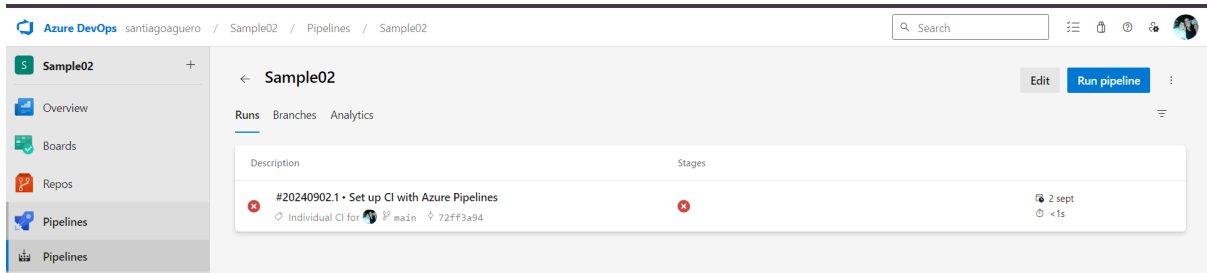


Ingeniería en Software 3

TP4 - Azure Devops - Pipeline

Santiago Agüero

1. **Solicitar acceso a MS para la ejecución de pipelines:** Lo primero que debes hacer es asegurarte de que tienes acceso a **Azure Pipelines**. Si aún no lo tienes, deberás solicitarlo a la persona encargada o al administrador de la cuenta.



Wenqing Song (Centific Technologies Inc) <v-wenqsong@microsoft.com>
para mí, azpipelines-freetier@microsoft.com

6:03 (f)

Hi Santiago,

We've received your request to increase free parallelism in Azure DevOps.

Please note that your request was **Completed**

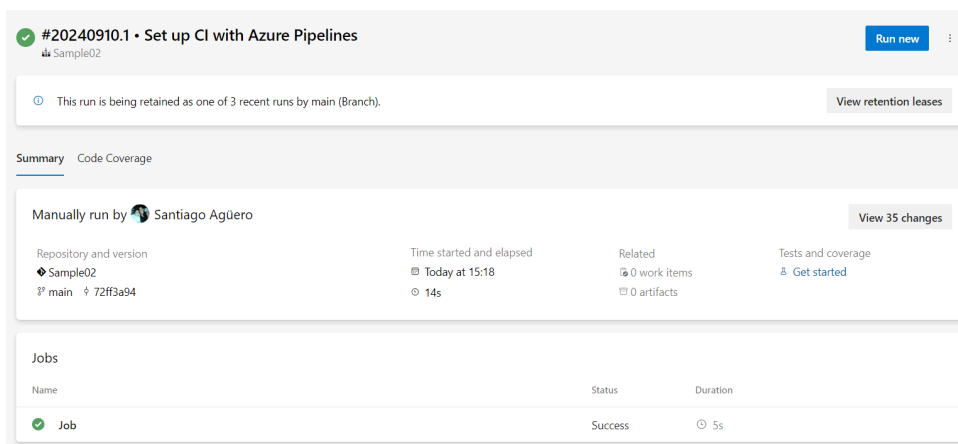
Request Details:

Name	Santiago
Email	aguero17.2001@gmail.com
Organization Name	https://dev.azure.com/santiagoaguero/
Parallelism Type	Private

Request Free Parallelism for your organization: [Azure DevOps Parallelism Request Form](#)

Useful information:

- Una vez recibido el acceso, reintentamos correr el pipeline.



2. Agregar tareas (tasks) de publish:

- Una vez configurado el pipeline, agrega las tareas de **publish** para guardar los artefactos generados (por ejemplo, ejecutables o archivos comprimidos).
- Guarda los cambios y realiza un commit; esto disparará automáticamente el pipeline.

santiagoaguero / Sample02 / Pipelines

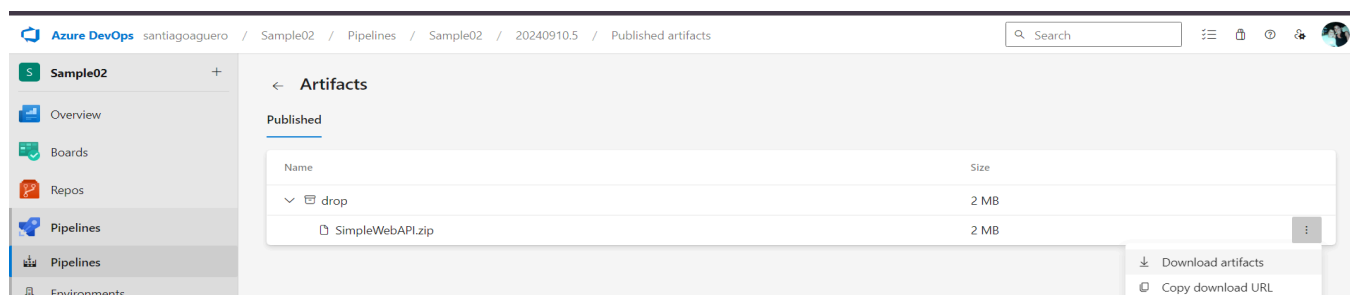
← Sample02

main Sample02 / azure-pipelines.yml

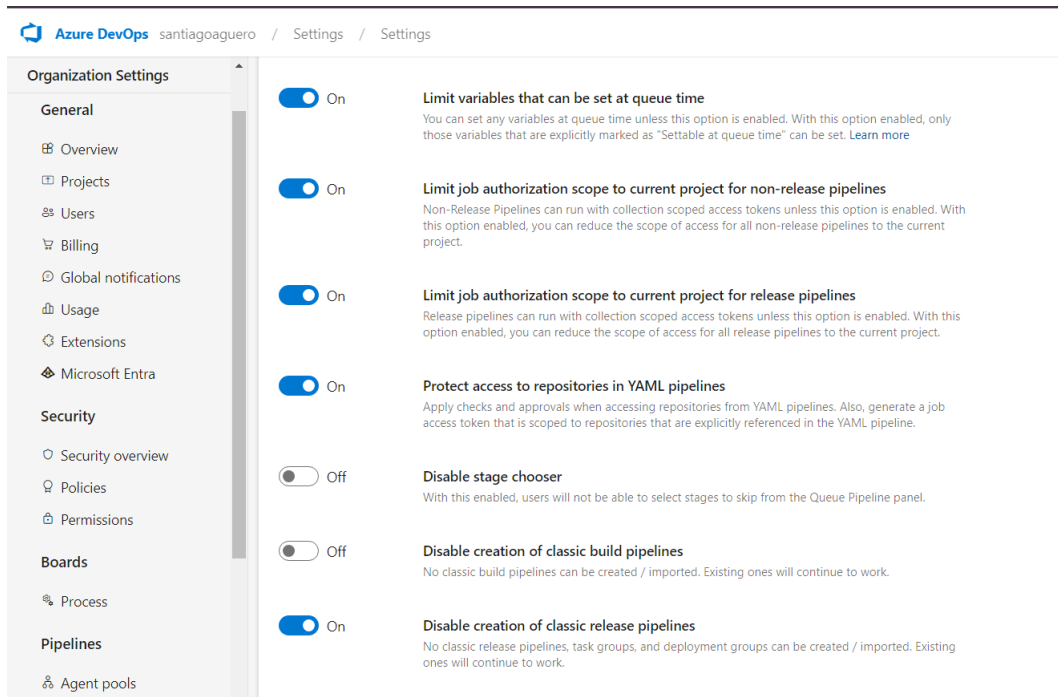
```
6
7  steps:
8    - script: echo Hello, world!
9      displayName: 'Run a one-line script'
10     - script: |
11       echo Add other tasks to build, test, and deploy your project.
12       echo See https://aka.ms/yaml
13     displayName: 'Run a multi-line script'
14
15   # Aquí agregas la tarea de publicación
16   settings:
17     - task: DotNetCoreCLI@2
18       inputs:
19         command: 'publish'
20         publishWebProjects: true
21         arguments: '--configuration $(BuildConfiguration) --output $(Build.ArtifactStagingDirectory)'
22         zipAfterPublish: true
23
24   settings:
25     - task: PublishBuildArtifacts@1
26       inputs:
27         PathToPublish: '$(Build.ArtifactStagingDirectory)'
28         ArtifactName: 'drop'
29         publishLocation: 'Container'
```

3. Descargar el resultado de la carpeta drop:

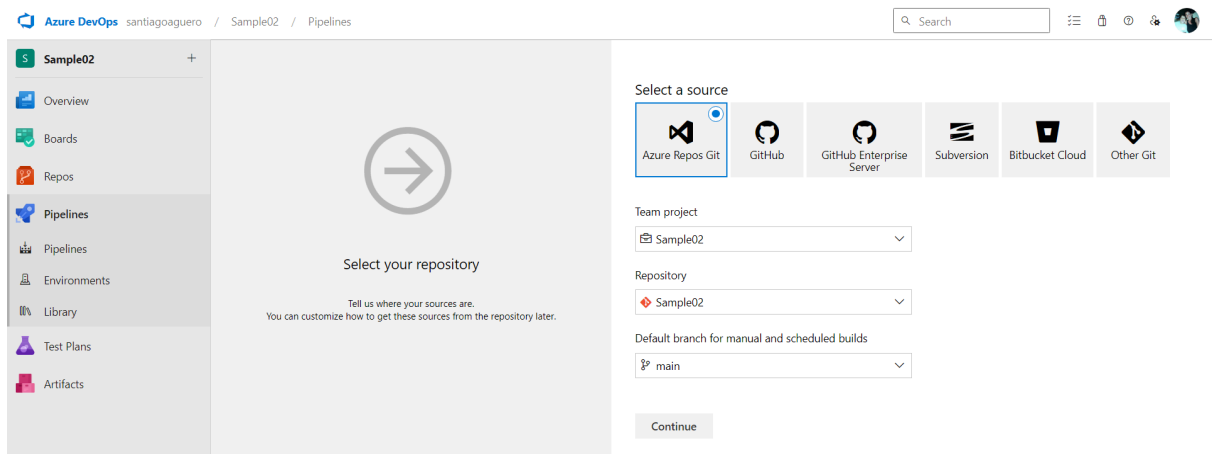
- Después de que el pipeline termine de ejecutarse, descarga el archivo **drop.zip** desde la carpeta generada (**drop**).
- Descomprime el archivo y ejecuta tu aplicación localmente para verificar que funciona correctamente.



4. Habilitar Pipeline Classic Editor



5. Crear y correr Pipeline con Classic Editor.



Sample02

Overview

Boards

Repos

Pipelines

Pipelines

Environments

Library

Test Plans

Artifacts

Sample02-ASP.NET Core-CI

Tasks

Variables

Triggers

Options

History

Save & queue

Discard

Summary

Queue

Pipeline

Build pipeline

Get sources

Sample02

main

Agent job 1

Run on agent

Restore

.NET Core

Build

.NET Core

Test

.NET Core

Publish

.NET Core

Publish Artifact

Publish build artifacts

Name *

Sample02-ASP.NET Core-CI

Agent pool

Pool information

Manage

Azure Pipelines

Agent Specification *

Selecting an agent specification is required

Parameters

Unlink all

Project(s) to restore and build

**/*.csproj

Project(s) to test

**/[T]ests/*.csproj

Sample02

Overview

Boards

Repos

Pipelines

Pipelines

Environments

Library

Test Plans

Artifacts

Sample02-ASP.NET Core-CI / 20240910.1

#20240910.1 • Update azure-pipelines.yml for Azure Pipelines

Summary

Code Coverage

Manually run by Santiago Agüero

View 38 changes

Repository and version

Sample02

main

6ee17bc9

Time started and elapsed

Just now

Related

0 work items

Tests and coverage

Get started

1 consumed

Jobs

Name	Status	Duration
Agent job 1	Queued	

Jobs in run #20240910.1

Sample02-ASP.NET Core-CI

Jobs

Agent job 1

1m 43s

Initialize job

4s

Checkout Sample02@...

6s

Restore

37s

Build

24s

Test

26s

Publish

2s

Publish Artifact

Post-job: Checkout Sampl...

Publish

1 Starting: Publish

2 =====

3 Task : .NET Core

4 Description : Build, test, package, or publish a dotnet application, or run a custom dotnet command

5 Version : 2.245.1

6 Author : Microsoft Corporation

7 Help : https://docs.microsoft.com/azure/devops/pipelines/tasks/build/dotnet-core-cli

8 =====

9 ##[warning]Resource file has already set to: D:\a_tasks\DotNetCoreCLI_5541a522-603c-47ad-91fc-a4b1d163081b\2.245.1\node_modules\azure-

10 C:\Windows\system32\chcp.com 65001

11 Active code page: 65001

12 Info: .NET Core SDK/runtime 2.2 and 3.0 are now End of Life(EOL) and have been removed from all hosted agents. If you're using these SD

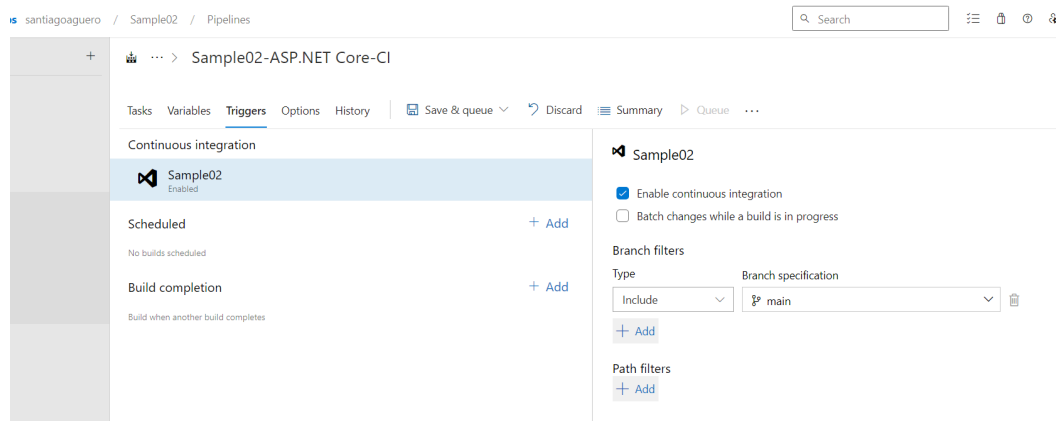
13 "C:\Program Files\dotnet\dotnet.exe" publish D:\a\1\s\SimpleWebAPI\SimpleWebAPI.csproj --configuration Release --output D:\a\1\Simple

14 Determining projects to restore...

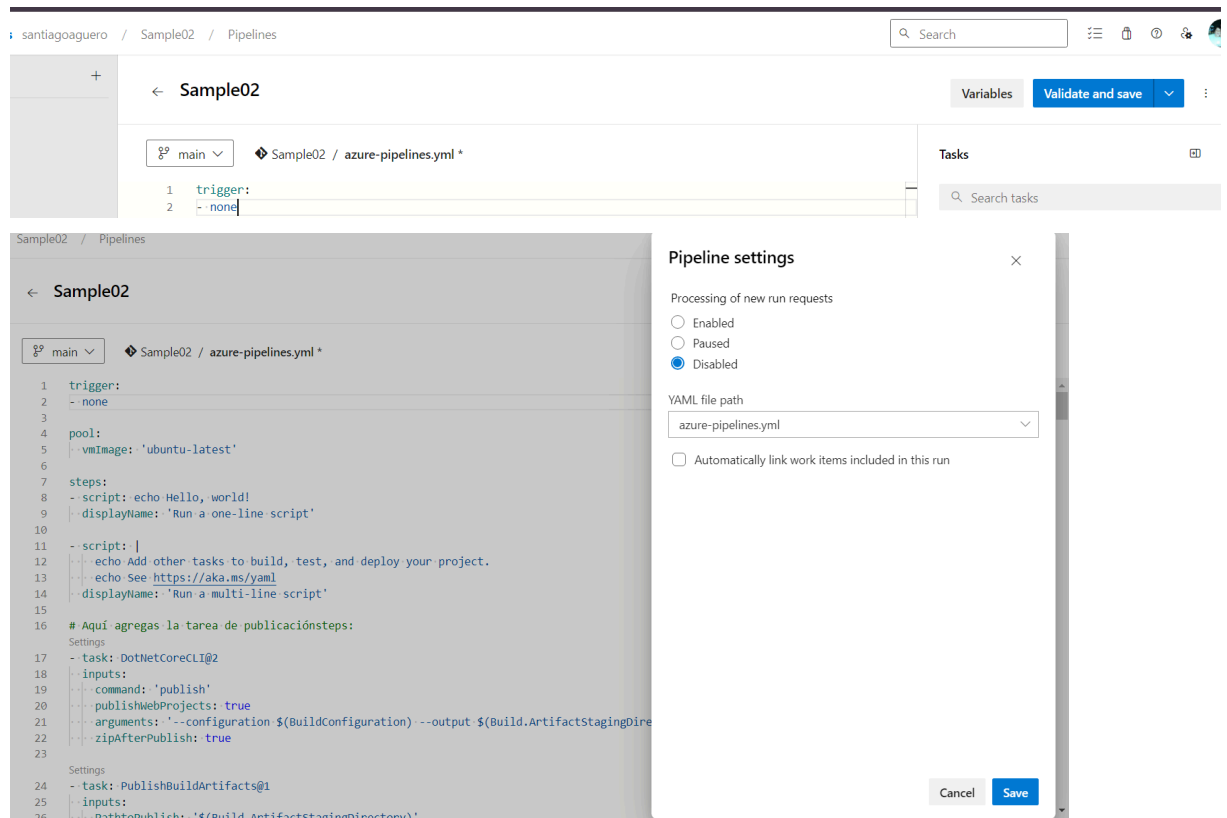
15 All projects are up-to-date for restore.

6. Configurar CI: Configuración continua

- En clásicos:



- En YAML:



7. Instalar un agente en nuestro entorno

- Crear un access Token

Create a new personal access token

Name

token

Organization

santiagoaguero

Expiration (UTC)

30 days

10/10/2024

Scopes

Authorize the scope of access associated with this token

Scopes

☒ Full access
 ☐ Custom defined

Create

Cancel

Success!

You have successfully added a new personal access token. Copy the token now!

token token

aoxnad6ecb26bnqp7rvac

Warning - Make sure you copy the above token now. We don't store it and you will not be able to see it again.

Close

- Crear un pool

Name	Queued jobs	Running jobs
Azure Pipelines Azure Pipelines		
Default Azure Pipelines		
MiPool Santiago Agüero		

- En la terminal descomprimos, configuramos. Colocamos la url de mi proyecto y el access token.

```

C:\Windows\System32\cmd.e  X  +  v
agent v3.243.1      |_ |      (commit 3bb22cd)

>> Connect:
Enter server URL > Enter server URL > Exiting...
¿Desea terminar el trabajo por lotes (S/N)? n
C:\agent\myagent>.\config.cmd

agent v3.243.1      |_ |      (commit 3bb22cd)

>> Connect:
Enter server URL > https://dev.azure.com/santiagoaguero/
Enter authentication type (press enter for PAT) >
Enter personal access token > *****
Connecting to server ...

>> Register Agent:
Enter agent pool (press enter for default) >

```

- Revisamos que ya se creó el agente.

santiagoaguero / Sample02 / Settings / Agent pools / MiPool

Search

Project Settings

Sample02

General

- Overview
- Teams
- Permissions
- Notifications
- Service hooks

MiPool

Jobs Agents Details Security Approvals and checks Analytics

Name	Last run	Current status	Agent version	Enabled
MiAgente Offline		Idle	3.243.1	<input checked="" type="checkbox"/> On

Update all agents New agent

- Cambiamos el agent Pool del pipeline Classic Editor que está corriendo:

Sample02-ASP.NET Core-CI

Tasks Variables Triggers Options History Save & queue Discard Summary Queue

Pipeline

Build pipeline

Get sources

Sample02 main

Agent job 1

Run on agent

Restore

.NET Core

Name *

Sample02-ASP.NET Core-CI

Agent pool ⓘ | Pool information | Manage

MiPool

Parameters ⓘ | Unlink all