```
In [1]:
```

```
!pip install watson-machine-learning-client
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/publi
c/simple/
Collecting watson-machine-learning-client
  Downloading watson machine learning client-1.0.391-py3-none-any.whl (538 kB)
                                   | 538 kB 12.3 MB/s
Requirement already satisfied: tqdm in /usr/local/lib/python3.7/dist-packages (from watso
n-machine-learning-client) (4.64.1)
Requirement already satisfied: requests in /usr/local/lib/python3.7/dist-packages (from w
atson-machine-learning-client) (2.23.0)
Requirement already satisfied: urllib3 in /usr/local/lib/python3.7/dist-packages (from wa
tson-machine-learning-client) (1.24.3)
Requirement already satisfied: pandas in /usr/local/lib/python3.7/dist-packages (from wat
son-machine-learning-client) (1.3.5)
Requirement already satisfied: certifi in /usr/local/lib/python3.7/dist-packages (from wa
tson-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-packages (from w
atson-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 MB 57.9 MB/s
Collecting s3transfer<0.7.0,>=0.6.0
  Downloading s3transfer-0.6.0-py3-none-any.whl (79 kB)
                                      | 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/di
st-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-packages (from p
ython-dateutil<3.0.0,>=2.1->botocore<1.30.0,>=1.29.7->boto3->watson-machine-learning-clie
nt) (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 (fr
om requests->watson-machine-learning-client) (2.10)
Requirement already satisfied: charset-normalizer<3,>=2 in /usr/local/lib/python3.7/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 (f
rom pandas->watson-machine-learning-client) (1.21.6)
Requirement already satisfied: pytz>=2017.3 in /usr/local/lib/python3.7/dist-packages (fr
om pandas->watson-machine-learning-client) (2022.6)
Building wheels for collected packages: ibm-cos-sdk, ibm-cos-sdk-core, ibm-cos-sdk-s3tran
  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=7bb6d15b2a608d3d4657e6b5ba98f74ab002a084e180020f3a1f0213cba0bf37
  Stored in directory: /root/.cache/pip/wheels/ec/94/29/2b57327cf00664b6614304f7958abd29d
77ea0e5bbece2ea57
  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-none-any.whl s
ize=562962 sha256=1ee48cb7c85b75e505b11fca14d7dece0ff88d8c6ed47d5d893a61e8a8e5fe94
  Stored in directory: /root/.cache/pip/wheels/64/56/fb/5cd6f4f40406c828a5289b95b2752a4d1
42a9afb359244ed8d
  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-no
ne-any.whl size=89778 sha256=706652096c1249f97be1d9ec1bfcafcc3224e10007fcba01a94bcf227043
  Stored in directory: /root/.cache/pip/wheels/57/79/6a/ffe3370ed7ebc00604f9f76766e1e0348
dcdcad2b2e32df9e1
Successfully built ibm-cos-sdk ibm-cos-sdk-core ibm-cos-sdk-s3transfer
Installing collected packages: urllib3, requests, jmespath, ibm-cos-sdk-core, botocore, s
3transfer, ibm-cos-sdk-s3transfer, lomond, ibm-cos-sdk, boto3, watson-machine-learning-cl
ient
  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-cos-sdk-core-2
.12.0 ibm-cos-sdk-s3transfer-2.12.0 jmespath-0.10.0 lomond-0.3.3 requests-2.28.1 s3transf
er-0.6.0 urllib3-1.26.12 watson-machine-learning-client-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/publi
c/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-packages (from ibm
watson machine learning) (0.3.3)
Requirement already satisfied: tabulate in /usr/local/lib/python3.7/dist-packages (from i
bm watson machine learning) (0.8.10)
Requirement already satisfied: pandas<1.5.0,>=0.24.2 in /usr/local/lib/python3.7/dist-pac
kages (from ibm_watson_machine_learning) (1.3.5)
Requirement already satisfied: certifi in /usr/local/lib/python3.7/dist-packages (from ib
m_watson_machine_learning) (2022.9.24)
Requirement already satisfied: packaging in /usr/local/lib/python3.7/dist-packages (from
ibm_watson_machine_learning) (21.3)
Requirement already satisfied: importlib-metadata in /usr/local/lib/python3.7/dist-packag
es (from ibm watson machine learning) (4.13.0)
Requirement already satisfied: urllib3 in /usr/local/lib/python3.7/dist-packages (from ib
m watson machine learning) (1.26.12)
Requirement already satisfied: requests in /usr/local/lib/python3.7/dist-packages (from i
bm 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 jusr/local/lib/python3.7/dist-path
ckages (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/di
st-packages (from ibm-cos-sdk-core==2.7.0->ibm-cos-sdk==2.7.*->ibm watson machine learnin
g) (2.8.2)
```

```
om 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 (f
rom 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-packages (from p
ython-dateutil<3.0.0,>=2.1->ibm-cos-sdk-core==2.7.0->ibm-cos-sdk==2.7.*->ibm watson machi
ne learning) (1.15.0)
Requirement already satisfied: charset-normalizer<3,>=2 in /usr/local/lib/python3.7/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 (fr
om requests->ibm watson machine learning) (2.10)
Requirement already satisfied: zipp>=0.5 in /usr/local/lib/python3.7/dist-packages (from
importlib-metadata->ibm watson machine learning) (3.10.0)
Requirement already satisfied: typing-extensions>=3.6.4 in /usr/local/lib/python3.7/dist-
packages (from importlib-metadata->ibm watson machine learning) (4.1.1)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in /usr/local/lib/python3.7/dist-
packages (from packaging->ibm watson machine learning) (3.0.9)
Building wheels for collected packages: ibm-cos-sdk, ibm-cos-sdk-core, ibm-cos-sdk-s3tran
  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=725
63 sha256=82b87c6ecc3373656ab6f3022e47f1184a879f9604adece00255929c0f0ac90d
  Stored in directory: /root/.cache/pip/wheels/47/22/bf/e1154ff0f5de93cc477acd0ca69abfbb8
b799c5b28a66b44c2
  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.wh
1 size=501013 sha256=ab7a7e33ae17a0db11e44a904b9ab2a8d088491f1149868eb4d1e7ba0f4a32de
  Stored in directory: /root/.cache/pip/wheels/6c/a2/e4/c16d02f809a3ea998e17cfd02c1336928
1f3d232aaf5902c19
  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=e6e47f580ebf120cd0d496be94e8c6c5d4576a34da3be86eb6dfe2c2e
c51634d
  Stored in directory: /root/.cache/pip/wheels/5f/b7/14/fbe02bc1ef1af890650c7e51743d1c838
90852e598d164b9da
Successfully built ibm-cos-sdk ibm-cos-sdk-core ibm-cos-sdk-s3transfer
Installing collected packages: docutils, ibm-cos-sdk-core, ibm-cos-sdk-s3transfer, ibm-co
s-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-s
dk-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':"IPJ12muoiEQuiCN8S1AVWhibUleKXXfaBLhsV1BqG13F"
Client = APIClient(credentials)
```

Requirement already satisfied: pytz>=2017.3 in /usr/local/lib/python3.7/dist-packages (fr

Python 3.7 and 3.8 frameworks are deprecated and will be removed in a future release. Use Python 3.9 framework instead.

```
Client
Out[4]:
<ibm watson machine learning.client.APIClient at 0x7f98149ba850>
In [5]:
Client.spaces.get details()
Out[5]:
{'resources': [{'entity': {'compute': [{'crn': 'crn:v1:bluemix:public:pm-20:eu-gb:a/942b7
4057f4f4693a5063e53a1998c0a:fd4c34ac-8fb8-4091-803e-702fd69e7268::',
      '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-020f7b937fd4',
      'bucket region': 'eu-gb-standard',
      'credentials': {'admin': {'access key id': '58823ca22e35459f9ed23e5b64c52395',
        'api key': 'sVpdNRV kFC io-UFrygUfCvKG73HUFzg6klpZTdATir',
        'secret access key': '7a4d123516809989ff6335da34b75262f8d1b2720b1e3993',
        '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:global:a/942b7405
7f4f4693a5063e53a1998c0a:b78a8b79-a65e-42a3-ac79-d321809c7229::',
        'secret access key': 'c2da1f5c3c59a1dd9281f5f70452054b9ee9ed51ada007a9',
        '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:global:a/942b7405
7f4f4693a5063e53a1998c0a:b78a8b79-a65e-42a3-ac79-d321809c7229::',
        'secret access key': '6c0bccf003e873a5537a320adef6e931cfadc716784354af',
        'service id': 'ServiceId-bde18ae1-9a35-4d2a-aeee-874fcb6c31d1'}},
      'endpoint url': 'https://s3.eu-gb.cloud-object-storage.appdomain.cloud',
      'guid': 'b78a8b79-a65e-42a3-ac79-d321809c7229',
      'resource crn': 'crn:v1:bluemix:public:cloud-object-storage:global:a/942b74057f4f46
93a5063e53a1998c0a: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 r
ecords exceed 50
                                      NAME
                                                      CREATED
54f66e28-7d03-4808-8e64-b0c3b4826004 FFD DEPLOYMENT 2022-11-11T20:38:20.212Z
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
scikit-learn 0.20-py3.6
                               09c5a1d0-9c1e-4473-a344-eb7b665ff687
spark-mllib 3.0-scala 2.12
                               09f4cff0-90a7-5899-b9ed-1ef348aebdee
pytorch-onnx rt22.1-py3.9
                               0b848dd4-e681-5599-be41-b5f6fccc6471
                                                                    base
ai-function_0.1-py3.6
                               Ocdb0f1e-5376-4f4d-92dd-da3b69aa9bda
                                                                    base
                               0e6e79df-875e-4f24-8ae9-62dcc2148306
shiny-r3.6
                                                                    base
                               1092590a-307d-563d-9b62-4eb7d64b3f22 base
tensorflow 2.4-py3.7-horovod
                               10ac12d6-6b30-4ccd-8392-3e922c096a92 base
pytorch 1.1-py3.6
tensorflow 1.15-py3.6-ddl
                               111e41b3-de2d-5422-a4d6-bf776828c4b7
                                                                    base
autoai-kb rt22.2-py3.10
                               125b6d9a-5b1f-5e8d-972a-b251688ccf40 base
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 base
default r3.6
pytorch-onnx 1.3-py3.6
                               1bc6029a-cc97-56da-b8e0-39c3880dbbe7
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
                               20047f72-0a98-58c7-9ff5-a77b012eb8f5
spark-mllib 3.2
                                                                     base
tensorflow 2.4-py3.8-horovod
                               217c16f6-178f-56bf-824a-b19f20564c49
                                                                     base
runtime-22.1-py3.9-cuda
                               26215f05-08c3-5a41-a1b0-da66306ce658
                               295addb5-9ef9-547e-9bf4-92ae3563e720
do py3.8
autoai-ts 3.8-py3.8
                               2aa0c932-798f-5ae9-abd6-15e0c2402fb5
tensorflow 1.15-py3.6
                               2b73a275-7cbf-420b-a912-eae7f436e0bc
                                                                    base
                               2b7961e2-e3b1-5a8c-a491-482c8368839a
kernel-spark3.3-py3.9
                                                                    base
pytorch 1.2-py3.6
                               2c8ef57d-2687-4b7d-acce-01f94976dac1
                                                                    base
                               2e51f700-bca0-4b0d-88dc-5c6791338875
spark-mllib 2.3
                                                                    base
                               32983cea-3f32-4400-8965-dde874a8d67e base
pytorch-onnx 1.1-py3.6-edt
spark-mllib 3.0-py37
                               36507ebe-8770-55ba-ab2a-eafe787600e9 base
spark-mllib 2.4
                               390d21f8-e58b-4fac-9c55-d7ceda621326 base
autoai-ts rt22.2-py3.10
                               396b2e83-0953-5b86-9a55-7ce1628a406f base
                               39e31acd-5f30-41dc-ae44-60233c80306e base
xgboost 0.82-py3.6
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
                               41c247d3-45f8-5a71-b065-8580229facf0
default_r36py38
                                                                     base
autoai-ts rt22.1-py3.9
                               4269d26e-07ba-5d40-8f66-2d495b0c71f7
                                                                     base
autoai-obm 3.0
                               42b92e18-d9ab-567f-988a-4240ba1ed5f7
                                                                     base
pmm1-3.04.3
                               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
pytorch-onnx 1.1-py3.6
                               50f95b2a-bc16-43bb-bc94-b0bed208c60b
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
                               5d3232bf-c86b-5df4-a2cd-7bb870a1cd4e base
cuda-py3.8
autoai-kb 3.1-py3.7
                               632d4b22-10aa-5180-88f0-f52dfb6444d7 base
pytorch-onnx 1.7-py3.8
                               634d3cdc-b562-5bf9-a2d4-ea90a478456b base
```

Note: Only first 50 records were displayed. To display more use 'limit' parameter.

## In [10]:

```
software_space_uid = Client.software_specifications.get_uid_by_name('tensorflow_rt22.1-py
3.9')
software_space_uid
```

```
Out[10]:
'acd9c798-6974-5d2f-a657-ce06e986df4d'
In [14]:
model details = Client.repository.store model(model="/content/forest fire detection.tgz",
meta props={
    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/repository.py:1453: Us
erWarning: 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/ffd model.tgz'
```