

### **5.3 CREATE A NEW PIPELINE**

1. In your Azure DevOps project, select **Pipelines** from the left navigation menu.
2. Select **New pipeline** or **Create pipeline** if this pipeline is the first in the project.
3. On the **Where is your code** screen, select **GitHub**.
4. You might be redirected to GitHub to sign in. If so, enter your GitHub credentials.
5. On the **Select a repository** screen, select the repository your .NET app is in.
6. You might be redirected to GitHub to install the Azure Pipelines app. If so, select **Approve & install**.
  
7. Azure Pipelines will analyze your repository and recommend the **Maven** pipeline template.
8. When your new pipeline appears, take a look at the YAML to see what it does. When you're ready, select **Save and run**.
9. You're prompted to commit a new azure-pipelines.yml file to your repository. After you're happy with the message, select **Save and run** again.

If you want to watch your pipeline in action, select the build job.

You just created and ran a pipeline that we automatically created for you, because your code appeared to be a good match for the Maven template.

You now have a working YAML pipeline (azure-pipelines.yml) in your repository that's ready for you to customize!

10. When you're ready to make changes to your pipeline, select it in the **Pipelines** page, and then **Edit** the azure-pipelines.yml file.

### **View and manage your pipelines**

You can view and manage your pipelines by choosing **Pipelines** from the left-hand menu to go to the pipelines landing page.

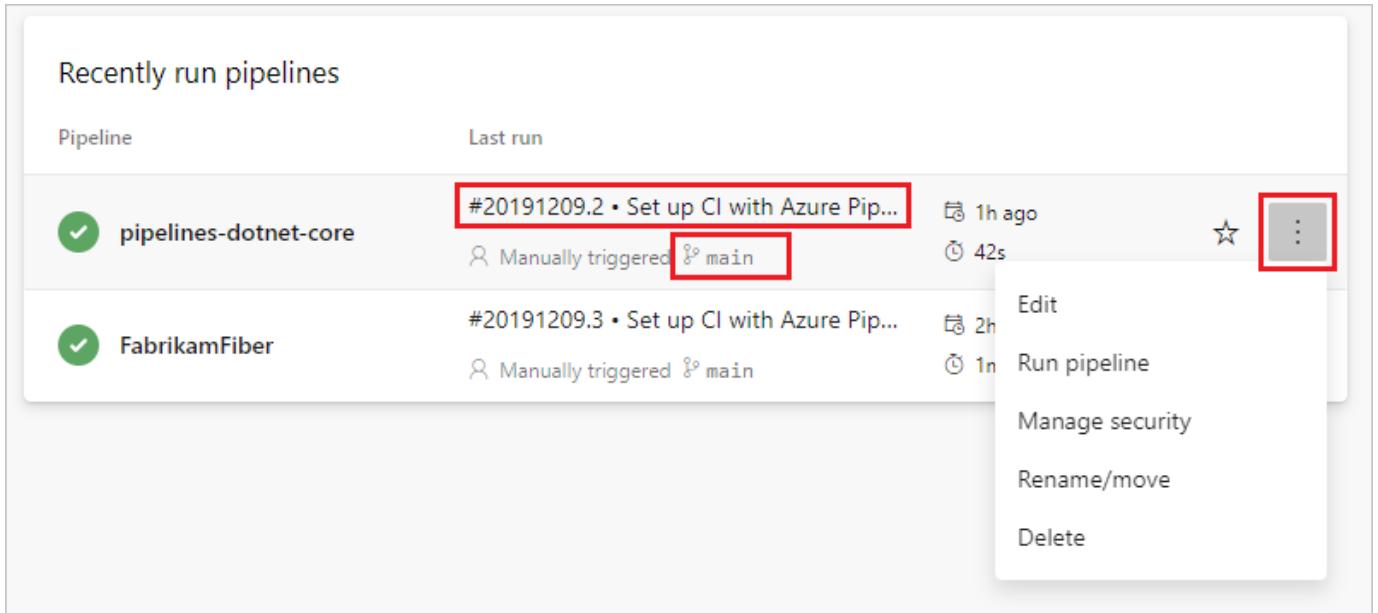
Pipeline	Last run
pipelines-dotnet-core	#20191209.2 • Set up CI with Az... Manually triggered 30s ago
FabrikamFiber	#20191209.3 • Set up CI with Az... Manually triggered 1m 13s ago

From the pipelines landing page you can view pipelines and pipeline runs, create and import pipelines, manage security, and drill down into pipeline and run details.

Choose **Recent** to view recently run pipelines (the default view), or choose **All** to view all pipelines.

Pipeline	Last run
pipelines-dotnet-core	#20191209.2 • Set up CI with Az... Manually triggered 30s ago
FabrikamFiber	#20191209.3 • Set up CI with Az... Manually triggered 1m 13s ago

Select a pipeline to manage that pipeline and view the runs. Select the build number for the last run to view the results of that build, select the branch name to view the branch for that run, or select the context menu to run the pipeline and perform other management actions.



Recently run pipelines

Pipeline	Last run
pipelines-dotnet-core	#20191209.2 • Set up CI with Azure Pip... Manually triggered 30 main 1h ago 42s
FabrikamFiber	#20191209.3 • Set up CI with Azure Pip... Manually triggered 30 main 2h 1n

More

- Edit
- Run pipeline
- Manage security
- Rename/move
- Delete

Select **Runs** to view all pipeline runs. You can optionally filter the displayed runs.

**Pipelines**

New pipeline : Y

Recent All **Runs**

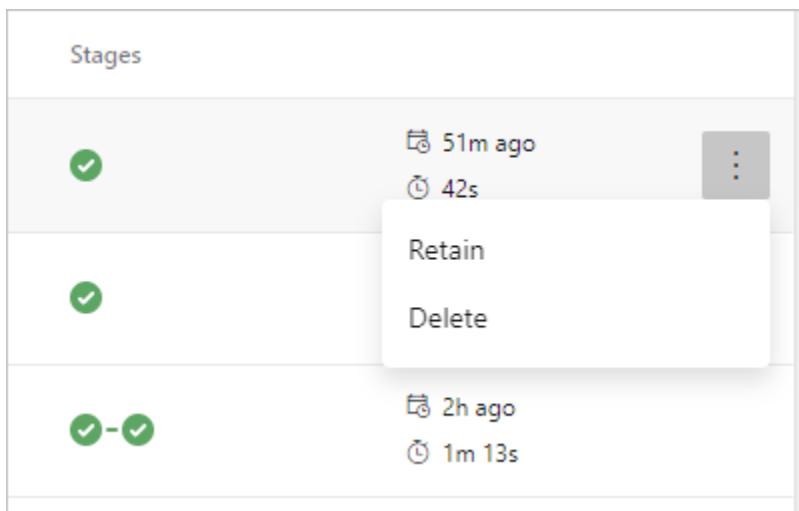
Filter by keywords State Repository Requested for Tags X

All pipeline runs

Description	Stages	Created	Duration
Set up CI with Azure Pipelines 🔗 #20191209.2 on pipelines-dotnet-core ⚙ main d4964...	✓	44m ago	42s
Set up CI with Azure Pipelines 🔗 #20191209.1 on pipelines-dotnet-core ⚙ main d4964...	✓	53m ago	46s
Set up CI with Azure Pipelines 🔗 #20191209.3 on FabrikamFiber ⚙ main 2b4b23c	✓ - ✓	1h ago	1m 13s
Set up CI with Azure Pipelines 🔗 #20191209.2 on FabrikamFiber ⚙ main 2b4b23c	✓ - ✓	1h ago	1m 55s
Set up CI with Azure Pipelines 🔗 #20191209.1 on FabrikamFiber ⚙ main 2b4b23c	✓ - ✓	1h ago	1m 6s

Select a pipeline run to view information about that run.

You can choose to **Retain** or **Delete** a run from the context menu.



### [View pipeline details](#)

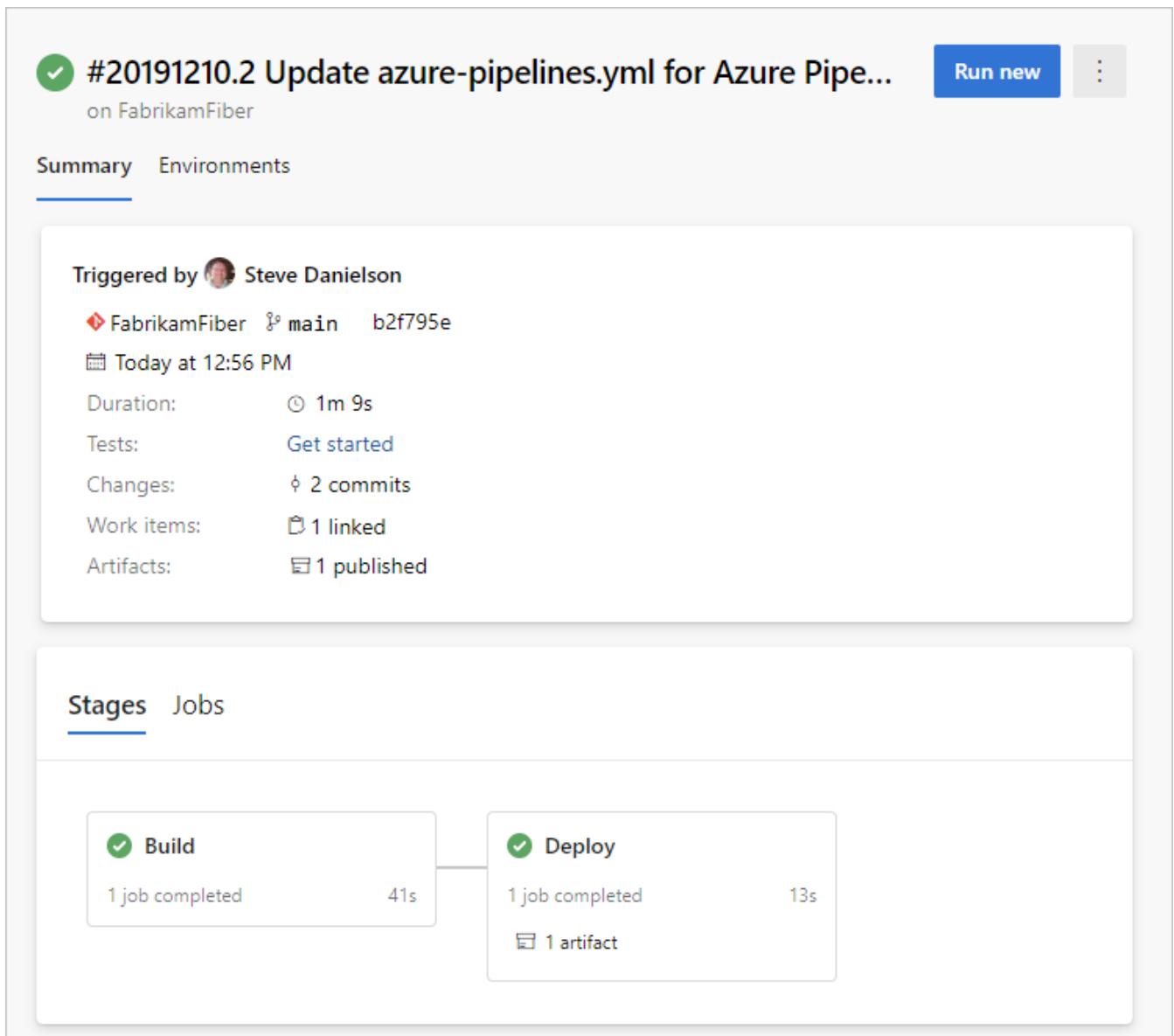
The details page for a pipeline allows you to view and manage that pipeline.

Description	Stages	Timestamp
#20191209.3 Set up CI with Azure Pipelines Manually triggered ↗ main 2b4b23c	✓ - ✓	54m ago 1m 13s
#20191209.2 Set up CI with Azure Pipelines Manually triggered ↗ main 2b4b23c	✓ - ✓	55m ago 1m 55s
#20191209.1 Set up CI with Azure Pipelines Individual CI ↗ main 2b4b23c	✓ - ✓	56m ago 1m 6s

Choose **Edit** to edit your pipeline. For more information, see [YAML pipeline editor](#). You can also edit your pipeline by modifying the **azure-pipelines.yml** file directly in the repository that hosts the pipeline.

## View pipeline run details

From the pipeline run summary you can view the status of your run, both while it is running and when it is complete.



The screenshot shows the Azure Pipelines pipeline run details page for a run triggered by Steve Danielson. The run is identified by the ID #20191210.2 and the title 'Update azure-pipelines.yml for Azure Pipe...'. The run was triggered on the 'FabrikamFiber' repository, branch 'main', commit 'b2f795e', and started 'Today at 12:56 PM'. The duration of the run was 1m 9s. The pipeline summary shows two stages: 'Build' and 'Deploy'. The 'Build' stage completed 1 job in 41s. The 'Deploy' stage completed 1 job in 13s, publishing 1 artifact. The 'Summary' tab is selected, and the 'Environments' tab is also present. The 'Run new' and 'More' buttons are located in the top right corner.

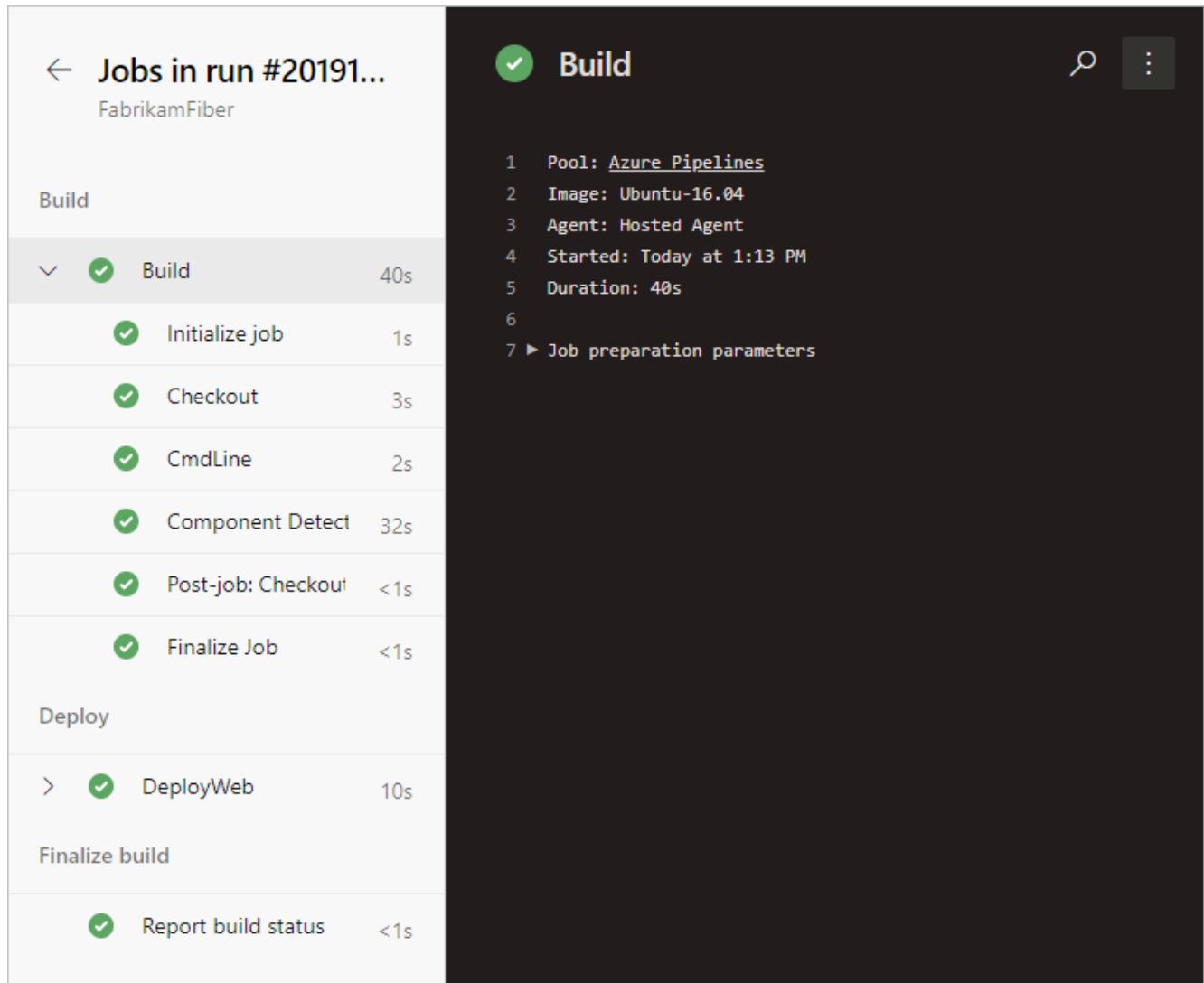
From the summary pane you can view job and stage details, download artifacts, and navigate to linked commits, test results, and work items.

### Jobs and stages

The jobs pane displays an overview of the status of your stages and jobs. This pane may have multiple tabs depending on whether your pipeline has stages and jobs, or just jobs. In this example, the pipeline has two stages named **Build** and **Deploy**. You can drill down into the pipeline steps by choosing the job from either the **Stages** or **Jobs** pane.

Stages	Jobs		
Name	Status	Stage	Duration
Build	Success	Build	40s
DeployWeb	Success	Deploy	10s

Choose a job to see the steps for that job.



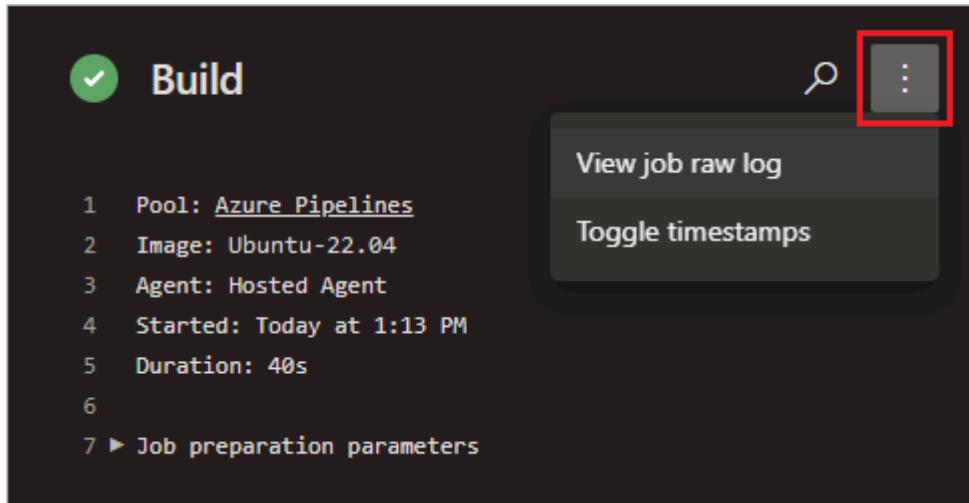
The image shows two side-by-side views of an Azure DevOps pipeline. The left view is a 'Steps' view showing the sequence of tasks: Build, Deploy, and Finalize build. The Build step is expanded, showing sub-tasks like Initialize job, Checkout, CmdLine, Component Detect, Post-job: Checkout, and Finalize Job, all of which completed successfully. The Deploy step is collapsed, showing a single task 'DeployWeb' that completed successfully. The Finalize build step is collapsed. The right view is a 'Build' summary view, showing details like the pool (Azure Pipelines), image (Ubuntu-16.04), agent (Hosted Agent), start time (Today at 1:13 PM), duration (40s), and a link to 'Job preparation parameters'.

Step	Task	Duration
Build	Initialize job	1s
	Checkout	3s
	CmdLine	2s
	Component Detect	32s
	Post-job: Checkout	<1s
	Finalize Job	<1s
	Deploy	
> DeployWeb		10s
Finalize build		
Report build status		<1s

**Build**

- 1 Pool: [Azure Pipelines](#)
- 2 Image: Ubuntu-16.04
- 3 Agent: Hosted Agent
- 4 Started: Today at 1:13 PM
- 5 Duration: 40s
- 6
- 7 ▶ [Job preparation parameters](#)

From the steps view, you can review the status and details of each step. From the **More actions**  you can toggle timestamps or view a raw log of all steps in the pipeline.



### Cancel and re-run a pipeline

If the pipeline is running, you can cancel it by choosing **Cancel**. If the run has completed, you can re-run the pipeline by choosing **Run new**.

