

Branching

The first screenshot shows the 'Create a branch' dialog in Azure DevOps. The 'Name' field is set to 'test', 'Based on' is set to 'main', and 'Work items to link' is empty. The 'Create' button is highlighted.

The second screenshot shows the 'Files' view in the 'test' branch. The file list includes 'courier.sql', 'databricksintro.py', 'pgm1.py', 'pgm2.py', and 'README.md'. The 'Commit' button is highlighted.

The third screenshot shows the 'Files' view after committing the changes. The commit message is 'Committed dd8e7bbc: Added indian datas.sql to /'. The 'Create a pull request' button is highlighted.

Azure DevOps DEHexa / hello / Repos / Pull requests / DETraining

New pull request

test into main

Overview Files 1 Commits 1

Title

Added indian datas.sql to /

Description

Added indian datas.sql to /

27/4000

Markdown supported. Drag & drop, paste, or select files to insert. Link work items.

@ # [Icons] B I [Icons]

Added indian datas.sql to /

Reviewers

Add required reviewers

Search users and groups to add as reviewers

Work items to link

Search work items by ID or title

Tags

Create

Azure DevOps DEHexa / hello / Repos / Pull requests / DETraining

Added indian datas.sql to /

Active 12 azuser2373_mml.local proposes to merge test into main

Overview Files Updates Commits

No merge conflicts
Last checked Just now

Description

Added indian datas.sql to /

Show everything (1)

Add a comment...

azuser2373_mml.local created the pull request Just now

Reviewers

Add

Required

No required reviewers

Optional

No optional reviewers

Tags

No tags

Work items

No work items

DATA ENGINEERING DEVOPS

The first screenshot shows the 'Pull requests' view in Azure DevOps. A pull request titled 'Added indian datas.sql to /' is active, proposing to merge the 'test' branch into the 'main' branch. The interface shows 'No merge conflicts' and a 'Complete pull request' dialog box. The dialog box has a 'Merge type' dropdown set to 'Merge (no fast forward)' and several 'Post-completion options' checked: 'Complete associated work items after merging', 'Delete test after merging', and 'Customize merge commit message'. The 'Complete merge' button is highlighted.

The second screenshot shows the pull request after it has been completed. The status is 'Completed'. The 'Delete source branch' button is visible. The 'Reviewers' section shows 'No required reviewers' and 'No optional reviewers'. The 'Tags' section shows 'No tags'. The 'Work items' section shows 'No work items'.

The third screenshot shows the 'Commits' view for the 'main' branch. It displays a list of commits with a graph on the left. The commits are:

- Merged PR 2: Added indian datas.sql to / (f9d99b26) - Just now
- Added indian datas.sql to / (d88a7b9c) - Just now
- Merged PR 1: Added couriers.sql to / (4270ebcd) - Today at 10:18 AM
- Added couriers.sql to / (51eaac4e) - Today at 10:17 AM
- from databricks (eef42fac) - Thu at 6:46 PM
- from Azure Repo (e875944e) - Thu at 6:37 PM
- Added README.md (35f1d822) - Thu at 6:37 PM

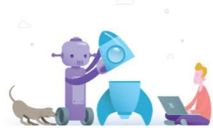
Running pipeline

Azure DevOps DEHexa / hello / Pipelines

Search

hello +

- Overview
- Boards
- Repos
- Pipelines
- Pipelines
- Environments
- Library
- Test Plans
- Artifacts



Create your first Pipeline

Automate your build and release processes using our wizard, and go from code to cloud-hosted within minutes.





Create Pipeline

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Connect Select Configure Review

New pipeline

Where is your code?

-  Azure Repos Git YAML
Free private Git repositories, pull requests, and code search
-  Bitbucket Cloud YAML
Hosted by Atlassian
-  GitHub YAML
Home to the world's largest community of developers
-  GitHub Enterprise Server YAML
The self-hosted version of GitHub Enterprise





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✓ Connect Select Configure Review

New pipeline

Select a repository

Filter by keywords hello

-  DETraining
-  file1
-  file2
-  hello

DATA ENGINEERING DEVOPS

The image shows two screenshots of the Azure DevOps interface. The top screenshot displays the 'Pipelines' page with a list of templates for building various projects. The bottom screenshot shows the 'Review your pipeline YAML' screen for a new pipeline.

Top Screenshot: Azure DevOps Pipelines Page

Navigation: Azure DevOps / DEHexa / hello / Pipelines

Left sidebar (Project settings):

- hello
- Overview
- Boards
- Repos
- Pipelines
- Pipelines
- Environments
- Library
- Test Plans
- Artifacts

Right pane (Pipelines):

- Build a Node.js project that uses Vue.
- Node.js with webpack: Build a Node.js project using the webpack CLI.
- PHP: Test and package your PHP project.
- PHP as Linux Web App on Azure: Build, package and deploy your PHP project to Azure Linux Web App.
- PowerShell Function App to Windows on Azure: Build a PowerShell Function App and deploy it to Azure as a Windows function app.
- Python Django: Test a Django project on multiple versions of Python.
- Python Function App to Linux on Azure: Build a Python function app and deploy it to Azure as a Linux function app.
- Ruby: Package your Ruby project.
- Universal Windows Platform: Build a Universal Windows Platform project using Visual Studio.
- Xamarin.Android: Build a Xamarin.Android project.
- Xamarin.iOS: Build a Xamarin.iOS project.
- Xcode: Build, test, and archive an Xcode workspace on macOS.

Bottom Screenshot: Review your pipeline YAML

Navigation: Azure DevOps / DEHexa / hello / Pipelines

Left sidebar (Project settings):

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- Repos
- Pipelines
- Pipelines
- Environments
- Library
- Test Plans
- Artifacts

Right pane (Review your pipeline YAML):

Connect Select Configure **Review**

New pipeline

Review your pipeline YAML

Variables Save and run

DETraining / azure-pipelines.yml

```
1 | Universal Windows Platform
2 # Build a Universal Windows Platform project using Visual Studio.
3 # Add steps that test and distribute an app, save build artifacts, and more:
4 # https://aka.ms/yaml
5
6 trigger:
7   - main
8
9 pool:
10  vmImage: 'windows-latest'
11
12 variables:
13   - solution: '**/*.sln'
14   - buildPlatform: 'x86|x64|ARM'
15   - buildConfiguration: 'Release'
16   - appxPackageDir: '$(build.artifactstagingdirectory)\AppxPackages\*'
17
18 steps:
19   Settings
20   - task: NuGetToolInstaller@1
21   Settings
22   - task: NuGetCommand@2
```

The first screenshot shows the 'Review your pipeline YAML' step in the Azure DevOps web interface. The pipeline is named 'DETraining' and is based on the 'azure-pipelines.yml' file. The YAML content is as follows:

```
1 # Universal Windows Platform
2 # Build a Universal Windows Platform project using Visual Studio.
3 # Add steps that test and distribute an app, save build artifacts, and more:
4 # https://aka.ms/yaml
5
6 trigger:
7   - main
8
9 pool:
10  vmImage: 'windows-latest'
11
12 variables:
13   - solution: '**/*.sln'
14   - buildPlatform: 'x86|x64|ARM'
15   - buildConfiguration: 'Release'
16   - appxPackageDir: '$(build.artifactstagingdirectory)\AppxPackages\*'
17
18 steps:
19   - task: NuGetToolInstaller@1
20
21   - task: NuGetCommand@2
```

The second screenshot shows the 'Summary' tab for the pipeline run #20241214.1. The pipeline was triggered by 'azuser2373_mml.local'. The summary table shows the following details:

Repository and version	Time started and elapsed	Related	Tests and coverage
DETraining main 9a6ce2e8	Just now	0 work items 0 artifacts	Get started

The third screenshot shows the 'Jobs in run #20241214.1' tab. The jobs are listed as follows:

Name	Status	Duration
Job	Queued	

The 'NuGetCommand' job details are shown in the right-hand pane, indicating the task is 'NuGet' and the description is 'Restore, pack, or push NuGet packages, or run a NuGet command. Supports NuGet.org and authenticated feeds like Azure Artifacts'.

Azure DevOps DEHexa / hello / Pipelines / DETraining / 20241214.1

Search

hello +

- Overview
- Boards
- Repos
- Pipelines
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← Jobs in run #20241214.1
DETraining

Jobs

Job	Duration
Job	25s
Initialize job	4s
Checkout DETraining@...	6s
NuGetToolInstaller	3s
NuGetCommand	7s
VSBuild	3s
Post-job: Checkout DE...	<1s
Finalize Job	<1s
Report build status	<1s

Job

View raw log

```

1 Pool: Azure Pipelines
2 Image: windows-latest
3 Queued: Just now [manage_parallel_jobs]
4 Agent: Hosted Agent
5 Started: Just now
6 Duration: 25s
7
8 The agent request is already running or has already completed.
9 ▶ Job preparation parameters
44 Job live console data:
45 Starting: Job
46 Async Command Start: DetectDockerContainer
47 Async Command End: DetectDockerContainer
48 Async Command Start: DetectDockerContainer
49 Async Command End: DetectDockerContainer
50 Finishing: Job
    
```