

Reuse pipeline steps

5 minutes

Pipelines with multiple long-running steps can take a significant time to complete. Azure Machine Learning includes some caching and reuse features to reduce this time.

Managing step output reuse

By default, the step output from a previous pipeline run is reused without rerunning the step provided the script, source directory, and other parameters for the step have not changed. Step reuse can reduce the time it takes to run a pipeline, but it can lead to stale results when changes to downstream data sources have not been accounted for.

To control reuse for an individual step, you can set the **allow_reuse** parameter in the step configuration, like this:

Forcing all steps to run

When you have multiple steps, you can force all of them to run regardless of individual reuse configuration by setting the **regenerate_outputs** parameter when submitting the pipeline experiment:

```
Python

pipeline_run = experiment.submit(train_pipeline, regenerate_outputs=True)
```

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