

Run your local code as a SageMaker training job

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You can run your local machine learning (ML) Python code as a large single-node Amazon SageMaker training job or as multiple parallel jobs. You can do this by annotating your code with an `@remote` decorator, as shown in the following code example. [Distributed training](#) (across multiple instances) are not supported with remote functions.

```
@remote(**settings)
def divide(x, y):
    return x / y
```



The SageMaker Python SDK will automatically translate your existing workspace environment and any associated data processing code and datasets into a SageMaker training job that runs on the SageMaker training platform. You can also activate a persistent cache feature, which will further reduce job start latency by caching previously downloaded dependency packages. This reduction in job latency is greater than the reduction in latency from using SageMaker managed warm pools alone. For more information, see [Using persistent cache](#).

Note

Distributed training jobs are not supported by remote functions.

The following sections show how to annotate your local ML code with an `@remote` decorator and tailor your experience for



your use case. This includes customizing your environment and integrating with SageMaker Experiments.

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Set up your environment

Choose one of the following three options to set up your environment.

► **Run your code from Amazon SageMaker Studio Classic**

► **Run your code from an Amazon SageMaker notebook**

► **Run your code from within your local IDE**

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