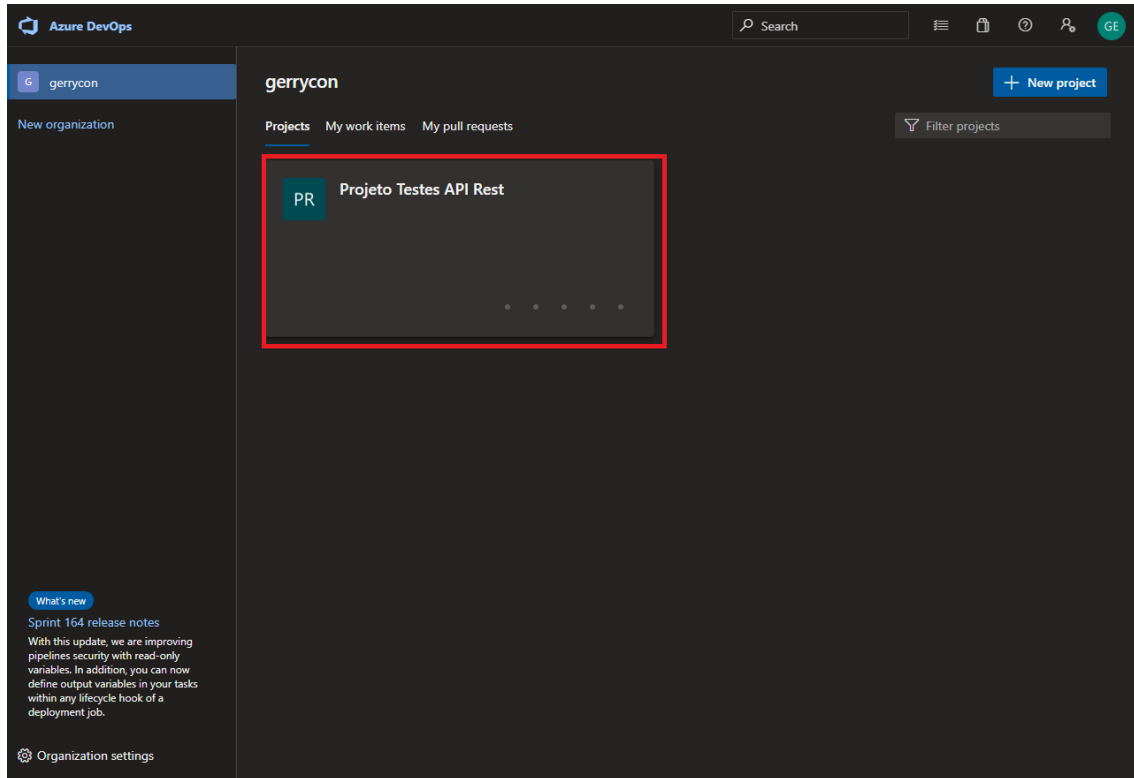
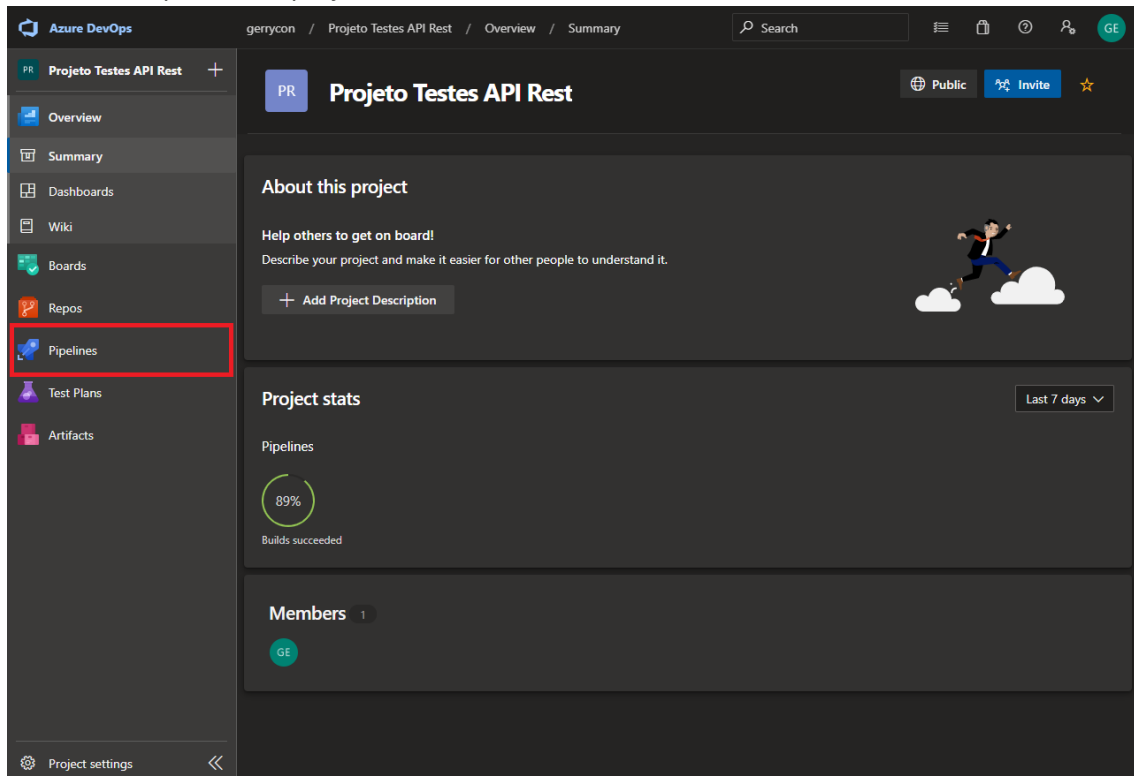


Configuração – Azure DevOps

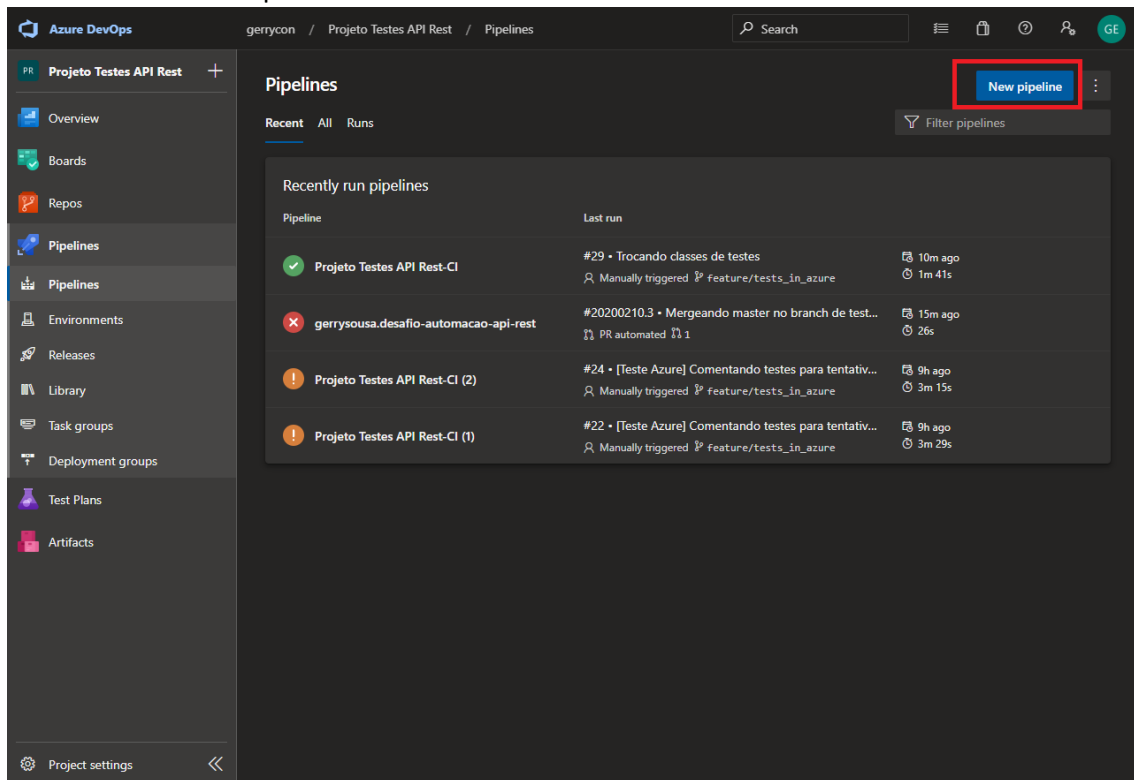
Cadastrar um projeto, e selecioná-lo:



Acessar os Pipelines do projeto:



Adicionar um novo Pipeline:

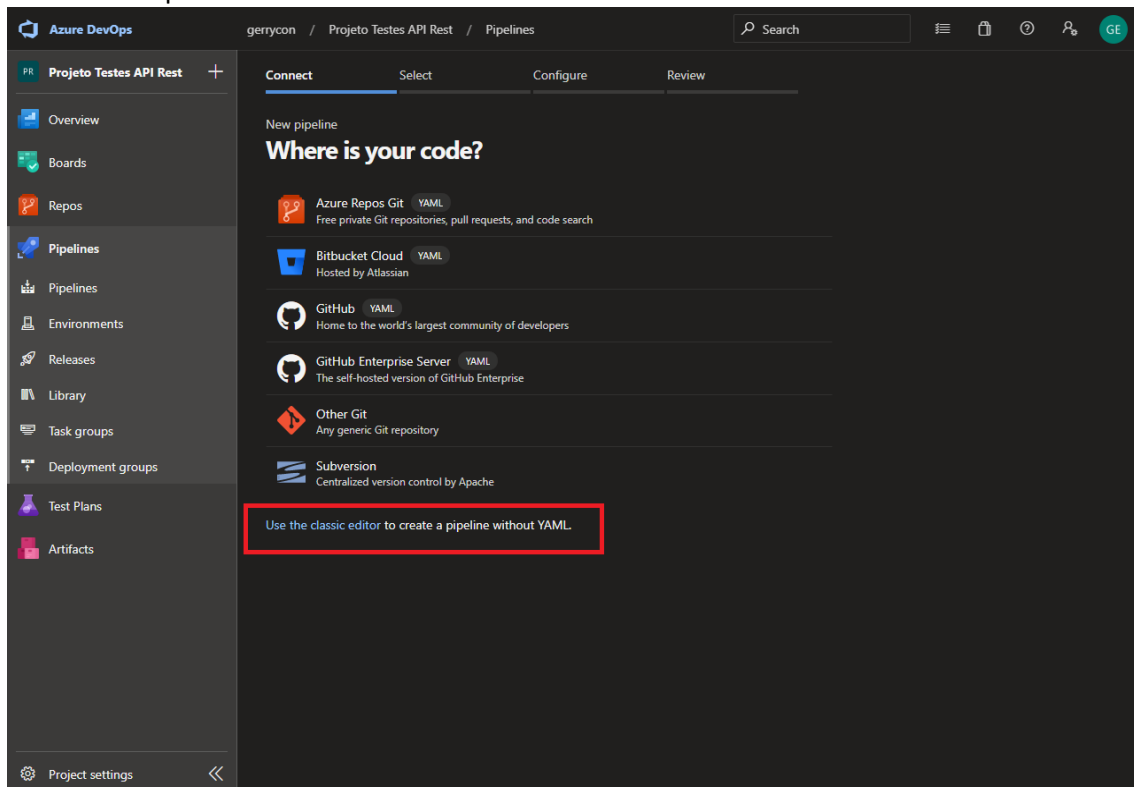


The screenshot shows the Azure DevOps interface for the 'Projeto Testes API Rest' project. The left sidebar contains navigation links: Overview, Boards, Repos, Pipelines (selected), Environments, Releases, Library, Task groups, Deployment groups, Test Plans, and Artifacts. The main area is titled 'Pipelines' and shows a table of 'Recently run pipelines'.

Pipeline	Last run
Projeto Testes API Rest-CI	#29 • Trocando classes de testes Manually triggered feature/tests_in_azure 10m ago 1m 41s
gerrysousa.desafio-automacao-api-rest	#20200210.3 • Mergeando master no branch de test... PR automated 1 15m ago 26s
Projeto Testes API Rest-CI (2)	#24 • [Teste Azure] Comentando testes para tentativ... Manually triggered feature/tests_in_azure 9h ago 3m 15s
Projeto Testes API Rest-CI (1)	#22 • [Teste Azure] Comentando testes para tentativ... Manually triggered feature/tests_in_azure 9h ago 3m 29s

A red box highlights the 'New pipeline' button in the top right corner of the Pipelines section.

Selecionar Pipeline sem YAML:

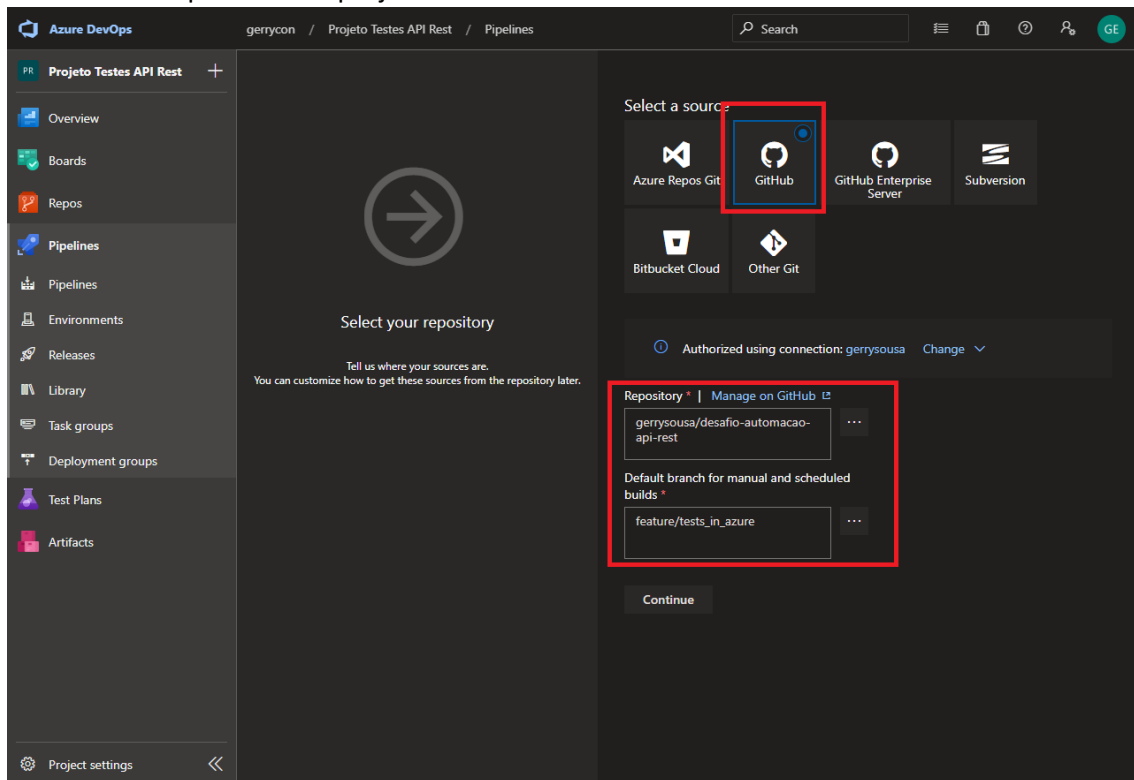


The screenshot shows the 'New pipeline' page in Azure DevOps. The left sidebar is the same as the previous image. The main area is titled 'New pipeline' and has a sub-header 'Where is your code?'. It lists several options for connecting to code repositories:

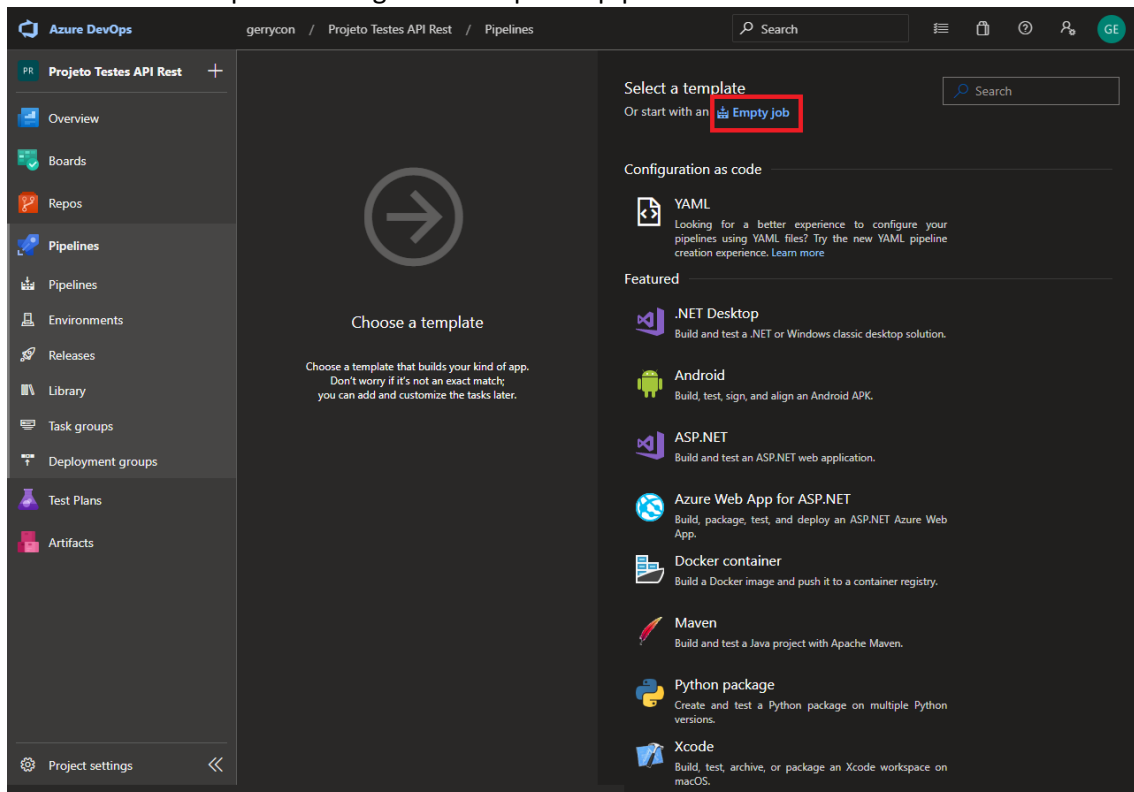
- Azure Repos Git (YAML) - Free private Git repositories, pull requests, and code search
- Bitbucket Cloud (YAML) - Hosted by Atlassian
- GitHub (YAML) - Home to the world's largest community of developers
- GitHub Enterprise Server (YAML) - The self-hosted version of GitHub Enterprise
- Other Git - Any generic Git repository
- Subversion - Centralized version control by Apache

A red box highlights the option 'Use the classic editor to create a pipeline without YAML' at the bottom of the list.

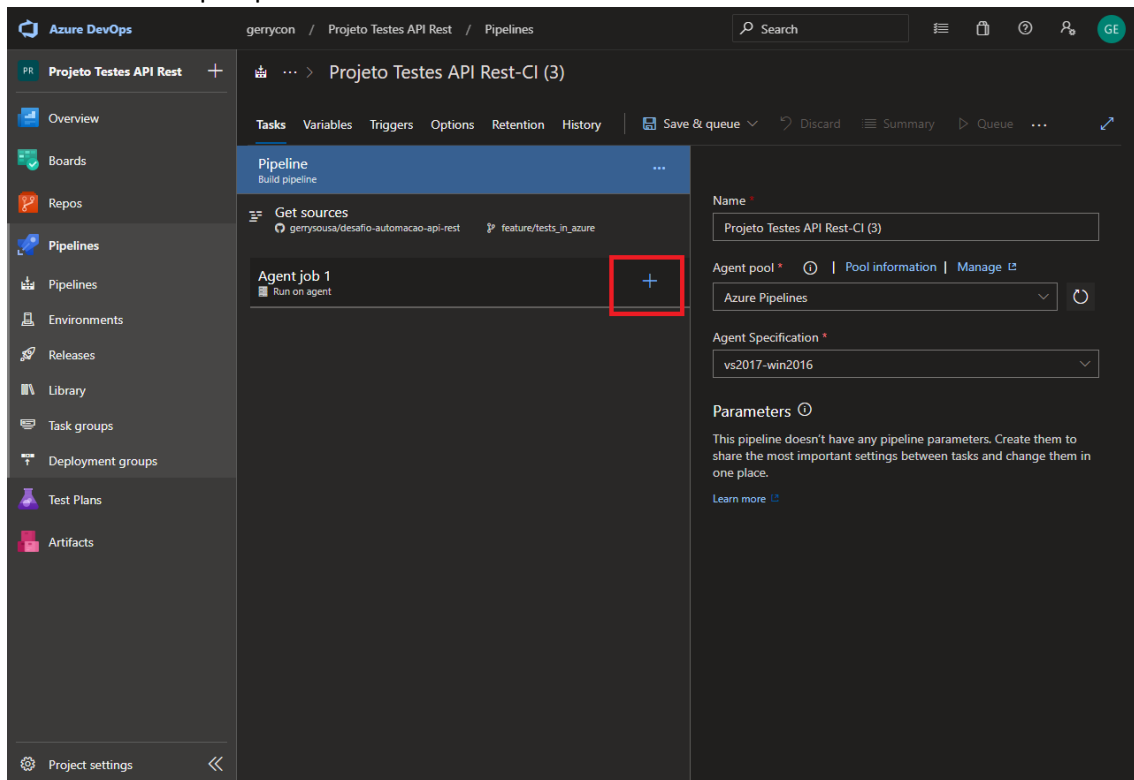
Selecionar o repositório do projeto de testes:



Criar um Job vazio para a configurar as etapas do pipeline:

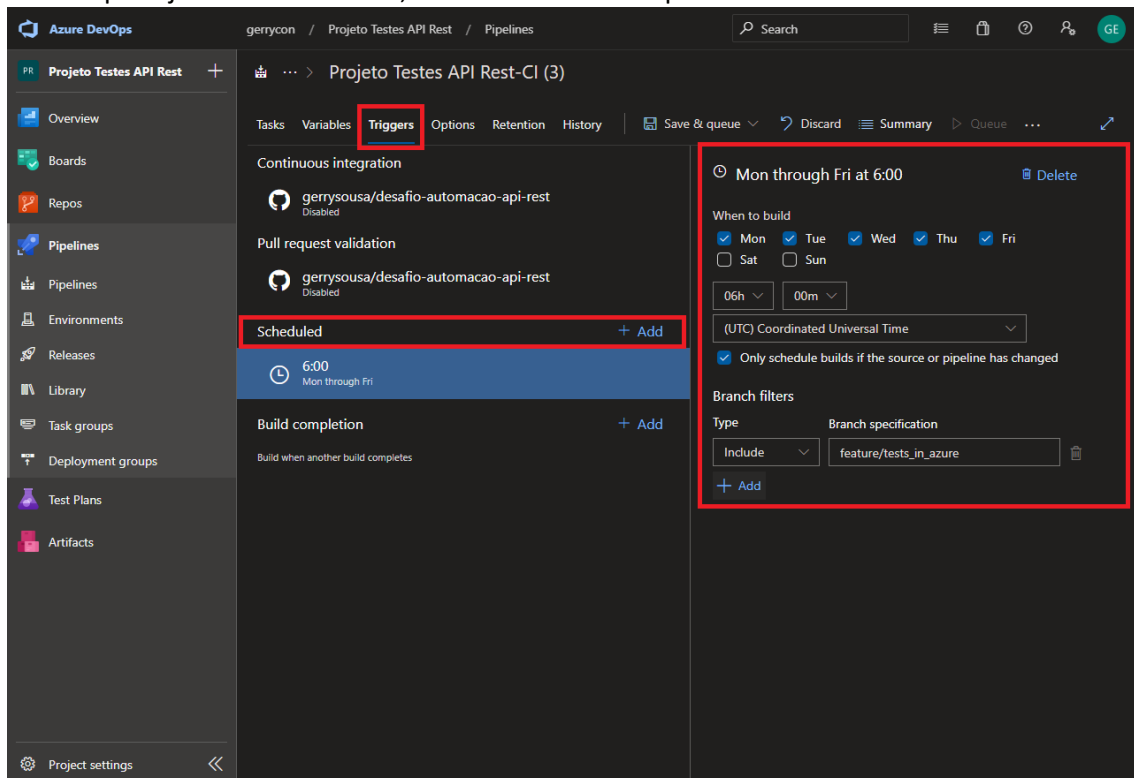


Adicionar as etapas que serão executadas no Job:



The screenshot shows the Azure DevOps interface for a pipeline named 'Projeto Testes API Rest-CI (3)'. The left sidebar contains navigation links for Overview, Boards, Repos, Pipelines, Environments, Releases, Library, Task groups, Deployment groups, Test Plans, and Artifacts. The main area displays the 'Tasks' tab for 'Agent job 1', which currently has one task: 'Get sources'. A red box highlights a '+' icon next to the task list, indicating where to click to add new tasks. The right sidebar shows pipeline settings, including Name, Agent pool, Agent Specification, and Parameters.

Caso queira agendar os testes para executar certos horários, vá na aba “Triggers” e selecione os dias que o job será executado, e também o horário que será executado:



The screenshot shows the Azure DevOps interface for the same pipeline, but with the 'Triggers' tab selected. The 'Triggers' tab is highlighted with a red box. Below the 'Triggers' tab, there are sections for 'Continuous integration', 'Pull request validation', and 'Scheduled'. The 'Scheduled' section is highlighted with a red box, showing a trigger configured for '6:00 Mon through Fri'. To the right of the 'Scheduled' section, a detailed configuration panel is visible, also highlighted with a red box. This panel includes options for 'When to build' (Mon through Fri at 6:00), 'Branch filters' (Include feature/tests_in_azure), and a checkbox for 'Only schedule builds if the source or pipeline has changed'.

NuGet é o gerenciador de pacotes que irá obter as dependências do seu projeto:

Azure DevOps

gerrycon / Projeto Testes API Rest / Pipelines

Projeto Testes API Rest

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Projeto Testes API Rest-CI (3)

Tasks Variables Triggers Options Retention History

Pipeline Build pipeline

Get sources

germysousa/desafio-automacao-api-rest feature/testes_in_azure

Agent job 1 Run on agent

NuGet restore

Build solution ***.sln

Visual Studio build

VsTest - testAssemblies

Visual Studio Test

Publish Pipeline Artifact

Publish Pipeline Artifacts

NuGet

Task version 2.*

Display name * NuGet restore

Command * restore

Path to solution, packages.config, or project.json * DesafioAutomacaoApiRest.sln

Feeds and authentication

Feeds to use * Feed(s) I select here Feeds in my NuGet.config

Use packages from this Azure Artifacts/TFS feed

Use packages from NuGet.org

Advanced

Disable local cache

Disable parallel processing

Destination directory

Verbosity Detailed

Control Options

Enabled

Continue on error

Timeout * 0

Run this task Only when all previous tasks have succeeded

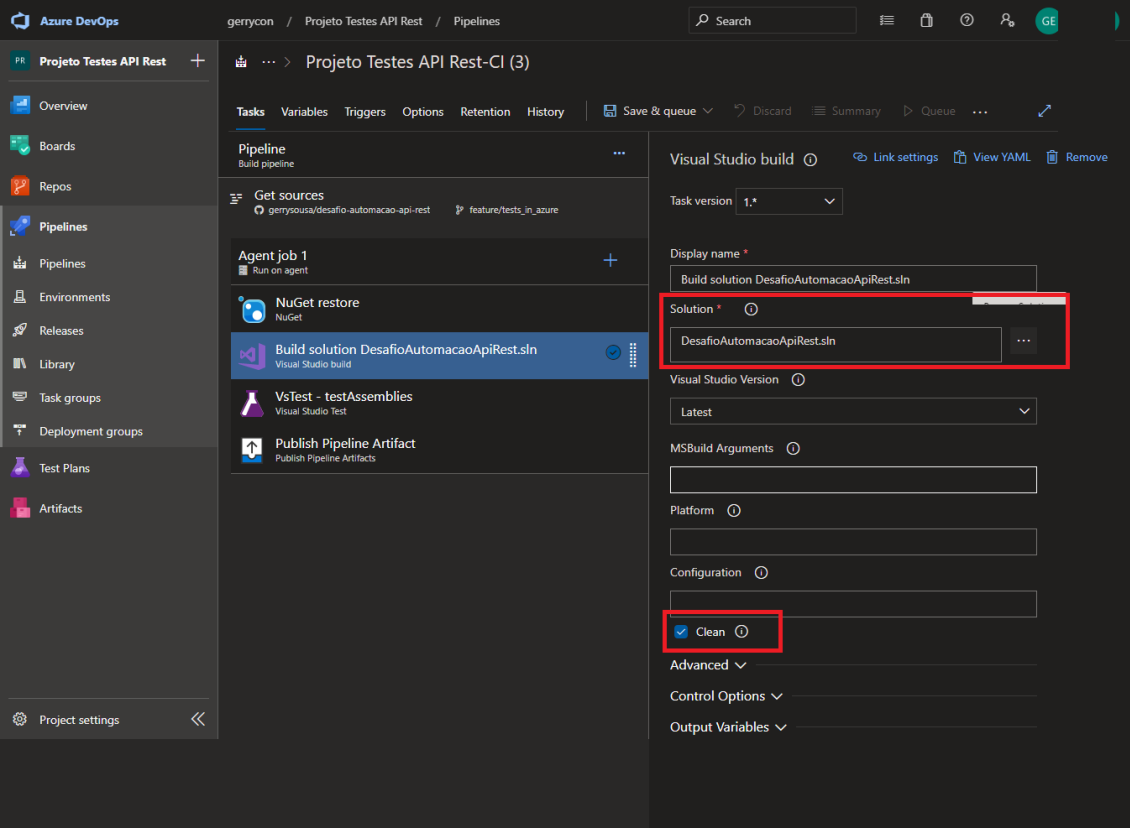
Output Variables

Reference name

Variables list

There are no output variables associated with this task. Learn more about output variables

O projeto será compilado pelo Build do Visual Studio



VsTest irá executar os testes do seu projeto:

PR

Projeto Testes API Rest

+

Overview

Boards

Repos

Pipelines

Pipelines

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Search

...

Projeto Testes API Rest-CI (3)

Tasks

Variables

Triggers

Options

Retention

History

Pipeline

Build pipeline

...

Get sources

gerrycon\desafio-automacao-api-rest

feature\tests_in_azure

Agent job 1

Run on agent

+

NuGet restore

NuGet

Build solution DesafioAutomacaoA...

Visual Studio build

VsTest - testAssemblies

Visual Studio Test

Publish Pipeline Artifact

Publish Pipeline Artifacts

Save & queue

Discard

Summary

Queue

...

Visual Studio Test

Link settings

View YAML

Remove

Task version

2*

▼

Display name *

VsTest - testAssemblies

Test selection

^

Select tests using *

Test assemblies

▼

Test files *

...

**\DesafioAutomacaoApiRest.dll

Search folder *

...

\$(System.DefaultWorkingDirectory)\DesafioAutomacaoApiRest\bin\Debug

Test results folder

...

\$(Agent.TempDirectory)\TestResults

Test filter criteria

...

☐ Run only impacted tests

☐ Test mix contains UI tests

Execution options

^

Select test platform using

...

☒ Version

☐ Specific location

Test platform version

...

Latest

▼

Settings file

...

...

Override test run parameters

...

...

Path to custom test adapters

...

☐ Run tests in parallel on multi-core machines

☐ Run tests in isolation

☐ Code coverage enabled

Other console options

...

☐ Collect advanced diagnostics in case of catastrophic failures

☐ Rerun failed tests

Advanced execution options

▼

Reporting options

^

Test run title

...

Build platform

...

Build configuration

...

☒ Upload test attachments

☐ Fail the task if a minimum number of tests are not run.

Control Options

^

☒ Enabled

☒ Continue on error

Timeout *

...

0

Run this task

...

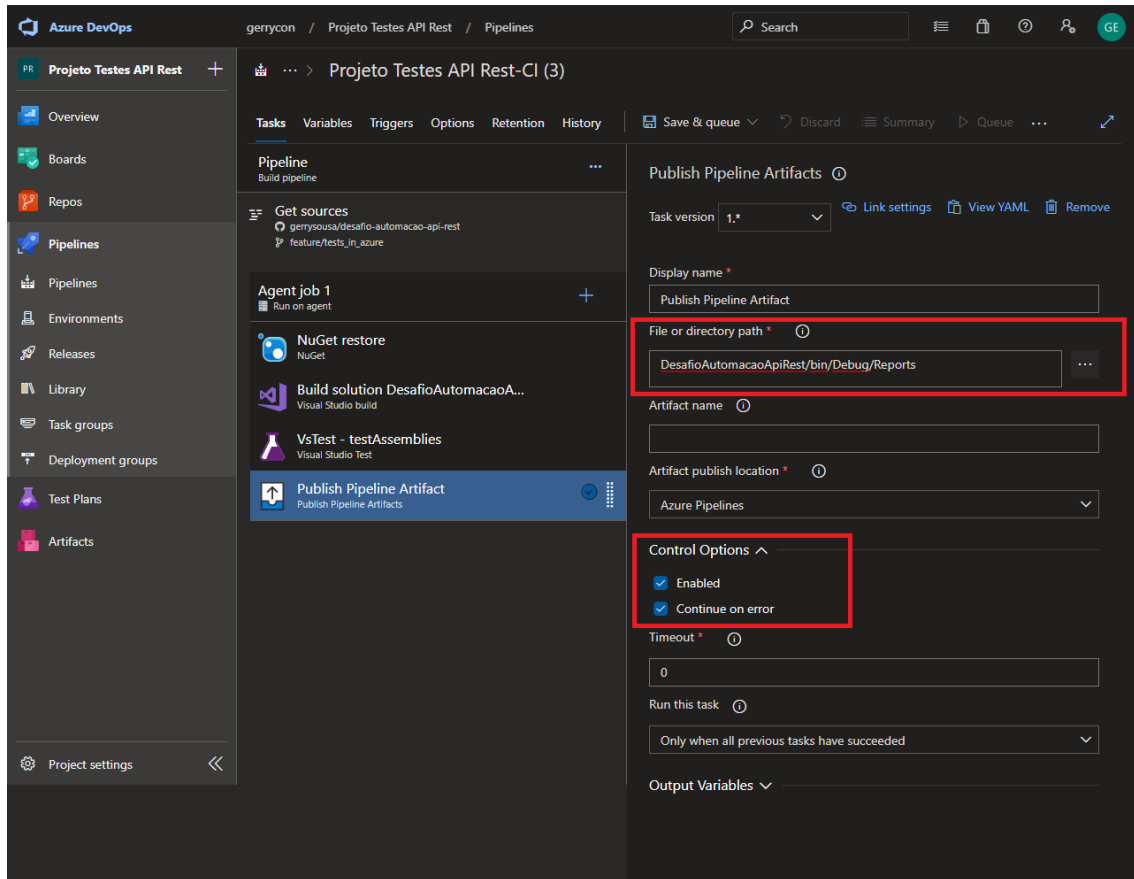
Only when all previous tasks have succeeded

▼

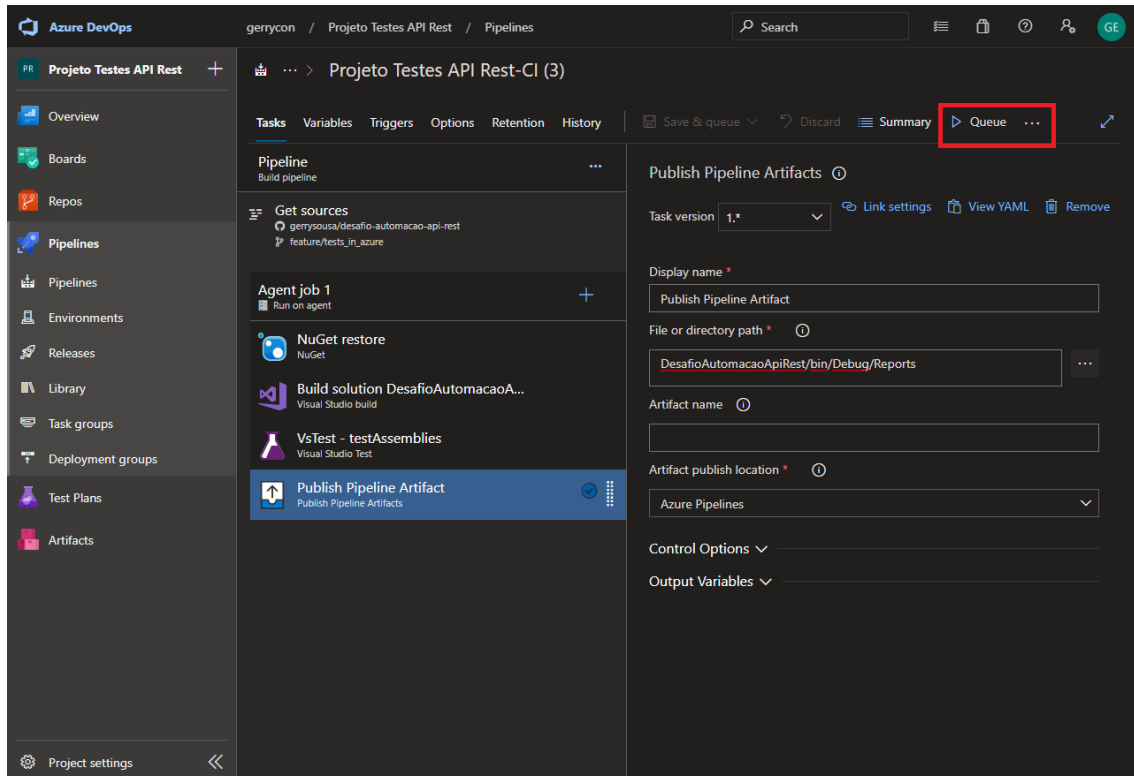
Output Variables

▼

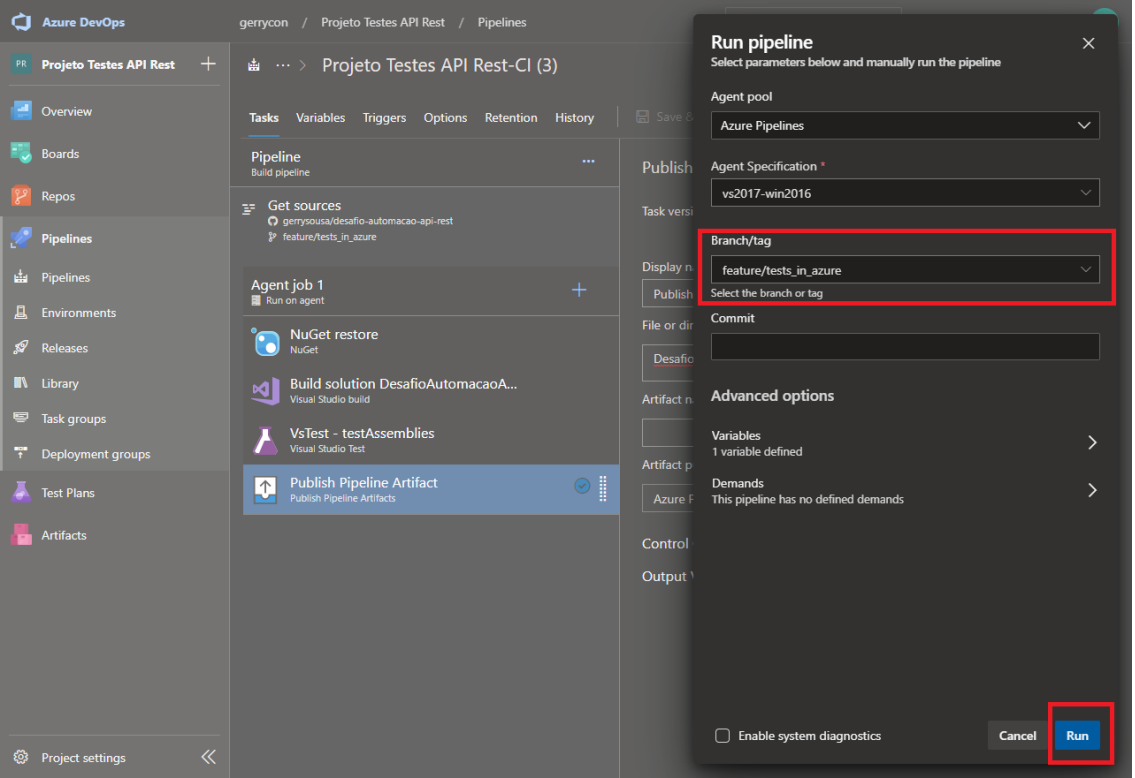
O Publish irá publicar um zip com os relatórios gerado pela automação, vinculado à execução do Job:



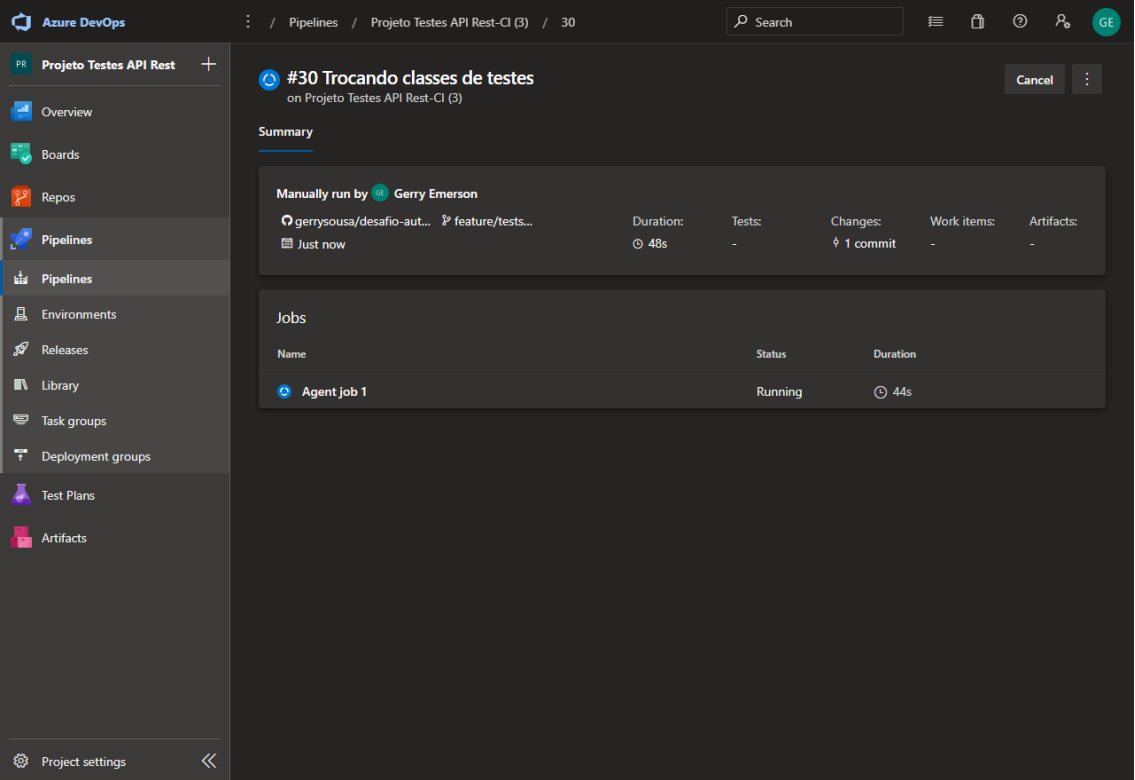
Para executar Manualmente o Job basta Acionar o Botão “Queue”:



Existe a opção de escolher uma “branch” específica para o teste ser executado, após selecionar acionar o botão “RUN”:



O processo é iniciado, e podemos ver o Job em andamento:



Podemos obter os relatórios da execução dos testes pelo número da execução:

Azure DevOps

/ Pipelines / Projeto Testes API Rest-CI (3) / 30

Search

PR Projeto Testes API Rest +

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Project settings

Jobs in run #30

Projeto Testes API Rest-CI (3)

Jobs

✓ Agent job 1	1m 37s
Initialize job	5s
Checkout gerrys...	7s
NuGet restore	27s
Build solution D...	23s
VsTest - testAss...	24s
Publish Pipeline ...	7s
Post-job: Check...	<1s
Finalize Job	<1s

Agent job 1

View raw log

```
1 Pool: Azure Pipelines
2 Image: vs2017-win2016
3 Agent: Hosted Agent
4 Started: Just now
5 Duration: 1m 37s
6
7 Job preparation parameters
8 fx 1 queue time variable used
9 1 artifact produced
10 100% tests passed
11 Job live console data:
12 Finishing: Agent job 1
```