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It includes your credentials.\n# You might want to remove those credentials before you share the notebook.\ncos\_client = ibm\_boto3.client(service\_name='s3',\n ibm\_api\_key\_id='IMzFuAWRpYPnwh2XocJvGqTbHiPAMNnnEcIBBt8bQRGq',\n ibm\_auth\_endpoint=\"https://iam.cloud.ibm.com/oidc/token\",\n config=Config(signature\_version='oauth'),\n endpoint\_url='https://s3.private.us.cloud-object-storage.appdomain.cloud')\n\nbucket = 'realtimecommunication-donotdelete-pr-fx3wrumk8qzbvv'\nobject\_key = 'Dataset.zip'\n\nstreaming\_body\_7 = cos\_client.get\_object(Bucket=bucket, Key=object\_key)['Body']\n\n# Your data file was loaded into a botocore.response.StreamingBody object.\n# Please read the documentation of ibm\_boto3 and pandas to learn more about the possibilities to load the data.\n# ibm\_boto3 documentation: https://ibm.github.io/ibm-cos-sdk-python/\n# pandas documentation: http://pandas.pydata.org/\n", "execution\_count": 3, "outputs": []}, {"metadata": {"colab": {"base\_uri": 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\"sequential\"\n\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n Layer (type) Output Shape Param # \n=================================================================\n conv2d (Conv2D) (None, 62, 62, 32) 896 \n \n max\_pooling2d (MaxPooling2D (None, 31, 31, 32) 0 \n ) \n \n flatten (Flatten) (None, 30752) 0 \n \n=================================================================\nTotal params: 896\nTrainable params: 896\nNon-trainable params: 0\n\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n", "name": "stdout"}]}, {"metadata": {"id": "QZoyo7TtNj9u"}, "cell\_type": "markdown", "source": "# 9.]ADDING LAYERS FOR MODEL TRAINING."}, {"metadata": {"id": "HLK-QpeFNwyz"}, "cell\_type": "markdown", "source": "# HIDDEN LAYERS"}, {"metadata": {"id": "fYWVG08rNjwG"}, "cell\_type": "code", "source": "model.add(Dense(units = 300, 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removed in a future version. Please use `Model.fit`, which supports generators.\n model.fit\_generator(x\_train,steps\_per\_epoch=630,epochs=10,validation\_data=x\_test,validation\_steps=90)\n", "name": "stderr"}, {"output\_type": "stream", "text": "Epoch 1/10\n630/630 [==============================] - 70s 111ms/step - loss: 0.2427 - accuracy: 0.9357 - val\_loss: 0.2130 - val\_accuracy: 0.9756\nEpoch 2/10\n630/630 [==============================] - 70s 112ms/step - loss: 0.0314 - accuracy: 0.9905 - val\_loss: 0.2702 - val\_accuracy: 0.9778\nEpoch 3/10\n630/630 [==============================] - 71s 113ms/step - loss: 0.0158 - accuracy: 0.9952 - val\_loss: 0.3915 - val\_accuracy: 0.9596\nEpoch 4/10\n630/630 [==============================] - 71s 112ms/step - loss: 0.0094 - accuracy: 0.9969 - val\_loss: 0.3320 - val\_accuracy: 0.9747\nEpoch 5/10\n630/630 [==============================] - 70s 111ms/step - loss: 0.0115 - accuracy: 0.9957 - val\_loss: 0.3552 - val\_accuracy: 0.9760\nEpoch 6/10\n630/630 [==============================] - 71s 112ms/step - loss: 0.0066 - accuracy: 0.9978 - val\_loss: 0.3470 - val\_accuracy: 0.9756\nEpoch 7/10\n630/630 [==============================] - 69s 110ms/step - loss: 0.0094 - accuracy: 0.9973 - val\_loss: 0.3686 - val\_accuracy: 0.9711\nEpoch 8/10\n630/630 [==============================] - 69s 110ms/step - loss: 0.0127 - accuracy: 0.9960 - val\_loss: 0.7356 - val\_accuracy: 0.9751\nEpoch 9/10\n630/630 [==============================] - 69s 109ms/step - loss: 0.0048 - accuracy: 0.9987 - val\_loss: 0.3163 - val\_accuracy: 0.9773\nEpoch 10/10\n630/630 [==============================] - 69s 109ms/step - loss: 0.0047 - accuracy: 0.9988 - val\_loss: 0.4326 - val\_accuracy: 0.9764\n", "name": "stdout"}, {"output\_type": "execute\_result", "execution\_count": 25, "data": {"text/plain": "<keras.callbacks.History at 0x7f301018cf40>"}, "metadata": {}}]}, {"metadata": {"id": "Av9oIJI2P-lD"}, "cell\_type": "markdown", "source": "# 12.]SAVING THE MODEL"}, 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0:00:01\n\u001b[?25hRequirement already satisfied: lomond in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from watson\_machine\_learning\_client) (0.3.3)\nRequirement already satisfied: tqdm in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from watson\_machine\_learning\_client) (4.62.3)\nRequirement already satisfied: urllib3 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from watson\_machine\_learning\_client) (1.26.7)\nRequirement already satisfied: boto3 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from watson\_machine\_learning\_client) (1.18.21)\nRequirement already satisfied: tabulate in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from watson\_machine\_learning\_client) (0.8.9)\nRequirement already satisfied: certifi in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from watson\_machine\_learning\_client) (2022.9.24)\nRequirement already satisfied: pandas in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from watson\_machine\_learning\_client) (1.3.4)\nRequirement already satisfied: ibm-cos-sdk in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from watson\_machine\_learning\_client) (2.11.0)\nRequirement already satisfied: requests in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from watson\_machine\_learning\_client) (2.26.0)\nRequirement already satisfied: jmespath<1.0.0,>=0.7.1 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from boto3->watson\_machine\_learning\_client) (0.10.0)\nRequirement already satisfied: botocore<1.22.0,>=1.21.21 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from boto3->watson\_machine\_learning\_client) (1.21.41)\nRequirement already satisfied: s3transfer<0.6.0,>=0.5.0 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from boto3->watson\_machine\_learning\_client) (0.5.0)\nRequirement already satisfied: python-dateutil<3.0.0,>=2.1 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from botocore<1.22.0,>=1.21.21->boto3->watson\_machine\_learning\_client) (2.8.2)\nRequirement already satisfied: six>=1.5 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from python-dateutil<3.0.0,>=2.1->botocore<1.22.0,>=1.21.21->boto3->watson\_machine\_learning\_client) (1.15.0)\nRequirement already satisfied: ibm-cos-sdk-s3transfer==2.11.0 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from ibm-cos-sdk->watson\_machine\_learning\_client) (2.11.0)\nRequirement already satisfied: ibm-cos-sdk-core==2.11.0 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from ibm-cos-sdk->watson\_machine\_learning\_client) (2.11.0)\nRequirement already satisfied: charset-normalizer~=2.0.0 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from requests->watson\_machine\_learning\_client) (2.0.4)\nRequirement already satisfied: idna<4,>=2.5 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from requests->watson\_machine\_learning\_client) (3.3)\nRequirement already satisfied: pytz>=2017.3 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from pandas->watson\_machine\_learning\_client) (2021.3)\nRequirement already satisfied: numpy>=1.17.3 in /opt/conda/envs/Python-3.9/lib/python3.9/site-packages (from pandas->watson\_machine\_learning\_client) (1.20.3)\nInstalling collected packages: watson-machine-learning-client\nSuccessfully installed watson-machine-learning-client-1.0.391\n", "name": "stdout"}]}, {"metadata": {}, "cell\_type": "markdown", "source": "# 15.]IMPORTING APICLIENT FOR DEPLOYING."}, {"metadata": {}, "cell\_type": "code", "source": "from ibm\_watson\_machine\_learning import APIClient\nurl\_credentials = {\n \"url\": \"https://us-south.ml.cloud.ibm.com\",\n #\"apikey\": \"sqLVTXSP3nnAKfzJ1rKRKCpNzS\_XZ8\_HXa9FRwV7BvOP\"\n \"apikey\": \"yVlgJh\_0MVtYQmrWl9PAa6M60YXRYSkm0BXYZjlfnmrz\"\n}\nclient = APIClient(url\_credentials)\n", "execution\_count": 113, "outputs": []}, {"metadata": {}, "cell\_type": "code", "source": 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32983cea-3f32-4400-8965-dde874a8d67e base\nspark-mllib\_3.0-py37 36507ebe-8770-55ba-ab2a-eafe787600e9 base\nspark-mllib\_2.4 390d21f8-e58b-4fac-9c55-d7ceda621326 base\nautoai-ts\_rt22.2-py3.10 396b2e83-0953-5b86-9a55-7ce1628a406f base\nxgboost\_0.82-py3.6 39e31acd-5f30-41dc-ae44-60233c80306e base\npytorch-onnx\_1.2-py3.6-edt 40589d0e-7019-4e28-8daa-fb03b6f4fe12 base\npytorch-onnx\_rt22.2-py3.10 40e73f55-783a-5535-b3fa-0c8b94291431 base\ndefault\_r36py38 41c247d3-45f8-5a71-b065-8580229facf0 base\nautoai-ts\_rt22.1-py3.9 4269d26e-07ba-5d40-8f66-2d495b0c71f7 base\nautoai-obm\_3.0 42b92e18-d9ab-567f-988a-4240ba1ed5f7 base\npmml-3.0\_4.3 493bcb95-16f1-5bc5-bee8-81b8af80e9c7 base\nspark-mllib\_2.4-r\_3.6 49403dff-92e9-4c87-a3d7-a42d0021c095 base\nxgboost\_0.90-py3.6 4ff8d6c2-1343-4c18-85e1-689c965304d3 base\npytorch-onnx\_1.1-py3.6 50f95b2a-bc16-43bb-bc94-b0bed208c60b base\nautoai-ts\_3.9-py3.8 52c57136-80fa-572e-8728-a5e7cbb42cde base\nspark-mllib\_2.4-scala\_2.11 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e384fce5-fdd1-53f8-bc71-11326c9c635f base\ndefault\_py3.7 e4429883-c883-42b6-87a8-f419d64088cd base\ndo\_22.1 e51999ba-6452-5f1f-8287-17228b88b652 base\nautoai-obm\_3.2 eae86aab-da30-5229-a6a6-1d0d4e368983 base\ntensorflow\_rt22.2-py3.10 f65bd165-f057-55de-b5cb-f97cf2c0f393 base\ndo\_20.1 f686cdd9-7904-5f9d-a732-01b0d6b10dc5 base\npytorch-onnx\_rt22.2-py3.10-edt f8a05d07-e7cd-57bb-a10b-23f1d4b837ac base\nscikit-learn\_0.19-py3.6 f963fa9d-4bb7-5652-9c5d-8d9289ef6ad9 base\ntensorflow\_2.4-py3.8 fe185c44-9a99-5425-986b-59bd1d2eda46 base\n------------------------------- ------------------------------------ ----\n", "name": "stdout"}]}, {"metadata": {}, "cell\_type": "code", "source": "software\_spec\_uid = client.software\_specifications.get\_uid\_by\_name(\"tensorflow\_rt22.1-py3.9\")\nsoftware\_spec\_uid", "execution\_count": 153, "outputs": [{"output\_type": "execute\_result", "execution\_count": 153, "data": {"text/plain": "'acd9c798-6974-5d2f-a657-ce06e986df4d'"}, "metadata": {}}]}, {"metadata": {}, "cell\_type": "markdown", "source": "# 17.]STORING THE MODEL\_ID FOR DATASET.H5"}, {"metadata": {}, "cell\_type": "code", "source": "#store the model\nmodel\_details = client.repository.store\_model(model='image-Classification-model\_new.tgz',meta\_props={\n client.repository.ModelMetaNames.NAME: \"CNN\",\n client.repository.ModelMetaNames.TYPE: \"keras\_2.2.4\",\n client.repository.ModelMetaNames.SOFTWARE\_SPEC\_UID:software\_spec\_uid\n})\nmodel\_id = client.repository.get\_model\_uid(model\_details)", "execution\_count": 156, "outputs": [{"output\_type": "stream", "text": "Failure during getting trained models details. (GET https://us-south.ml.cloud.ibm.com/ml/v4/trainings/image-Classification-model\_new.tgz?version=2021-06-24&space\_id=26031c6a-3567-437f-9ccb-d8ca0f32a42f)\nStatus code: 404, body: {\"trace\":\"c329ba91cff4ca75927bb9394e755a21\",\"errors\":[{\"code\":\"training\_job\_run\_not\_found\",\"message\":\"Backend persistence error (404): GET request failed\",\"more\_info\":\"http://watson-ml-api.mybluemix.net/\"}],\"status\_code\":\"404\"}\nUnexpected type of 'model parameter', expected: model path / training\_id, actual: 'image-Classification-model\_new.tgz'.\n", "name": "stderr"}, {"output\_type": "error", "ename": "UnexpectedType", "evalue": "Unexpected type of 'model parameter', expected: model path / training\_id, actual: 'image-Classification-model\_new.tgz'.", "traceback": ["\u001b[0;31m---------------------------------------------------------------------------\u001b[0m", "\u001b[0;31mApiRequestFailure\u001b[0m Traceback (most recent call last)", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/models.py\u001b[0m in \u001b[0;36m\_publish\_from\_training\u001b[0;34m(self, model\_uid, meta\_props, subtrainingId, feature\_names, label\_column\_names, round\_number)\u001b[0m\n\u001b[1;32m 529\u001b[0m \u001b[0;32mtry\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 530\u001b[0;31m \u001b[0mdetails\u001b[0m \u001b[0;34m=\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_client\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mtraining\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mget\_details\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0mmodel\_uid\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0m\_internal\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0;32mTrue\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 531\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/training.py\u001b[0m in \u001b[0;36mget\_details\u001b[0;34m(self, training\_uid, limit, asynchronous, get\_all, training\_type, state, tag\_value, training\_definition\_id, \_internal)\u001b[0m\n\u001b[1;32m 165\u001b[0m \u001b[0;32melse\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 166\u001b[0;31m \u001b[0mdetails\u001b[0m \u001b[0;34m=\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_get\_artifact\_details\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0murl\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mtraining\_uid\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mlimit\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0;34m'trained models'\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 167\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/wml\_resource.py\u001b[0m in \u001b[0;36m\_get\_artifact\_details\u001b[0;34m(self, base\_url, uid, limit, resource\_name, summary, pre\_defined, query\_params, \_async, \_all)\u001b[0m\n\u001b[1;32m 225\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 226\u001b[0;31m \u001b[0;32mreturn\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_handle\_response\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0;36m200\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mop\_name\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mresponse\_get\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 227\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/wml\_resource.py\u001b[0m in \u001b[0;36m\_handle\_response\u001b[0;34m(self, expected\_status\_code, operationName, response, json\_response)\u001b[0m\n\u001b[1;32m 72\u001b[0m \u001b[0;32melse\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m---> 73\u001b[0;31m \u001b[0;32mraise\u001b[0m \u001b[0mApiRequestFailure\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0;34mu'Failure during {}.'\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mformat\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0moperationName\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mresponse\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 74\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;31mApiRequestFailure\u001b[0m: Failure during getting trained models details. (GET https://us-south.ml.cloud.ibm.com/ml/v4/trainings/image-Classification-model\_new.tgz?version=2021-06-24&space\_id=26031c6a-3567-437f-9ccb-d8ca0f32a42f)\nStatus code: 404, body: {\"trace\":\"c329ba91cff4ca75927bb9394e755a21\",\"errors\":[{\"code\":\"training\_job\_run\_not\_found\",\"message\":\"Backend persistence error (404): GET request failed\",\"more\_info\":\"http://watson-ml-api.mybluemix.net/\"}],\"status\_code\":\"404\"}", "\nDuring handling of the above exception, another exception occurred:\n", "\u001b[0;31mUnexpectedType\u001b[0m Traceback (most recent call last)", "\u001b[0;32m/tmp/wsuser/ipykernel\_2521/2273796809.py\u001b[0m in \u001b[0;36m<module>\u001b[0;34m\u001b[0m\n\u001b[1;32m 1\u001b[0m \u001b[0;31m#store the model\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m----> 2\u001b[0;31m model\_details = client.repository.store\_model(model='image-Classification-model\_new.tgz',meta\_props={\n\u001b[0m\u001b[1;32m 3\u001b[0m \u001b[0mclient\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mrepository\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mModelMetaNames\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mNAME\u001b[0m\u001b[0;34m:\u001b[0m \u001b[0;34m\"CNN\"\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 4\u001b[0m \u001b[0mclient\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mrepository\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mModelMetaNames\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mTYPE\u001b[0m\u001b[0;34m:\u001b[0m \u001b[0;34m\"keras\_2.2.4\"\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 5\u001b[0m \u001b[0mclient\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mrepository\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mModelMetaNames\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mSOFTWARE\_SPEC\_UID\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0msoftware\_spec\_uid\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/repository.py\u001b[0m in \u001b[0;36mstore\_model\u001b[0;34m(self, model, meta\_props, training\_data, training\_target, pipeline, feature\_names, label\_column\_names, subtrainingId, round\_number, experiment\_metadata)\u001b[0m\n\u001b[1;32m 410\u001b[0m \"\"\"\n\u001b[1;32m 411\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 412\u001b[0;31m \u001b[0;32mreturn\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_client\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_models\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mstore\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0mmodel\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mmeta\_props\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mmeta\_props\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mtraining\_data\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mtraining\_data\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mtraining\_target\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mtraining\_target\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mpipeline\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mpipeline\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mfeature\_names\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mfeature\_names\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mlabel\_column\_names\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mlabel\_column\_names\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0msubtrainingId\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0msubtrainingId\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0mround\_number\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mround\_number\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0mexperiment\_metadata\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mexperiment\_metadata\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 413\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 414\u001b[0m \u001b[0;34m@\u001b[0m\u001b[0mdocstring\_parameter\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0;34m{\u001b[0m\u001b[0;34m'str\_type'\u001b[0m\u001b[0;34m:\u001b[0m \u001b[0mSTR\_TYPE\_NAME\u001b[0m\u001b[0;34m}\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/models.py\u001b[0m in \u001b[0;36mstore\u001b[0;34m(self, model, meta\_props, training\_data, training\_target, pipeline, version, artifactid, feature\_names, label\_column\_names, subtrainingId, round\_number, experiment\_metadata)\u001b[0m\n\u001b[1;32m 1646\u001b[0m label\_column\_names=label\_column\_names)\n\u001b[1;32m 1647\u001b[0m \u001b[0;32melse\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m-> 1648\u001b[0;31m saved\_model = self.\_publish\_from\_training(model\_uid=model, meta\_props=meta\_props,\n\u001b[0m\u001b[1;32m 1649\u001b[0m \u001b[0msubtrainingId\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0msubtrainingId\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mfeature\_names\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mfeature\_names\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 1650\u001b[0m label\_column\_names=label\_column\_names, round\_number=round\_number)\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/models.py\u001b[0m in \u001b[0;36m\_publish\_from\_training\u001b[0;34m(self, model\_uid, meta\_props, subtrainingId, feature\_names, label\_column\_names, round\_number)\u001b[0m\n\u001b[1;32m 531\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 532\u001b[0m \u001b[0;32mexcept\u001b[0m \u001b[0mApiRequestFailure\u001b[0m \u001b[0;32mas\u001b[0m \u001b[0me\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 533\u001b[0;31m \u001b[0;32mraise\u001b[0m \u001b[0mUnexpectedType\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0;34m'model parameter'\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0;34m'model path / training\_id'\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mmodel\_uid\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 534\u001b[0m \u001b[0mmodel\_type\u001b[0m \u001b[0;34m=\u001b[0m \u001b[0;34m\"\"\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 535\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;31mUnexpectedType\u001b[0m: Unexpected type of 'model parameter', expected: model path / training\_id, actual: 'image-Classification-model\_new.tgz'."]}]}, {"metadata": {}, "cell\_type": "code", "source": "model\_details=client.repository.store\_model(model=\"Dataset.tgz\",meta\_props={\nclient.repository.ModelMetaNames.NAME: \"CNN Model Building\",\nclient.repository.ModelMetaNames.TYPE: \"tensorflow\_2.7\",\nclient.repository.ModelMetaNames.SOFTWARE\_SPEC\_UID: software\_spec\_uid\n})", "execution\_count": 150, "outputs": [{"output\_type": "stream", "text": "Failure during getting trained models details. (GET https://us-south.ml.cloud.ibm.com/ml/v4/trainings/Dataset.tgz?version=2021-06-24&space\_id=26031c6a-3567-437f-9ccb-d8ca0f32a42f)\nStatus code: 404, body: {\"trace\":\"dbe1af66b8507aae3a76a6586d1f46cd\",\"errors\":[{\"code\":\"training\_job\_run\_not\_found\",\"message\":\"Backend persistence error (404): GET request failed\",\"more\_info\":\"http://watson-ml-api.mybluemix.net/\"}],\"status\_code\":\"404\"}\nUnexpected type of 'model parameter', expected: model path / training\_id, actual: 'Dataset.tgz'.\n", "name": "stderr"}, {"output\_type": "error", "ename": "UnexpectedType", "evalue": "Unexpected type of 'model parameter', expected: model path / training\_id, actual: 'Dataset.tgz'.", "traceback": ["\u001b[0;31m---------------------------------------------------------------------------\u001b[0m", "\u001b[0;31mApiRequestFailure\u001b[0m Traceback (most recent call last)", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/models.py\u001b[0m in \u001b[0;36m\_publish\_from\_training\u001b[0;34m(self, model\_uid, meta\_props, subtrainingId, feature\_names, label\_column\_names, round\_number)\u001b[0m\n\u001b[1;32m 529\u001b[0m \u001b[0;32mtry\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 530\u001b[0;31m \u001b[0mdetails\u001b[0m \u001b[0;34m=\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_client\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mtraining\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mget\_details\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0mmodel\_uid\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0m\_internal\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0;32mTrue\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 531\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/training.py\u001b[0m in \u001b[0;36mget\_details\u001b[0;34m(self, training\_uid, limit, asynchronous, get\_all, training\_type, state, tag\_value, training\_definition\_id, \_internal)\u001b[0m\n\u001b[1;32m 165\u001b[0m \u001b[0;32melse\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 166\u001b[0;31m \u001b[0mdetails\u001b[0m \u001b[0;34m=\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_get\_artifact\_details\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0murl\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mtraining\_uid\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mlimit\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0;34m'trained models'\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 167\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/wml\_resource.py\u001b[0m in \u001b[0;36m\_get\_artifact\_details\u001b[0;34m(self, base\_url, uid, limit, resource\_name, summary, pre\_defined, query\_params, \_async, \_all)\u001b[0m\n\u001b[1;32m 225\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 226\u001b[0;31m \u001b[0;32mreturn\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_handle\_response\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0;36m200\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mop\_name\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mresponse\_get\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 227\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/wml\_resource.py\u001b[0m in \u001b[0;36m\_handle\_response\u001b[0;34m(self, expected\_status\_code, operationName, response, json\_response)\u001b[0m\n\u001b[1;32m 72\u001b[0m \u001b[0;32melse\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m---> 73\u001b[0;31m \u001b[0;32mraise\u001b[0m \u001b[0mApiRequestFailure\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0;34mu'Failure during {}.'\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mformat\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0moperationName\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mresponse\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 74\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;31mApiRequestFailure\u001b[0m: Failure during getting trained models details. (GET https://us-south.ml.cloud.ibm.com/ml/v4/trainings/Dataset.tgz?version=2021-06-24&space\_id=26031c6a-3567-437f-9ccb-d8ca0f32a42f)\nStatus code: 404, body: {\"trace\":\"dbe1af66b8507aae3a76a6586d1f46cd\",\"errors\":[{\"code\":\"training\_job\_run\_not\_found\",\"message\":\"Backend persistence error (404): GET request failed\",\"more\_info\":\"http://watson-ml-api.mybluemix.net/\"}],\"status\_code\":\"404\"}", "\nDuring handling of the above exception, another exception occurred:\n", "\u001b[0;31mUnexpectedType\u001b[0m Traceback (most recent call last)", "\u001b[0;32m/tmp/wsuser/ipykernel\_2521/3184001983.py\u001b[0m in \u001b[0;36m<module>\u001b[0;34m\u001b[0m\n\u001b[0;32m----> 1\u001b[0;31m model\_details=client.repository.store\_model(model=\"Dataset.tgz\",meta\_props={\n\u001b[0m\u001b[1;32m 2\u001b[0m \u001b[0mclient\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mrepository\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mModelMetaNames\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mNAME\u001b[0m\u001b[0;34m:\u001b[0m \u001b[0;34m\"CNN Model Building\"\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 3\u001b[0m \u001b[0mclient\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mrepository\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mModelMetaNames\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mTYPE\u001b[0m\u001b[0;34m:\u001b[0m \u001b[0;34m\"tensorflow\_2.7\"\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 4\u001b[0m \u001b[0mclient\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mrepository\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mModelMetaNames\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mSOFTWARE\_SPEC\_UID\u001b[0m\u001b[0;34m:\u001b[0m \u001b[0msoftware\_spec\_uid\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 5\u001b[0m })\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/repository.py\u001b[0m in \u001b[0;36mstore\_model\u001b[0;34m(self, model, meta\_props, training\_data, training\_target, pipeline, feature\_names, label\_column\_names, subtrainingId, round\_number, experiment\_metadata)\u001b[0m\n\u001b[1;32m 410\u001b[0m \"\"\"\n\u001b[1;32m 411\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 412\u001b[0;31m \u001b[0;32mreturn\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_client\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_models\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mstore\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0mmodel\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mmeta\_props\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mmeta\_props\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mtraining\_data\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mtraining\_data\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mtraining\_target\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mtraining\_target\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mpipeline\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mpipeline\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mfeature\_names\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mfeature\_names\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mlabel\_column\_names\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mlabel\_column\_names\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0msubtrainingId\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0msubtrainingId\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0mround\_number\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mround\_number\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0mexperiment\_metadata\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mexperiment\_metadata\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 413\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 414\u001b[0m \u001b[0;34m@\u001b[0m\u001b[0mdocstring\_parameter\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0;34m{\u001b[0m\u001b[0;34m'str\_type'\u001b[0m\u001b[0;34m:\u001b[0m \u001b[0mSTR\_TYPE\_NAME\u001b[0m\u001b[0;34m}\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/models.py\u001b[0m in \u001b[0;36mstore\u001b[0;34m(self, model, meta\_props, training\_data, training\_target, pipeline, version, artifactid, feature\_names, label\_column\_names, subtrainingId, round\_number, experiment\_metadata)\u001b[0m\n\u001b[1;32m 1646\u001b[0m label\_column\_names=label\_column\_names)\n\u001b[1;32m 1647\u001b[0m \u001b[0;32melse\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m-> 1648\u001b[0;31m saved\_model = self.\_publish\_from\_training(model\_uid=model, meta\_props=meta\_props,\n\u001b[0m\u001b[1;32m 1649\u001b[0m \u001b[0msubtrainingId\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0msubtrainingId\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mfeature\_names\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0mfeature\_names\u001b[0m\u001b[0;34m,\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 1650\u001b[0m label\_column\_names=label\_column\_names, round\_number=round\_number)\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/models.py\u001b[0m in \u001b[0;36m\_publish\_from\_training\u001b[0;34m(self, model\_uid, meta\_props, subtrainingId, feature\_names, label\_column\_names, round\_number)\u001b[0m\n\u001b[1;32m 531\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n\u001b[1;32m 532\u001b[0m \u001b[0;32mexcept\u001b[0m \u001b[0mApiRequestFailure\u001b[0m \u001b[0;32mas\u001b[0m \u001b[0me\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 533\u001b[0;31m \u001b[0;32mraise\u001b[0m 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It includes your credentials.\n# You might want to remove those credentials before you share the notebook.\ncos\_client = ibm\_boto3.client(service\_name='s3',\n ibm\_api\_key\_id='IMzFuAWRpYPnwh2XocJvGqTbHiPAMNnnEcIBBt8bQRGq',\n ibm\_auth\_endpoint=\"https://iam.cloud.ibm.com/oidc/token\",\n config=Config(signature\_version='oauth'),\n endpoint\_url='https://s3.private.us.cloud-object-storage.appdomain.cloud')\n\nbucket = 'realtimecommunication-donotdelete-pr-fx3wrumk8qzbvv'\nobject\_key = '11.png'\n\nstreaming\_body\_8 = cos\_client.get\_object(Bucket=bucket, Key=object\_key)['Body']\n\n# Your data file was loaded into a botocore.response.StreamingBody object.\n# Please read the documentation of ibm\_boto3 and pandas to learn more about the possibilities to load the data.\n# ibm\_boto3 documentation: https://ibm.github.io/ibm-cos-sdk-python/\n# pandas documentation: http://pandas.pydata.org/\n", "execution\_count": 32, "outputs": []}, {"metadata": {}, "cell\_type": "code", "source": 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(GET https://us-south.ml.cloud.ibm.com/ml/v4/trainings/Dataset.tgz?version=2021-06-24&space\_id=26031c6a-3567-437f-9ccb-d8ca0f32a42f)\nStatus code: 404, body: {\"trace\":\"59f85f3a2881e7de9633e136d99ea9df\",\"errors\":[{\"code\":\"training\_job\_run\_not\_found\",\"message\":\"Backend persistence error (404): GET request failed\",\"more\_info\":\"http://watson-ml-api.mybluemix.net/\"}],\"status\_code\":\"404\"}\nUnexpected type of 'model parameter', expected: model path / training\_id, actual: 'Dataset.tgz'.\n", "name": "stderr"}, {"output\_type": "error", "ename": "UnexpectedType", "evalue": "Unexpected type of 'model parameter', expected: model path / training\_id, actual: 'Dataset.tgz'.", "traceback": ["\u001b[0;31m---------------------------------------------------------------------------\u001b[0m", "\u001b[0;31mApiRequestFailure\u001b[0m Traceback (most recent call last)", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/models.py\u001b[0m in \u001b[0;36m\_publish\_from\_training\u001b[0;34m(self, model\_uid, meta\_props, subtrainingId, feature\_names, label\_column\_names, round\_number)\u001b[0m\n\u001b[1;32m 529\u001b[0m \u001b[0;32mtry\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 530\u001b[0;31m \u001b[0mdetails\u001b[0m \u001b[0;34m=\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_client\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mtraining\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mget\_details\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0mmodel\_uid\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0m\_internal\u001b[0m\u001b[0;34m=\u001b[0m\u001b[0;32mTrue\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 531\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/training.py\u001b[0m in \u001b[0;36mget\_details\u001b[0;34m(self, training\_uid, limit, asynchronous, get\_all, training\_type, state, tag\_value, training\_definition\_id, \_internal)\u001b[0m\n\u001b[1;32m 165\u001b[0m \u001b[0;32melse\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 166\u001b[0;31m \u001b[0mdetails\u001b[0m \u001b[0;34m=\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_get\_artifact\_details\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0murl\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mtraining\_uid\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mlimit\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0;34m'trained models'\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 167\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/wml\_resource.py\u001b[0m in \u001b[0;36m\_get\_artifact\_details\u001b[0;34m(self, base\_url, uid, limit, resource\_name, summary, pre\_defined, query\_params, \_async, \_all)\u001b[0m\n\u001b[1;32m 225\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m--> 226\u001b[0;31m \u001b[0;32mreturn\u001b[0m \u001b[0mself\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0m\_handle\_response\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0;36m200\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mop\_name\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mresponse\_get\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 227\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;32m/opt/conda/envs/Python-3.9/lib/python3.9/site-packages/ibm\_watson\_machine\_learning/wml\_resource.py\u001b[0m in \u001b[0;36m\_handle\_response\u001b[0;34m(self, expected\_status\_code, operationName, response, json\_response)\u001b[0m\n\u001b[1;32m 72\u001b[0m \u001b[0;32melse\u001b[0m\u001b[0;34m:\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0;32m---> 73\u001b[0;31m \u001b[0;32mraise\u001b[0m \u001b[0mApiRequestFailure\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0;34mu'Failure during {}.'\u001b[0m\u001b[0;34m.\u001b[0m\u001b[0mformat\u001b[0m\u001b[0;34m(\u001b[0m\u001b[0moperationName\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m,\u001b[0m \u001b[0mresponse\u001b[0m\u001b[0;34m)\u001b[0m\u001b[0;34m\u001b[0m\u001b[0;34m\u001b[0m\u001b[0m\n\u001b[0m\u001b[1;32m 74\u001b[0m \u001b[0;34m\u001b[0m\u001b[0m\n", "\u001b[0;31mApiRequestFailure\u001b[0m: Failure during getting trained models details. (GET https://us-south.ml.cloud.ibm.com/ml/v4/trainings/Dataset.tgz?version=2021-06-24&space\_id=26031c6a-3567-437f-9ccb-d8ca0f32a42f)\nStatus code: 404, body: {\"trace\":\"59f85f3a2881e7de9633e136d99ea9df\",\"errors\":[{\"code\":\"training\_job\_run\_not\_found\",\"message\":\"Backend persistence error (404): GET request failed\",\"more\_info\":\"http://watson-ml-api.mybluemix.net/\"}],\"status\_code\":\"404\"}", "\nDuring handling of the above exception, another exception occurred:\n", "\u001b[0;31mUnexpectedType\u001b[0m Traceback (most recent call last)", "\u001b[0;32m/tmp/wsuser/ipykernel\_2521/1614237978.py\u001b[0m in \u001b[0;36m<module>\u001b[0;34m\u001b[0m\n\u001b[0;32m----> 1\u001b[0;31m model\_details=client.repository.store\_model(model='Dataset.tgz',meta\_props={\n\u001b[0m\u001b[1;32m 2\u001b[0m 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