

ASSESSMENT

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CREATE FIRST PIPELINES IN AZURE DEVOPS:

Creating pipelines in Azure DevOps involves defining a series of steps to build, test, and deploy your application. Here's a basic example of creating a pipeline in Azure DevOps using YAML. We'll create a simple build pipeline with two steps: one for building the code and another for running tests.

Setting up your Repository:

Ensure your code repository is hosted on Azure Repos, GitHub, or another supported version control system.

Azure DevOps Project:

Make sure you have an Azure DevOps project created.

Create YAML File:

In your code repository, create a YAML file named `azure-pipelines.yml` at the root.

Define Pipeline Steps:

Open the `azure-pipelines.yml` file and add the following YAML code:

This YAML file defines a pipeline with the following steps:

Printing 'Hello, World!'

Setting up the .NET Core SDK

Building the application

Running tests

Commit and Push:

Save the azure-pipelines.yml file and commit it to your version control system. Push the changes to trigger the build pipeline.

Create Pipeline in Azure DevOps:

Go to your Azure DevOps project.

Navigate to Pipelines > Pipelines.

Click on "New Pipeline" and choose your repository.

Select "Existing Azure Pipelines YAML file" and choose the branch containing your azure-pipelines.yml file.

Run Pipeline:

Save and run the pipeline. This will trigger a build with the defined steps.

Adjust the pipeline YAML as needed based on your project structure, dependencies, and testing needs. Azure DevOps offers extensive documentation for more advanced scenarios and customization options: [Azure Pipelines Documentation](#).