

Team ID	PNT2022TMID36001
Project Name	Smart Lender – Applicant Credibility Prediction for Loan Approval
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IBM Cloud

Search resources and products...

Q

Catalog

Manage

Sharath kumar R's Acc...

?

Resource list

Create resource +

Name	Group	Location	Product	Status	Tags
Filter by name or IP address...	Filter by group or org...	Filter...	Filter...	Filter...	Filter...
Compute (0)					
Containers (0)					
Networking (0)					
Storage (1+)					
AI / Machine Learning (3)					
Watson Assistant-kx	Default	Sydney	Watson Assistant	Active	-
Watson Machine Learning-do	Default	Dallas	Watson Machine Learning	Active	cpdaas
Watson Studio-ub	Default	Dallas	Watson Studio	Active	-
Analytics (0)					
Blockchain (0)					
Databases (1+)					

Quick start

Create data pipelines with DataStage

Build customer profiles with IBM Match 360 with Watson

Catalog and govern data with Watson Knowledge Catalog

Build and manage ML models with Watson Studio

Query data anywhere with Watson Query

What's new

Projects

ML model deployment Nov 20, 2022 10:20 PM

New in gallery

SAMPLE PROJECT

Text Analysis with Watson Natural Language...

In this project, you will find examples on how to use Watson Natural Language Processing models to extract insights from text. You'll also see how you can use Watson Natural Language Processing to

Notifications

Online deployment ready

The online deployment new_deployment in space mod

Nov 22, 2022 03:06 PM

Deployments

models Nov 22, 2022 09:18 AM

Feedback

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models

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↺

Name	Type	Status	Asset	Last modified	↓
 new_deployment	Online	 Deployed	churn_modeling	2 days ago Sharath kumar R (You)	

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Deployments /

models

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Models

☐

Name


Type

Software specification

Last modified

↓


☐

 churn_modeling Model


scikit-learn_1.0

runtime-22.1-py3.9

1 hour ago
Service




☐

 churn_modeling Model

scikit-learn_1.0

runtime-22.1-py3.9

3 days ago
Service



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Name


Last modified

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 IBM Notebook

1 hour ago
Modified by you



 loan_train.zip application/x-zip-compressed

4 days ago
Modified by you



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Data in this project

Drop data files here or
browse for files to upload

<https://dataplatform.cloud.ibm.com/projects/2e1be7eb-e976-4399-bf41-c310dd5ec29e/assets?context=cpdaas#>

```
In [70]: from ibm_watson_machine_learning import APIClient
wml_credentials = {
    "url" : "https://us-south.ml.cloud.ibm.com",
    "apikey" : "z3XNS7Ruxks0VpyMjZDER8bqMSbF30vzzuZZWw5FnpMU"
}
client = APIClient(wml_credentials)
```

```
In [71]: client
```

```
Out[71]: <ibm_watson_machine_learning.client.APIClient at 0x7ff123e1bbe0>
```

```
In [72]: def guid_from_space_name(client, space_name):
space = client.spaces.get_details()
return(next(item for item in space['resources'] if item['entity']['name'] == space_name['metadata']['id']))
```

```
In [73]: space_uid = guid_from_space_name(client, 'models')
print("Space UID = "+space_uid)

Space UID = 13e002fe-a55d-4df4-9f2e-9d695ab9a4b6
```

```
In [74]: client.set_default_space(space_uid)
```

```
Out[74]: 'SUCCESS'
```

```
In [75]: client.software_specifications.list()
```

Not all 12345 records were displayed. To display more use limit parameter.

```
In [76]: software_spec_uid = client.software_specifications.get_uid_by_name("runtime-22.1-py3.9")
software_spec_uid
```

```
Out[76]: '12b83a17-24d8-5082-900f-0ab31fbfd3cb'
```

```
In [77]: model_details = client.repository.store_model(model=Rmodel, meta_props={
    client.repository.ModelMetaNames.NAME: "churn_modeling",
    client.repository.ModelMetaNames.TYPE: "scikit-learn_1.0",
    client.repository.ModelMetaNames.SOFTWARE_SPEC_UID: software_spec_uid }
)
model_id = client.repository.get_model_id(model_details)
```

```
In [78]: model_id
```

```
Out[78]: '7679fb5a-7f56-4043-a9d8-a50f7218e491'
```

```
model_id
```