcdcad2b2e32df9e1
Successfully built ibm-cos-sdk ibm-cos-sdk-core ibm-cos-sdk-s3transfer
Installing collected packages: urllib3, requests, jmespath, ibm-cos-sdk-core,
botocore, s3transfer, ibm-cos-sdk-s3transfer, lomond, ibm-cos-sdk, boto3, wa
tson-machine-learning-client
 Attempting uninstall: urllib3
    Found existing installation: urllib3 1.24.3
    Uninstalling urllib3-1.24.3:
      Successfully uninstalled urllib3-1.24.3
  Attempting uninstall: requests
    Found existing installation: requests 2.23.0
    Uninstalling requests-2.23.0:
      Successfully uninstalled requests-2.23.0
Successfully installed boto3-1.26.7 botocore-1.29.7 ibm-cos-sdk-2.12.0 ibm-co
s-sdk-core-2.12.0 ibm-cos-sdk-s3transfer-2.12.0 jmespath-0.10.0 lomond-0.3.3
requests-2.28.1 s3transfer-0.6.0 urllib3-1.26.12 watson-machine-learning-clie
nt-1.0.391
In [2]:
 !pip install ibm watson machine learning
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-
wheels/public/simple/
Collecting ibm watson machine learning
  Downloading ibm watson machine learning-1.0.257-py3-none-any.whl (1.8 MB)
                                     | 1.8 MB 12.5 MB/s
Requirement already satisfied: lomond in /usr/local/lib/python3.7/dist-packag
es (from ibm watson machine learning) (0.3.3)
Requirement already satisfied: tabulate in /usr/local/lib/python3.7/dist-pack
ages (from ibm watson machine learning) (0.8.10)
Requirement already satisfied: pandas<1.5.0,>=0.24.2 in /usr/local/lib/python
3.7/dist-packages (from ibm watson machine learning) (1.3.5)
Requirement already satisfied: certifi in /usr/local/lib/python3.7/dist-packa
ges (from ibm watson machine learning) (2022.9.24)
Requirement already satisfied: packaging in /usr/local/lib/python3.7/dist-pac
kages (from ibm watson machine learning) (21.3)
Requirement already satisfied: importlib-metadata in /usr/local/lib/python3.7
/dist-packages (from ibm watson machine learning) (4.13.0)
Requirement already satisfied: urllib3 in /usr/local/lib/python3.7/dist-packa
ges (from ibm watson machine learning) (1.26.12)
Requirement already satisfied: requests in /usr/local/lib/python3.7/dist-pack
ages (from ibm watson machine learning) (2.28.1)
Collecting ibm-cos-sdk==2.7.*
  Downloading ibm-cos-sdk-2.7.0.tar.gz (51 kB)
                                      | 51 kB 562 kB/s
Collecting ibm-cos-sdk-core==2.7.0
  Downloading ibm-cos-sdk-core-2.7.0.tar.gz (824 kB)
                                      | 824 kB 47.4 MB/s
Collecting ibm-cos-sdk-s3transfer==2.7.0
  Downloading ibm-cos-sdk-s3transfer-2.7.0.tar.gz (133 kB)
                                   | 133 kB 72.5 MB/s
Requirement already satisfied: jmespath<1.0.0,>=0.7.1 in /usr/local/lib/pytho
n3.7/dist-packages (from ibm-cos-sdk==2.7.*->ibm watson machine learning) (0.
10.0)
Collecting docutils<0.16,>=0.10
  Downloading docutils-0.15.2-py3-none-any.whl (547 kB)
                                    | 547 kB 72.5 MB/s
Requirement already satisfied: python-dateutil<3.0.0,>=2.1 in /usr/local/lib/
python3.7/dist-packages (from ibm-cos-sdk-core==2.7.0->ibm-cos-sdk==2.7.*->ib
m watson machine learning) (2.8.2)
Requirement already satisfied: pytz>=2017.3 in /usr/local/lib/python3.7/dist-
packages (from pandas<1.5.0,>=0.24.2->ibm watson machine learning) (2022.6)
Requirement already satisfied: numpy>=1.17.3 in /usr/local/lib/python3.7/dist
-packages (from pandas<1.5.0,>=0.24.2->ibm watson machine learning) (1.21.6)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-pack
ages (from python-dateutil<3.0.0,>=2.1->ibm-cos-sdk-core==2.7.0->ibm-cos-sdk=
=2.7.*->ibm watson machine learning) (1.15.0)
Requirement already satisfied: charset-normalizer<3,>=2 in /usr/local/lib/pyt
hon3.7/dist-packages (from requests->ibm watson machine learning) (2.1.1)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.7/dist-
packages (from requests->ibm watson machine_learning) (2.10)
Requirement already satisfied: zipp>=0.5 in /usr/local/lib/python3.7/dist-pac
kages (from importlib-metadata->ibm watson machine learning) (3.10.0)
```

```
Requirement already satisfied: typing-extensions>=3.6.4 in /usr/local/lib/pyt
hon3.7/dist-packages (from importlib-metadata->ibm watson machine learning)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in /usr/local/lib/pyt
hon3.7/dist-packages (from packaging->ibm watson machine learning) (3.0.9)
Building wheels for collected packages: ibm-cos-sdk, ibm-cos-sdk-core, ibm-co
s-sdk-s3transfer
  Building wheel for ibm-cos-sdk (setup.py) ... done
  Created wheel for ibm-cos-sdk: filename=ibm cos sdk-2.7.0-py2.py3-none-any.
whl size=72563 sha256=82b87c6ecc3373656ab6f3022e47f1184a879f9604adece00255929
c0f0ac90d
  Stored in directory: /root/.cache/pip/wheels/47/22/bf/e1154ff0f5de93cc477ac
d0ca69abfbb8b799c5b28a66b44c2
  Building wheel for ibm-cos-sdk-core (setup.py) ... done
  Created wheel for ibm-cos-sdk-core: filename=ibm cos sdk core-2.7.0-py2.py3
-none-any.whl size=501013 sha256=ab7a7e33ae17a0db11e44a904b9ab2a8d088491f1149
868eb4d1e7ba0f4a32de
  Stored in directory: /root/.cache/pip/wheels/6c/a2/e4/c16d02f809a3ea998e17c
fd02c13369281f3d232aaf5902c19
  Building wheel for ibm-cos-sdk-s3transfer (setup.py) ... done
  Created wheel for ibm-cos-sdk-s3transfer: filename=ibm cos sdk s3transfer-
2.7.0-py2.py3-none-any.whl size=88622 sha256=e6e47f580ebf120cd0d496be94e8c6c5
d4576a34da3be86eb6dfe2c2ec51634d
  Stored in directory: /root/.cache/pip/wheels/5f/b7/14/fbe02bc1ef1af890650c7
e51743d1c83890852e598d164b9da
Successfully built ibm-cos-sdk ibm-cos-sdk-core ibm-cos-sdk-s3transfer
Installing collected packages: docutils, ibm-cos-sdk-core, ibm-cos-sdk-s3tran
sfer, ibm-cos-sdk, ibm-watson-machine-learning
  Attempting uninstall: docutils
    Found existing installation: docutils 0.17.1
    Uninstalling docutils-0.17.1:
      Successfully uninstalled docutils-0.17.1
  Attempting uninstall: ibm-cos-sdk-core
    Found existing installation: ibm-cos-sdk-core 2.12.0
    Uninstalling ibm-cos-sdk-core-2.12.0:
      Successfully uninstalled ibm-cos-sdk-core-2.12.0
  Attempting uninstall: ibm-cos-sdk-s3transfer
    Found existing installation: ibm-cos-sdk-s3transfer 2.12.0
    Uninstalling ibm-cos-sdk-s3transfer-2.12.0:
      Successfully uninstalled ibm-cos-sdk-s3transfer-2.12.0
  Attempting uninstall: ibm-cos-sdk
    Found existing installation: ibm-cos-sdk 2.12.0
    Uninstalling ibm-cos-sdk-2.12.0:
      Successfully uninstalled ibm-cos-sdk-2.12.0
Successfully installed docutils-0.15.2 ibm-cos-sdk-2.7.0 ibm-cos-sdk-core-2.
7.0 ibm-cos-sdk-s3transfer-2.7.0 ibm-watson-machine-learning-1.0.257
In [3]:
 #Connecting to IBM Cloud from Notebook
from ibm watson machine learning import APIClient
credentials = {
     'url': 'https://eu-gb.ml.cloud.ibm.com',
```

```
'apikey':"IPJl2muoiEQuiCN8SlAVWhibUleKXXfaBLhsV1BqG13F"
 }
Client = APIClient(credentials)
Python 3.7 and 3.8 frameworks are deprecated and will be removed in a future
release. Use Python 3.9 framework instead.
In [4]:
Client
Out[4]:
In [5]:
Client.spaces.get details()
Out[5]:
{'resources': [{'entity': {'compute': [{'crn': 'crn:v1:bluemix:public:pm-20:e
u-qb:a/942b74057f4f4693a5063e53a1998c0a:fd4c34ac-8fb8-4091-803e-702fd69e726
8::',
      'quid': 'fd4c34ac-8fb8-4091-803e-702fd69e7268',
      'name': 'Watson Machine Learning-np',
      'type': 'machine learning'}],
    'description': '',
    'name': 'FFD DEPLOYMENT',
    'scope': {'bss account id': '942b74057f4f4693a5063e53a1998c0a'},
    'stage': {'production': False},
    'status': {'state': 'active'},
    'storage': {'properties': {'bucket name': '40eacea5-8669-4880-9cfa-020f7b
      'bucket region': 'eu-gb-standard',
      'credentials': {'admin': {'access key id': '58823ca22e35459f9ed23e5b64c
52395',
        'api key': 'sVpdNRV kFC io-UFrygUfCvKG73HUFzg6klpZTdATir',
        'secret access key': '7a4d123516809989ff6335da34b75262f8d1b2720b1e399
3',
        'service id': 'ServiceId-487cda5f-c257-41ec-91b1-3676d0a722ec'},
       'editor': {'access key id': '11c6512f22854163bdaeeaad7c6e634f',
        'api key': 'GEk5XKTAgI4ksFK3rCYNOdoOrITNeeZ9PAgU hnADMc0',
        'resource key crn': 'crn:v1:bluemix:public:cloud-object-storage:globa
1:a/942b74057f4f4693a5063e53a1998c0a:b78a8b79-a65e-42a3-ac79-d321809c7229::',
        'secret access key': 'c2da1f5c3c59a1dd9281f5f70452054b9ee9ed51ada007a
91,
        'service id': 'ServiceId-c50c41ba-8112-4602-bd81-898d2c342031'},
       'viewer': {'access key id': 'ffc7eb706a6a41b886114b0a6a379f9b',
        'api key': '7TwTkdvDMxsOLwSrclwGYq-hVjQPQisRmfb32p46tykQ',
        'resource key crn': 'crn:v1:bluemix:public:cloud-object-storage:globa
1:a/942b74057f4f4693a5063e53a1998c0a:b78a8b79-a65e-42a3-ac79-d321809c7229::',
        'secret access key': '6c0bccf003e873a5537a320adef6e931cfadc716784354a
f',
        'service id': 'ServiceId-bde18ae1-9a35-4d2a-aeee-874fcb6c31d1'}},
      'endpoint url': 'https://s3.eu-gb.cloud-object-storage.appdomain.cloud
١,
      'quid': 'b78a8b79-a65e-42a3-ac79-d321809c7229',
```

```
'resource crn': 'crn:v1:bluemix:public:cloud-object-storage:global:a/94
2b74057f4f4693a5063e53a1998c0a:b78a8b79-a65e-42a3-ac79-d321809c7229::'},
     'type': 'bmcos object storage'}},
   'metadata': {'created at': '2022-11-11T20:38:20.212Z',
    'creator id': 'IBMid-66100457F5',
    'id': '54f66e28-7d03-4808-8e64-b0c3b4826004',
    'updated at': '2022-11-11T20:38:37.758Z',
    'url': '/v2/spaces/54f66e28-7d03-4808-8e64-b0c3b4826004'}}]}
   In [6]:
Client.spaces.list()
Note: 'limit' is not provided. Only first 50 records will be displayed if the
 number of records exceed 50
                      _____
                                  NAME
ΙD
                                                 CREATED
54f66e28-7d03-4808-8e64-b0c3b4826004 FFD DEPLOYMENT 2022-11-11T20:38:20.212
In [7]:
space uid = '54f66e28-7d03-4808-8e64-b0c3b4826004' #Space User ID
space uid
Out[7]:
'54f66e28-7d03-4808-8e64-b0c3b4826004'
In [8]:
 #Setting created deployment space as default
Client.set.default space(space uid)
Out[8]:
'SUCCESS'
In [9]:
 #Seeing tensorflow asset id
Client.software specifications.list()
_____
                            ASSET ID
NAME
                                                                TYPE
default py3.6
                            0062b8c9-8b7d-44a0-a9b9-46c416adcbd9 base
kernel-spark3.2-scala2.12 020d69ce-7ac1-5e68-ac1a-31189867356a base pytorch-onnx_1.3-py3.7-edt 069ea134-3346-5748-b513-49120e15d288 base scikit-learn_0.20-py3.6 09c5a1d0-9c1e-4473-a344-eb7b665ff687 base
ai-function 0.1-py3.6
                           0cdb0f1e-5376-4f4d-92dd-da3b69aa9bda base
                            0e6e79df-875e-4f24-8ae9-62dcc2148306 base
shiny-r3.6
tensorflow_2.4-py3.7-horovod 1092590a-307d-563d-9b62-4eb7d64b3f22 base
                          10ac12d6-6b30-4ccd-8392-3e922c096a92 base
pytorch 1.1-py3.6
tensorflow 1.15-py3.6-ddl
                           111e41b3-de2d-5422-a4d6-bf776828c4b7 base
```

125b6d9a-5b1f-5e8d-972a-b251688ccf40 base

autoai-kb rt22.2-py3.10

```
runtime-22.1-py3.9
                               12b83a17-24d8-5082-900f-0ab31fbfd3cb base
scikit-learn 0.22-py3.6
                               154010fa-5b3b-4ac1-82af-4d5ee5abbc85
                                                                    base
                               1b70aec3-ab34-4b87-8aa0-a4a3c8296a36
default r3.6
                                                                     base
pytorch-onnx 1.3-py3.6
                               1bc6029a-cc97-56da-b8e0-39c3880dbbe7
                                                                     base
kernel-spark3.3-r3.6
                               1c9e5454-f216-59dd-a20e-474a5cdf5988
                                                                     base
pytorch-onnx rt22.1-py3.9-edt 1d362186-7ad5-5b59-8b6c-9d0880bde37f base
tensorflow 2.1-py3.6
                               1eb25b84-d6ed-5dde-b6a5-3fbdf1665666 base
spark-mllib 3.2
                               20047f72-0a98-58c7-9ff5-a77b012eb8f5
                                                                     base
tensorflow 2.4-py3.8-horovod
                               217c16f6-178f-56bf-824a-b19f20564c49
                                                                     base
runtime-22.1-py3.9-cuda
                               26215f05-08c3-5a41-a1b0-da66306ce658 base
do py3.8
                               295addb5-9ef9-547e-9bf4-92ae3563e720
                                                                     base
autoai-ts 3.8-py3.8
                               2aa0c932-798f-5ae9-abd6-15e0c2402fb5 base
tensorflow 1.15-py3.6
                               2b73a275-7cbf-420b-a912-eae7f436e0bc base
                               2b7961e2-e3b1-5a8c-a491-482c8368839a base
kernel-spark3.3-py3.9
pytorch 1.2-py3.6
                               2c8ef57d-2687-4b7d-acce-01f94976dac1 base
spark-mllib 2.3
                               2e51f700-bca0-4b0d-88dc-5c6791338875 base
pytorch-onnx 1.1-py3.6-edt
                               32983cea-3f32-4400-8965-dde874a8d67e base
spark-mllib 3.0-py37
                               36507ebe-8770-55ba-ab2a-eafe787600e9 base
                               390d21f8-e58b-4fac-9c55-d7ceda621326 base
spark-mllib 2.4
autoai-ts rt22.2-py3.10
                               396b2e83-0953-5b86-9a55-7ce1628a406f base
xgboost 0.82-py3.6
                               39e31acd-5f30-41dc-ae44-60233c80306e base
pytorch-onnx 1.2-py3.6-edt
                               40589d0e-7019-4e28-8daa-fb03b6f4fe12 base
pytorch-onnx rt22.2-py3.10
                               40e73f55-783a-5535-b3fa-0c8b94291431 base
default r36py38
                               41c247d3-45f8-5a71-b065-8580229facf0 base
                               4269d26e-07ba-5d40-8f66-2d495b0c71f7 base
autoai-ts rt22.1-py3.9
autoai-obm 3.0
                               42b92e18-d9ab-567f-988a-4240ba1ed5f7 base
pmml-3.0 4.3
                               493bcb95-16f1-5bc5-bee8-81b8af80e9c7
                                                                     base
spark-mllib 2.4-r 3.6
                               49403dff-92e9-4c87-a3d7-a42d0021c095 base
xgboost 0.90-py3.6
                               4ff8d6c2-1343-4c18-85e1-689c965304d3 base
pytorch-onnx 1.1-py3.6
                               50f95b2a-bc16-43bb-bc94-b0bed208c60b base
autoai-ts 3.9-py3.8
                               52c57136-80fa-572e-8728-a5e7cbb42cde base
spark-mllib 2.4-scala 2.11
                               55a70f99-7320-4be5-9fb9-9edb5a443af5 base
spark-mllib 3.0
                               5c1b0ca2-4977-5c2e-9439-ffd44ea8ffe9 base
                               5c2e37fa-80b8-5e77-840f-d912469614ee base
autoai-obm 2.0
spss-modeler 18.1
                               5c3cad7e-507f-4b2a-a9a3-ab53a21dee8b base
cuda-py3.8
                               5d3232bf-c86b-5df4-a2cd-7bb870a1cd4e base
autoai-kb 3.1-py3.7
                               632d4b22-10aa-5180-88f0-f52dfb6444d7 base
                               634d3cdc-b562-5bf9-a2d4-ea90a478456b base
pytorch-onnx 1.7-py3.8
Note: Only first 50 records were displayed. To display more use 'limit' param
eter.
In [10]:
software space uid =
Client.software specifications.get uid by name('tensorflow rt22.1-py3.9')
software space uid
Out[10]:
'acd9c798-6974-5d2f-a657-ce06e986df4d'
```

In [14]:

```
model details =
Client.repository.store model(model="/content/forest fire detection.tgz", met
    Client.repository.ModelMetaNames.NAME:"CNN Model for Forest fire
detection",
    Client.repository.ModelMetaNames.TYPE:"tensorflow 2.7",
    Client.repository.ModelMetaNames.SOFTWARE SPEC UID:software space uid
})
In [15]:
model details
Out[15]:
{'entity': {'hybrid pipeline software specs': [],
  'software spec': {'id': 'acd9c798-6974-5d2f-a657-ce06e986df4d',
  'name': 'tensorflow rt22.1-py3.9'},
  'type': 'tensorflow 2.7'},
 'metadata': {'created at': '2022-11-11T21:05:25.592Z',
  'id': '5b00deac-d7d6-42fb-86d5-85db521f4895',
  'modified at': '2022-11-11T21:05:27.865Z',
  'name': 'CNN Model for Forest fire detection',
  'owner': 'IBMid-66100457F5',
  'resource key': '502f7e12-df84-4de4-bad4-187fca47b231',
  'space id': '54f66e28-7d03-4808-8e64-b0c3b4826004'},
 'system': {'warnings': []}}
In [16]:
model id = Client.repository.get model uid(model details)
model id
This method is deprecated, please use get model id()
/usr/local/lib/python3.7/dist-packages/ibm watson machine learning/repositor
y.py:1453: UserWarning: This method is deprecated, please use get model id()
  warn("This method is deprecated, please use get model id()")
Out[16]:
'5b00deac-d7d6-42fb-86d5-85db521f4895'
In [17]:
 #Downloading the model from IBM Cloud
Client.repository.download(model id,'ffd model.tgz')
Successfully saved model content to file: 'ffd model.tgz'
Out[17]:
'/content/
```