

# Task 4.1: ML deployment

The first screenshot shows the 'experiment created on 16/04/2020' page in the Microsoft Azure Machine Learning Studio (classic). The 'DASHBOARD' tab is active, displaying the 'General' section. The 'Published experiment' section shows a 'View snapshot' and 'View latest' link. The 'Description' section states 'No description provided for this web service.' The 'API key' field contains the value 'o3EInrfU7bTb8hPWUHM3DtmIlgBFLMR7VUoOlyWD2CaD5XmvLbCRlB53xj89xIQ+OOQyTf5dcY73EIX78eA=='. The 'Default Endpoint' section shows a table with columns 'API HELP PAGE', 'TEST', 'APPS', and 'LAST UPDATED'. The table contains two rows of data for 'REQUEST/RESPONSE' and 'BATCH EXECUTION'.

The second screenshot shows the 'Experiment created on 16/04/2020' page in the Microsoft Azure Machine Learning Studio (classic). The 'Web service input' and 'Web service output' nodes are connected to the 'Execute Python Script' node. The 'Web service input' node is connected to the 'dbinput (1).csv' node. The 'Web service output' node is connected to the 'model1.zip' node. The 'Execute Python Script' node has a green checkmark, indicating it is completed. The 'Properties' panel on the right shows the 'Experiment Properties' section, including 'START TIME', 'END TIME', 'STATUS CODE', and 'STATUS DETAILS'. The 'Summary' section is also visible.

The third screenshot shows the 'Experiment created on 16/04/2020' page in the Microsoft Azure Machine Learning Studio (classic). The 'Python script' editor is open, displaying the following code:

```
1
2 import pandas as pd
3 import sys
4 import pickle
5 def azureml_main(dataframe1 = None, dataframe2 = None):
6     sys.path.insert(0, ".\\Script Bundle")
7     model = pickle.load(open(".\\Script Bundle\\model1.pkl", 'rb'))
8     pred = model.predict(dataframe1)
9     return pd.DataFrame([pred[0]]),
10
```

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Experiment created on 16/04/2020

Web service input

dbinput (1).csv

model1.zip

Execute Python Script

Web service output

Properties Project

**Execute Python Script**

Python script

```

1
2 import pandas as pd
3 import sys
4 import pickle
5 def azureml_main(data):
6     sys.path.insert(0,

```

Python Version

Anaconda 4.0/Python 3.5

START TIME 4/16/2020 ...

END TIME 4/16/2020 ...

ELAPSED TIME 0:00:00.000

STATUS CODE Finished

STATUS DETAILS Task output was present in output cache

Quick Help

+ NEW

RUN HISTORY SAVE SAVE AS DISCARD CHANGES RUN DEPLOY WEB SERVICE PUBLISH TO GALLERY

Microsoft Azure Machine Learning Studio (classic) SAGAR SURENAHALLI PRA...

experiment created on 16/04/2020

DASHBOARD CONFIGURATION

General [New Web Services Experience](#) [preview](#)

Published experiment

View snapshot View latest

Description

No description provided for this web service.

API key

o3Elnrfu7bTb8hPWUhm3DtmIlgbFFLMR7VUoOlyWD2CaD5XmVLbCRibS3xj89wiQ+OOQyTr5dcY73EIX78eA==

Default Endpoint

API HELP PAGE	TEST	APPS	LAST UPDATED
REQUEST/RESPONSE	<a href="#">Test</a> <a href="#">Test preview</a>	Excel 2013 or later  Excel 2010 or earlier workbook	4/16/2020 8:42:43 PM
BATCH EXECUTION	<a href="#">Test</a> <a href="#">Test preview</a>	Excel 2013 or later workbook	4/16/2020 8:42:43 PM

+ NEW

DELETE