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        "Requirement already satisfied: certifi in /usr/local/lib/python3.7/dist-packages (from watson-machine-learning-client) (2022.9.24)\n",
```

42

43

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45

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47

48

49

50

51

52

53

54

55

" Downloading s3transfer-0.6.0-py3-none-any.whl (79 kB)\n",

56

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57

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60

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62

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63

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64

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66

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67

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68

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```
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```

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81

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82

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83

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84

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88

" Stored in directory: /root/.cache/pip/wheels/57/79/6a/ffe3370ed7ebc00604f9f76766e1e0348dcdcad2b2e32df9e1\n",
89

"Successfully built ibm-cos-sdk ibm-cos-sdk-core ibm-cos-sdk-s3transfer\n",
90

"Installing collected packages: urllib3, requests, jmespath, ibm-cos-sdk-core, botocore, s3transfer, ibm-cos-sdk-s3transfer,
lomond, ibm-cos-sdk, boto3, watson-machine-learning-client\n",
91

" Attempting uninstall: urllib3\n",
92

" Found existing installation: urllib3 1.24.3\n",
93

" Uninstalling urllib3-1.24.3:\n",

	94
" Successfully uninstalled urllib3-1.24.3\n",	
	95
" Attempting uninstall: requests\n",	
	96
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	97
" Uninstalling requests-2.23.0:\n",	
	98
" Successfully uninstalled requests-2.23.0\n",	
	99
"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 s3transfer-0.6.0 urllib3-1.26.12 watson-machine-learning-client-1.0.391\n"	
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]	
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},	
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    111

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        "Requirement already satisfied: packaging in /usr/local/lib/python3.7/dist-packages (from ibm_watson_machine_learning)\n(21.3)\n"
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"Requirement already satisfied: requests in /usr/local/lib/python3.7/dist-packages (from ibm_watson_machine_learning
(2.28.1)\n",
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"Collecting ibm-cos-sdk==2.7.*\n",
```

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" Downloading ibm-cos-sdk-2.7.0.tar.gz (51 kB)\n",
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```
"\u001b[K | ██████████ | 51 kB 562 kB/s \n",
```

```
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```

```
" Downloading ibm-cos-sdk-core-2.7.0.tar.gz (824 kB)\n"
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```
"\u001b[K | 824 kB 47.4 MB/s \n",
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```
"\u001b[K | 133 kB 72.5 MB/s \n",
```

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147

"Collecting docutils<0.16,>=0.10\n",

148

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149

" | 547 kB 72.5 MB/s \n",

150

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151

"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)\n",

152

"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)\n",

153

"Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-packages (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)\n",

154

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155

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156

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157

"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)\n",

158

"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)\n",

159

"Building wheels for collected packages: ibm-cos-sdk, ibm-cos-sdk-core, ibm-cos-sdk-s3transfer\n",

160

" Building wheel for ibm-cos-sdk (setup.py) ... \u001b[?25l\u001b[?25hdone\n",

161

" Created wheel for ibm-cos-sdk: filename=ibm_cos_sdk-2.7.0-py2.py3-none-any.whl size=72563
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162

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163

" Building wheel for ibm-cos-sdk-core (setup.py) ... \u001b[?25l\u001b[?25hdone\n",

164

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sha256=ab7a7e33ae17a0db11e44a904b9ab2a8d088491f1149868eb4d1e7ba0f4a32de\n",

165

" Stored in directory: /root/.cache/pip/wheels/6c/a2/e4/c16d02f809a3ea998e17cfd02c13369281f3d232aaf5902c19\n",

166

" Building wheel for ibm-cos-sdk-s3transfer (setup.py) ... \u001b[?25l\u001b[?25hdone\n",

167

" Created wheel for ibm-cos-sdk-s3transfer: filename=ibm_cos_sdk_s3transfer-2.7.0-py2.py3-none-any.whl size=88622
sha256=e6e47f580ebf120cd0d496be94e8c6c5d4576a34da3be86eb6dfe2c2ec51634d\n",

168

" Stored in directory: /root/.cache/pip/wheels/5f/b7/14/fbe02bc1ef1af890650c7e51743d1c83890852e598d164b9da\n",

169

"Successfully built ibm-cos-sdk ibm-cos-sdk-core ibm-cos-sdk-s3transfer\n",

	170
"Installing collected packages: docutils, ibm-cos-sdk-core, ibm-cos-sdk-s3transfer, ibm-cos-sdk, ibm-watson-machine-learning\n",	
	171
" Attempting uninstall: docutils\n",	
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" Found existing installation: docutils 0.17.1\n",	
	173
" Uninstalling docutils-0.17.1:\n",	
	174
" Successfully uninstalled docutils-0.17.1\n",	
	175
" Attempting uninstall: ibm-cos-sdk-core\n",	
	176
" Found existing installation: ibm-cos-sdk-core 2.12.0\n",	
	177
" Uninstalling ibm-cos-sdk-core-2.12.0:\n",	
	178
" Successfully uninstalled ibm-cos-sdk-core-2.12.0\n",	
	179
" Attempting uninstall: ibm-cos-sdk-s3transfer\n",	
	180
" Found existing installation: ibm-cos-sdk-s3transfer 2.12.0\n",	
	181
" Uninstalling ibm-cos-sdk-s3transfer-2.12.0:\n",	
	182
" Successfully uninstalled ibm-cos-sdk-s3transfer-2.12.0\n",	
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" Attempting uninstall: ibm-cos-sdk\n",  
  
" Found existing installation: ibm-cos-sdk 2.12.0\n",  
  
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"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\n"  
  
]  
  
}  
  
]  
  
},  
  
{  
  
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"#Connecting to IBM Cloud from Notebook\n",  
  
"from ibm_watson_machine_learning import APIClient\n",
```

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197
"credentials = {\n",
198
" 'url': 'https://eu-gb.ml.cloud.ibm.com', \n",
199
" 'apikey': \"IPJI2muoiEQuiCN8SIAVWhibUleKXXfaBLhsV1BqG13F\" \n",
200
"}\n",
201
"Client = APIClient(credentials)"
202
203
],
204
"metadata": {
205
"colab": {
206
"base_uri": "https://localhost:8080/"
207
},
208
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209
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210
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{
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215
"text": [
216
"Python 3.7 and 3.8 frameworks are deprecated and will be removed in a future release. Use Python 3.9 framework instead.\n"
217
]
218
}
219
]
220
},
221
{
222
"cell_type": "code",
223
"source": [
224
"Client"
```

```
225
},
226
"metadata": {
227
"colab": {
228
"base_uri": "https://localhost:8080/"
229
},
230
"id": "bsnhmFULdqOR",
231
"outputId": "7d9e0789-ff58-41b0-c3d2-54ac4a5324c0"
232
},
233
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234
"outputs": [
235
{
236
"output_type": "execute_result",
237
"data": {
238
"text/plain": [
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	239
"<ibm_watson_machine_learning.client.APIClient at 0x7f98149ba850>"	
	240
]	
	241
},	
	242
"metadata": {},	
	243
"execution_count": 4	
	244
}	
	245
]	
	246
},	
	247
{	
	248
"cell_type": "code",	
	249
"source": [
	250
"Client.spaces.get_details()"	
	251
],	
	252
"metadata": {	

```
"colab": {
```

```
"base_uri": "https://localhost:8080/"
```

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},
```

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```

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},
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"execution_count": 5,
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"outputs": [
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"output_type": "execute_result",
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"data": {
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"text/plain": [
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"{'resources': [{'entity': {'compute': [{'crn': 'crn:v1:bluemix:public:pm-20:eu-  
gb:a/942b74057f4f4693a5063e53a1998c0a:fd4c34ac-8fb8-4091-803e-702fd69e7268::',\n"
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" 'guid': 'fd4c34ac-8fb8-4091-803e-702fd69e7268',\n",	267
" 'name': 'Watson Machine Learning-np',\n",	268
" 'type': 'machine_learning']},\n",	269
" 'description': '',\n",	270
" 'name': 'FFD_DEPLOYMENT',\n",	271
" 'scope': {'bss_account_id': '942b74057f4f4693a5063e53a1998c0a'},\n",	272
" 'stage': {'production': False},\n",	273
" 'status': {'state': 'active'},\n",	274
" 'storage': {'properties': {'bucket_name': '40eacea5-8669-4880-9cfa-020f7b937fd4'},\n",	275
" 'bucket_region': 'eu-gb-standard',\n",	276
" 'credentials': {'admin': {'access_key_id': '58823ca22e35459f9ed23e5b64c52395'},\n",	277
" 'api_key': 'sVpdNRV_kFC_io-UFrygUfCvKG73HUFzg6klpZTdATir',\n",	278
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" 'editor': {'access_key_id': '11c6512f22854163bdaeeaad7c6e634f'},\n",
281
" 'api_key': 'GEk5XKTAgl4ksFK3rCYNODOoOrITNeeZ9PAgU_hnADMc0'},\n",
282
" 'resource_key_crn': 'crn:v1:bluemix:public:cloud-object-storage:global:a/942b74057f4f4693a5063e53a1998c0a:b78a8b79-a65e-42a3-ac79-d321809c7229::',\n",
283
" 'secret_access_key': 'c2da1f5c3c59a1dd9281f5f70452054b9ee9ed51ada007a9'},\n",
284
" 'service_id': 'ServiceId-c50c41ba-8112-4602-bd81-898d2c342031'}},\n",
285
" 'viewer': {'access_key_id': 'ffc7eb706a6a41b886114b0a6a379f9b'},\n",
286
" 'api_key': '7TwTkdvDMxsOLwSrclwGYq-hVjQPQisRmfb32p46tykQ'},\n",
287
" 'resource_key_crn': 'crn:v1:bluemix:public:cloud-object-storage:global:a/942b74057f4f4693a5063e53a1998c0a:b78a8b79-a65e-42a3-ac79-d321809c7229::',\n",
288
" 'secret_access_key': '6c0bccf003e873a5537a320adef6e931cfadc716784354af'},\n",
289
" 'service_id': 'ServiceId-bde18ae1-9a35-4d2a-aeee-874fcb6c31d1'}}},\n",
290
" 'endpoint_url': '<https://s3.eu-gb.cloud-object-storage.appdomain.cloud>',\n",
291
" 'guid': 'b78a8b79-a65e-42a3-ac79-d321809c7229'},\n",
292
" 'resource_crn': 'crn:v1:bluemix:public:cloud-object-storage:global:a/942b74057f4f4693a5063e53a1998c0a:b78a8b79-a65e-42a3-ac79-d321809c7229::'},\n",
293

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" 'type': 'bmcobject_storage'}},\n",
```

294

```
" 'metadata': {'created_at': '2022-11-11T20:38:20.212Z'},\n",
```

295

```
" 'creator_id': 'IBMid-66100457F5',\n",
```

296

```
" 'id': '54f66e28-7d03-4808-8e64-b0c3b4826004',\n",
```

297

```
" 'updated_at': '2022-11-11T20:38:37.758Z',\n",
```

298

```
" 'url': '/v2/spaces/54f66e28-7d03-4808-8e64-b0c3b4826004'}}}]"
```

299

```
]
```

300

```
},
```

301

```
"metadata": {},
```

302

```
"execution_count": 5
```

303

```
}
```

304

```
]
```

305

```
},
```

306

```
{
```

307

```
"cell_type": "code",
308

"source": [
309

"Client.spaces.list()"
310

],
311

"metadata": {
312

"colab": {
313

"base_uri": "https://localhost:8080/"
314

},
315

"id": "0g-rJBfKdvGU",
316

"outputId": "a4c60f8d-6e58-49c2-813d-7b28ef346d8d"
317

},
318

"execution_count": 6,
319

"outputs": [
320

{
321
```



```
"output_type": "stream",
322

"name": "stdout",
323

"text": [
324

    "Note: 'limit' is not provided. Only first 50 records will be displayed if the number of records exceed 50\n",
325

    "-----\n",
326

    "ID NAME CREATED\n",
327

    "54f66e28-7d03-4808-8e64-b0c3b4826004 FFD_DEPLOYMENT 2022-11-11T20:38:20.212Z\n",
328

    "-----\n"
329

]
330

}
331

]
332

},
333

{
334

    "cell_type": "code",
335
```

```
"source": [  
  
"space_uid = '54f66e28-7d03-4808-8e64-b0c3b4826004' #Space User ID\n",  
  
"space_uid"  
  
],  
  
"metadata": {  
  
"colab": {  
  
"base_uri": "https://localhost:8080/",  
  
"height": 36  
  
},  
  
"id": "RyG9obB6dzZI",  
  
"outputId": "8a6155c8-b584-4ada-c2f1-d7747afd4b18"  
  
},  
  
"execution_count": 7,  
  
"outputs": [  
  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349
```

```
{
    "output_type": "execute_result",
    "data": {
        "text/plain": [
            "'54f66e28-7d03-4808-8e64-b0c3b4826004'"
        ],
        "application/vnd.google.colaboratory.intrinsic+json": {
            "type": "string"
        }
    },
    "metadata": {},
    "execution_count": 7
}
```

350

351

352

353

354

355

356

357

358

359

360

361

362

363

```
},
364

{
365

"cell_type": "code",
366

"source": [
367

"#Setting created deployment space as default\n",
368

"Client.set.default_space(space_uid)"
369

],
370

"metadata": {
371

"colab": {
372

"base_uri": "https://localhost:8080/",
373

"height": 36
374

},
375

"id": "POnJldvNd9aV",
376

"outputId": "6a35dcc3-0279-4738-9632-e12142df9ba2"
377
```

```
},
378

"execution_count": 8,
379

"outputs": [
380

{
381

"output_type": "execute_result",
382

"data": {
383

"text/plain": [
384

"\"SUCCESS\""
385

],
386

"application/vnd.google.colaboratory.intrinsic+json": {
387

"type": "string"
388

}
389

},
390

"metadata": {},
391
```

```
"execution_count": 8
392
}
393
]
394
},
395
{
396
"cell_type": "code",
397
"source": [
398
"#Seeing tensorflow asset_id\n",
399
"Client.software_specifications.list()"
400
],
401
"metadata": {
402
"colab": {
403
"base_uri": "https://localhost:8080/"
404
},
405
```

"id": "6MHtBaB0eBF8",	406
"outputId": "0a95db79-4fe3-4e58-80ed-c33b74e71934"	407
},	408
"execution_count": 9,	409
"outputs": [410
{	411
"output_type": "stream",	412
"name": "stdout",	413
"text": [414
"-----\n",	415
"NAME ASSET_ID TYPE\n",	416
"default_py3.6 0062b8c9-8b7d-44a0-a9b9-46c416adcbd9 base\n",	417
"kernel-spark3.2-scala2.12 020d69ce-7ac1-5e68-ac1a-31189867356a base\n",	418
"pytorch-onnx_1.3-py3.7-edt 069ea134-3346-5748-b513-49120e15d288 base\n",	419

"scikit-learn_0.20-py3.6 09c5a1d0-9c1e-4473-a344-eb7b665ff687 base\n",	420
"spark-mllib_3.0-scala_2.12 09f4cff0-90a7-5899-b9ed-1ef348aebdee base\n",	421
"pytorch-onnx_rt22.1-py3.9 0b848dd4-e681-5599-be41-b5f6fccc6471 base\n",	422
"ai-function_0.1-py3.6 0cdb0f1e-5376-4f4d-92dd-da3b69aa9bda base\n",	423
"shiny-r3.6 0e6e79df-875e-4f24-8ae9-62dcc2148306 base\n",	424
"tensorflow_2.4-py3.7-horovod 1092590a-307d-563d-9b62-4eb7d64b3f22 base\n",	425
"pytorch_1.1-py3.6 10ac12d6-6b30-4ccd-8392-3e922c096a92 base\n",	426
"tensorflow_1.15-py3.6-ddl 111e41b3-de2d-5422-a4d6-bf776828c4b7 base\n",	427
"autoai-kb_rt22.2-py3.10 125b6d9a-5b1f-5e8d-972a-b251688ccf40 base\n",	428
"runtime-22.1-py3.9 12b83a17-24d8-5082-900f-0ab31fbfd3cb base\n",	429
"scikit-learn_0.22-py3.6 154010fa-5b3b-4ac1-82af-4d5ee5abbc85 base\n",	430
"default_r3.6 1b70aec3-ab34-4b87-8aa0-a4a3c8296a36 base\n",	431
"pytorch-onnx_1.3-py3.6 1bc6029a-cc97-56da-b8e0-39c3880dbbe7 base\n",	432
"kernel-spark3.3-r3.6 1c9e5454-f216-59dd-a20e-474a5cdf5988 base\n",	433

"pytorch-onnx_rt22.1-py3.9-edt 1d362186-7ad5-5b59-8b6c-9d0880bde37f base\n",	434
"tensorflow_2.1-py3.6 1eb25b84-d6ed-5dde-b6a5-3fbdf1665666 base\n",	435
"spark-mllib_3.2 20047f72-0a98-58c7-9ff5-a77b012eb8f5 base\n",	436
"tensorflow_2.4-py3.8-horovod 217c16f6-178f-56bf-824a-b19f20564c49 base\n",	437
"runtime-22.1-py3.9-cuda 26215f05-08c3-5a41-a1b0-da66306ce658 base\n",	438
"do_py3.8 295addb5-9ef9-547e-9bf4-92ae3563e720 base\n",	439
"autoai-ts_3.8-py3.8 2aa0c932-798f-5ae9-abd6-15e0c2402fb5 base\n",	440
"tensorflow_1.15-py3.6 2b73a275-7cbf-420b-a912-eae7f436e0bc base\n",	441
"kernel-spark3.3-py3.9 2b7961e2-e3b1-5a8c-a491-482c8368839a base\n",	442
"pytorch_1.2-py3.6 2c8ef57d-2687-4b7d-acce-01f94976dac1 base\n",	443
"spark-mllib_2.3 2e51f700-bca0-4b0d-88dc-5c6791338875 base\n",	444
"pytorch-onnx_1.1-py3.6-edt 32983cea-3f32-4400-8965-dde874a8d67e base\n",	445
"spark-mllib_3.0-py37 36507ebe-8770-55ba-ab2a-eafe787600e9 base\n",	446
"spark-mllib_2.4 390d21f8-e58b-4fac-9c55-d7ceda621326 base\n",	447

"autoai-ts_rt22.2-py3.10 396b2e83-0953-5b86-9a55-7ce1628a406f base\n",	448
"xgboost_0.82-py3.6 39e31acd-5f30-41dc-ae44-60233c80306e base\n",	449
"pytorch-onnx_1.2-py3.6-edt 40589d0e-7019-4e28-8daa-fb03b6f4fe12 base\n",	450
"pytorch-onnx_rt22.2-py3.10 40e73f55-783a-5535-b3fa-0c8b94291431 base\n",	451
"default_r36py38 41c247d3-45f8-5a71-b065-8580229facf0 base\n",	452
"autoai-ts_rt22.1-py3.9 4269d26e-07ba-5d40-8f66-2d495b0c71f7 base\n",	453
"autoai-obm_3.0 42b92e18-d9ab-567f-988a-4240ba1ed5f7 base\n",	454
"pmml-3.0_4.3 493bcb95-16f1-5bc5-bee8-81b8af80e9c7 base\n",	455
"spark-mllib_2.4-r_3.6 49403dff-92e9-4c87-a3d7-a42d0021c095 base\n",	456
"xgboost_0.90-py3.6 4ff8d6c2-1343-4c18-85e1-689c965304d3 base\n",	457
"pytorch-onnx_1.1-py3.6 50f95b2a-bc16-43bb-bc94-b0bed208c60b base\n",	458
"autoai-ts_3.9-py3.8 52c57136-80fa-572e-8728-a5e7cbb42cde base\n",	459
"spark-mllib_2.4-scala_2.11 55a70f99-7320-4be5-9fb9-9edb5a443af5 base\n",	460
"spark-mllib_3.0 5c1b0ca2-4977-5c2e-9439-ffd44ea8ffe9 base\n",	461

```
"autoai-obm_2.0 5c2e37fa-80b8-5e77-840f-d912469614ee base\n",  
  
"spss-modeler_18.1 5c3cad7e-507f-4b2a-a9a3-ab53a21dee8b base\n",  
  
"cuda-py3.8 5d3232bf-c86b-5df4-a2cd-7bb870a1cd4e base\n",  
  
"autoai-kb_3.1-py3.7 632d4b22-10aa-5180-88f0-f52dfb6444d7 base\n",  
  
"pytorch-onnx_1.7-py3.8 634d3cdc-b562-5bf9-a2d4-ea90a478456b base\n",  
  
"-----\n",  
  
"Note: Only first 50 records were displayed. To display more use 'limit' parameter.\n"  
  
]  
  
}  
  
]  
  
},  
  
{  
  
"cell_type": "code",  
  
"source": [  
  
]
```

```
"software_space_uid = Client.software_specifications.get_uid_by_name('tensorflow_rt22.1-py3.9')\n",\n\n"software_space_uid"\n\n],\n\n"metadata": {\n\n"colab": {\n\n"base_uri": "https://localhost:8080/",\n\n"height": 36\n\n},\n\n"id": "bMOPcpvVeDdG",\n\n"outputId": "331b9aed-0d7c-48c6-b1f4-2a019ec929c4"\n\n},\n\n"execution_count": 10,\n\n"outputs": [\n\n{\n
```

"output_type": "execute_result",	490
"data": {	491
"text/plain": [492
""acd9c798-6974-5d2f-a657-ce06e986df4d""	493
],	494
"application/vnd.google.colaboratory.intrinsic+json": {	495
"type": "string"	496
}	497
},	498
"metadata": {},	499
"execution_count": 10	500
}	501
]	502
},	503

```
{
    "cell_type": "code",
    "source": [
        "model_details = Client.repository.store_model(model=\"/content/forest_fire_detection.tgz\",meta_props={\n",
        " Client.repository.ModelMetaNames.NAME: \"CNN Model for Forest fire detection\", \n",
        " Client.repository.ModelMetaNames.TYPE: \"tensorflow_2.7\", \n",
        " Client.repository.ModelMetaNames.SOFTWARE_SPEC_UID: software_space_uid\n",
        "})"
    ],
    "metadata": {
        "id": "8f2LcaibeGDo"
    },
    "execution_count": 14,
    "outputs": []
}
```

504

505

506

507

508

509

510

511

512

513

514

515

516

517

```
},
518

{
519

"cell_type": "code",
520

"source": [
521

"model_details"
522

],
523

"metadata": {
524

"colab": {
525

"base_uri": "https://localhost:8080/"
526

},
527

"id": "pp7M2S9CeWIE",
528

"outputId": "0c064ee1-9100-4781-b764-7676d8dc6e53"
529

},
530

"execution_count": 15,
531
```

```
"outputs": [  
  
  {  
  
    "output_type": "execute_result",  
  
    "data": {  
  
      "text/plain": [  
  
        '{\"entity\": {\"hybrid_pipeline_software_specs\": [],\\n\",  
  
        \" \"software_spec\": {\"id\": 'acd9c798-6974-5d2f-a657-ce06e986df4d',\\n\",  
  
        \" \"name\": 'tensorflow_rt22.1-py3.9'},\\n\",  
  
        \" \"type\": 'tensorflow_2.7'},\\n\",  
  
        \" \"metadata\": {\"created_at\": '2022-11-11T21:05:25.592Z',\\n\",  
  
        \" \"id\": '5b00deac-d7d6-42fb-86d5-85db521f4895',\\n\",  
  
        \" \"modified_at\": '2022-11-11T21:05:27.865Z',\\n\",  
  
        \" \"name\": 'CNN Model for Forest fire detection',\\n\",  
  
        \" \"owner\": 'IBMid-66100457F5',\\n\",  
  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545
```



```
" 'resource_key': '502f7e12-df84-4de4-bad4-187fca47b231',\n",
```

546

```
" 'space_id': '54f66e28-7d03-4808-8e64-b0c3b4826004'},\n",
```

547

```
" 'system': {'warnings': []}}"
```

548

```
]
```

549

```
},
```

550

```
"metadata": {},
```

551

```
"execution_count": 15
```

552

```
}
```

553

```
]
```

554

```
},
```

555

```
{
```

556

```
"cell_type": "code",
```

557

```
"source": [
```

558

```
"model_id = Client.repository.get_model_uid(model_details)\n",
```

559

"model_id"	560
],	561
"metadata": {	562
"colab": {	563
"base_uri": " https://localhost:8080/ ",	564
"height": 108	565
},	566
"id": "_sna4GaVgsHs",	567
"outputId": "017ace17-0d23-4822-fe0b-054a361aff48"	568
},	569
"execution_count": 16,	570
"outputs": [571
{	572
"output_type": "stream",	573

```
"name": "stdout",  
  
"text": [  
  
    "This method is deprecated, please use get_model_id()\n"  
  
    ]  
  
    },  
  
    {  
  
        "output_type": "stream",  
  
        "name": "stderr",  
  
        "text": [  
  
            "/usr/local/lib/python3.7/dist-packages/ibm_watson_machine_learning/repository.py:1453: UserWarning: This method is  
            deprecated, please use get_model_id()\n",  
  
            " warn(\n\"This method is deprecated, please use get_model_id()\n\")\n"  
  
            ]  
  
            },  
  
            {
```

```
587
"output_type": "execute_result",
588
"data": {
589
"text/plain": [
590
591
592
593
594
595
596
597
598
599
600
},
```

```
601
{
602
    "cell_type": "code",
603
    "source": [
604
        "#Downloading the model from IBM Cloud\n",
605
        "Client.repository.download(model_id,'ffd_model.tgz')",
606
        ],
607
        "metadata": {
608
            "colab": {
609
                "base_uri": "https://localhost:8080/",
610
                "height": 53
611
            },
612
            "id": "IG5PdKS5gvH_",
613
            "outputId": "3e36ff90-fce5-4052-c89e-15446ad560a3"
614
        },
    ],
}
```


	629
],	
	630
"application/vnd.google.colaboratory.intrinsic+json": {	
	631
"type": "string"	
	632
}	
	633
},	
	634
"metadata": {},	
	635
"execution_count": 17	
	636
}	
	637
]	
	638
}	
	639
]	
	640
}	