

Publishing a batch inference pipeline

5 minutes

You can publish a batch inferencing pipeline as a REST service, as shown in the following example code:

Python

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```
published_pipeline =  
pipeline_run.publish_pipeline(name='Batch_Prediction_Pipeline',  
                             description='Batch pipeline',  
                             version='1.0')  
  
rest_endpoint = published_pipeline.endpoint
```

Once published, you can use the service endpoint to initiate a batch inferencing job, as shown in the following example code:

Python

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```
import requests  
  
response = requests.post(rest_endpoint,  
                        headers=auth_header,  
                        json={"ExperimentName": "Batch_Prediction"})  
run_id = response.json()["Id"]
```

You can also schedule the published pipeline to have it run automatically, as shown in the following example code:

Python

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```
from azureml.pipeline.core import ScheduleRecurrence, Schedule  
  
weekly = ScheduleRecurrence(frequency='Week', interval=1)  
pipeline_schedule = Schedule.create(ws, name='Weekly Predictions',  
                                   description='batch inferencing',  
                                   pipeline_id=published_pipeline.id,  
                                   experiment_name='Batch_Prediction',  
                                   recurrence=weekly)
```

Next unit: Exercise - Create a batch inference pipeline

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