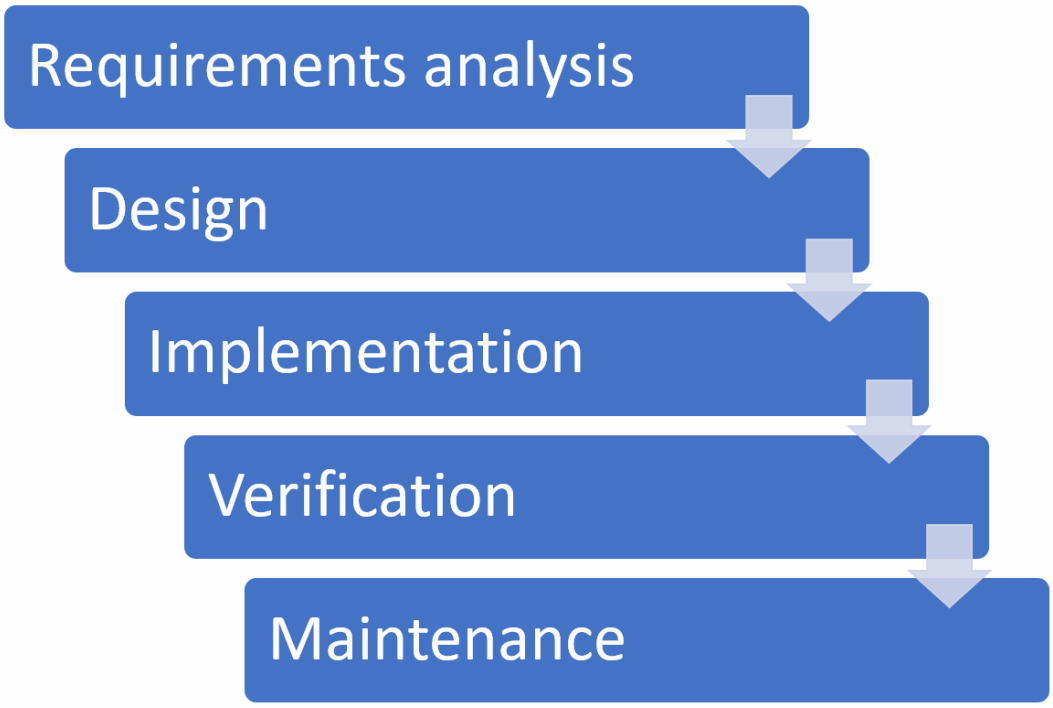
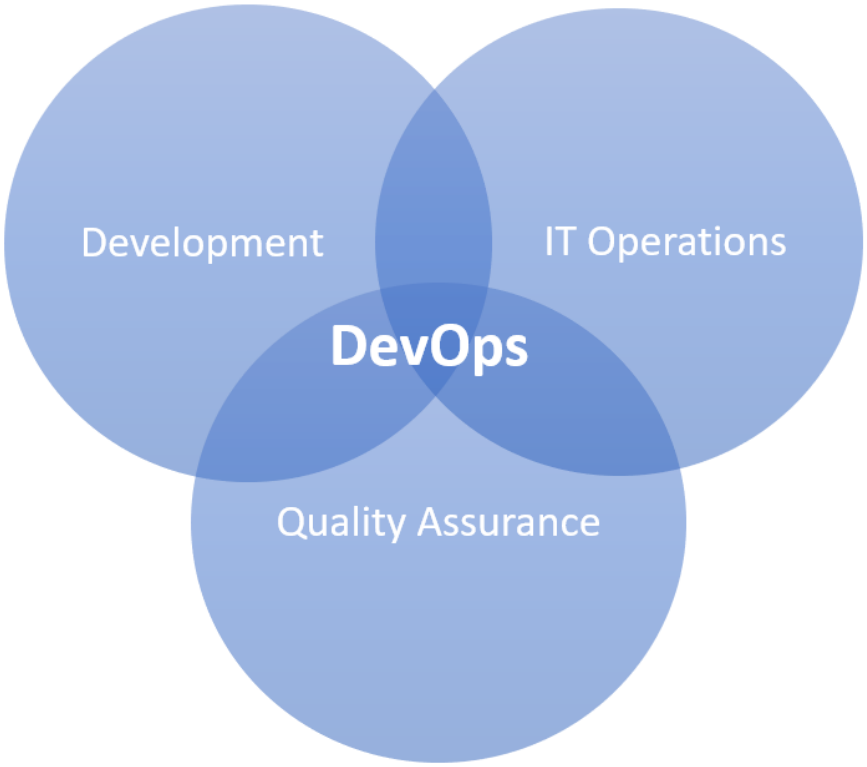
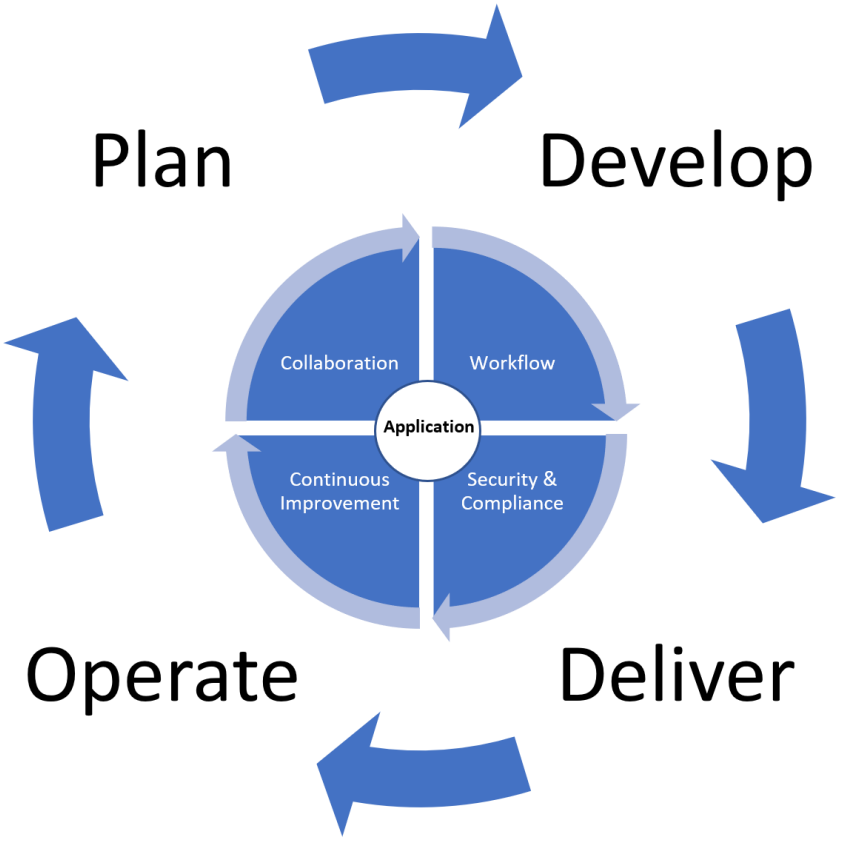
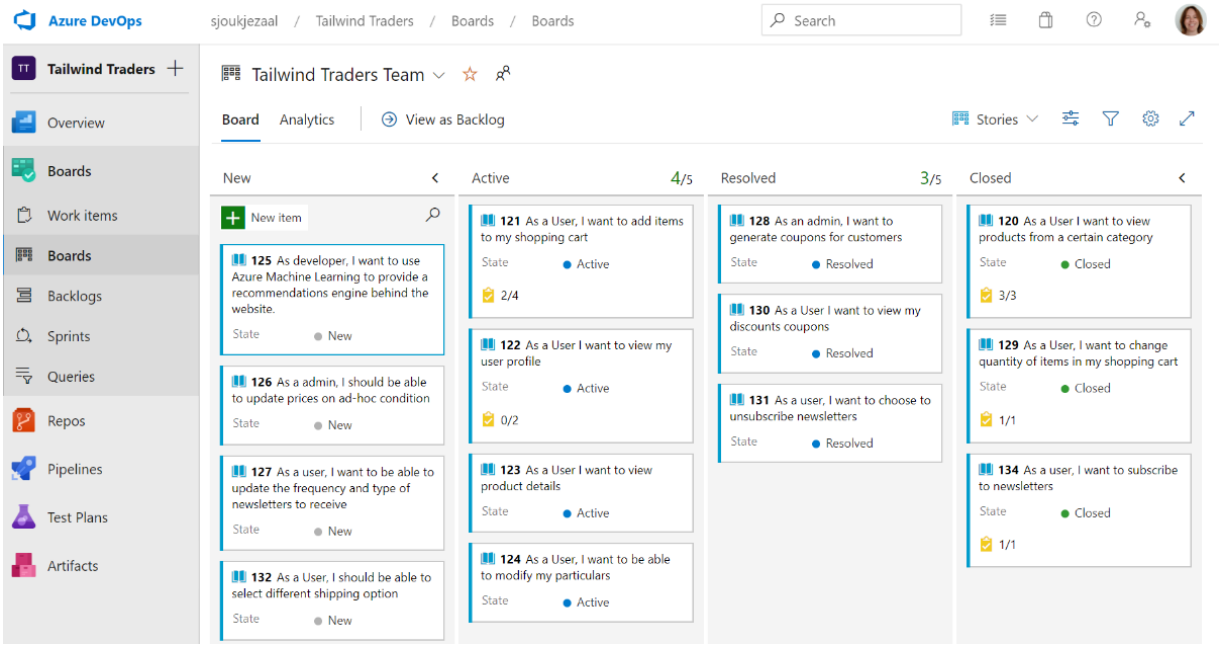
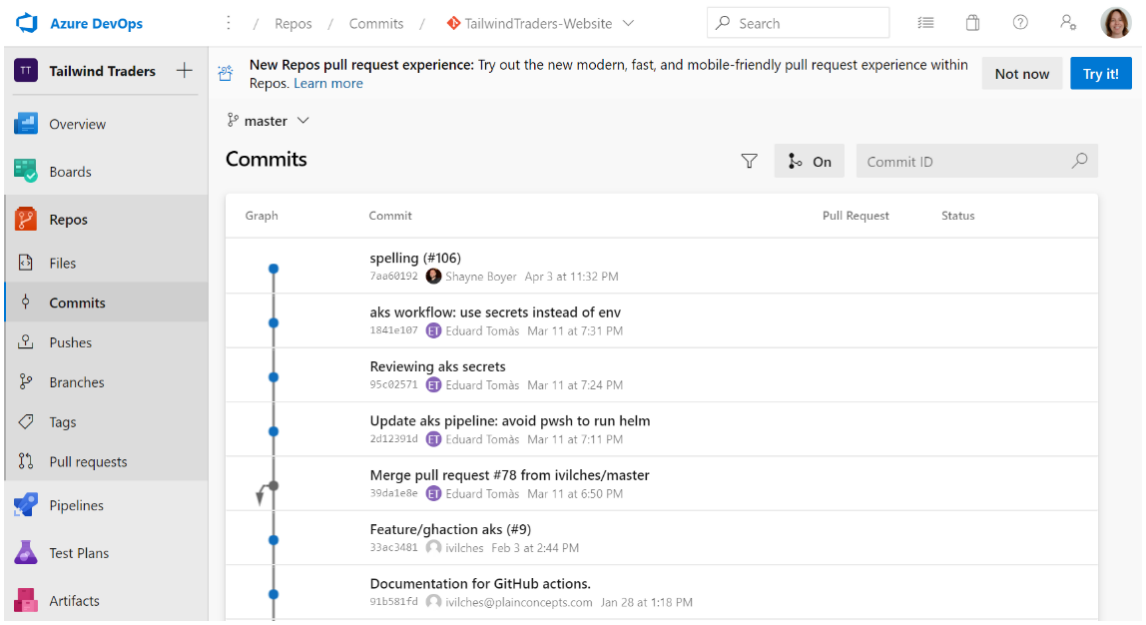
Chapter 1: Azure DevOps Overview

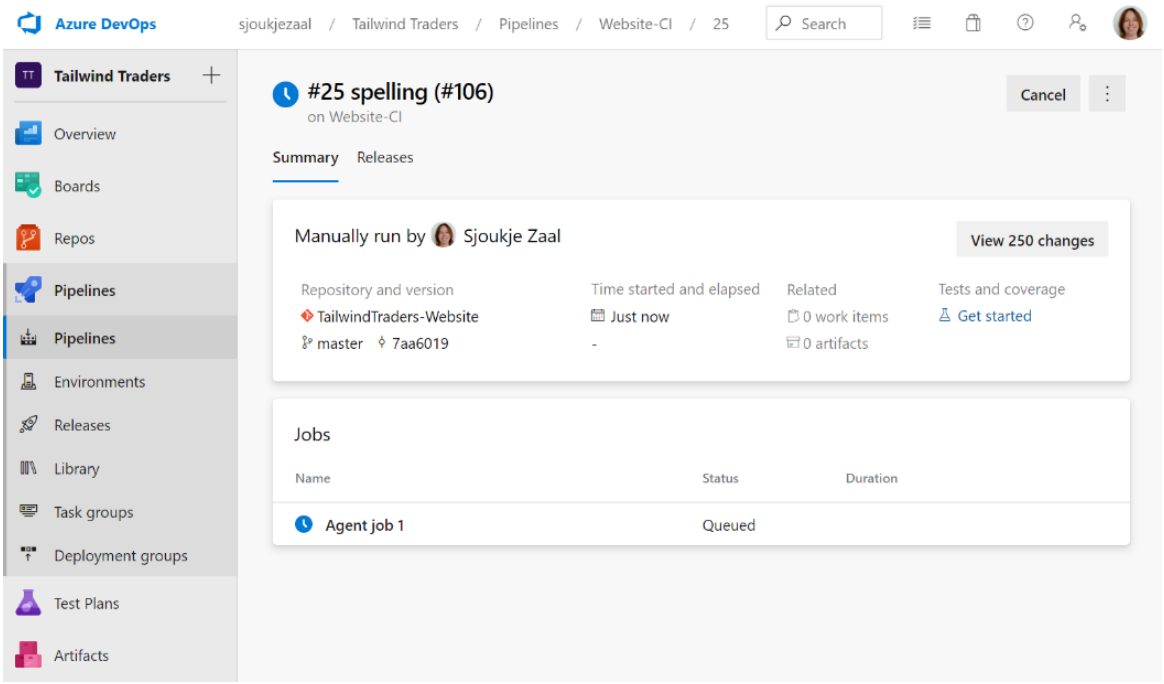


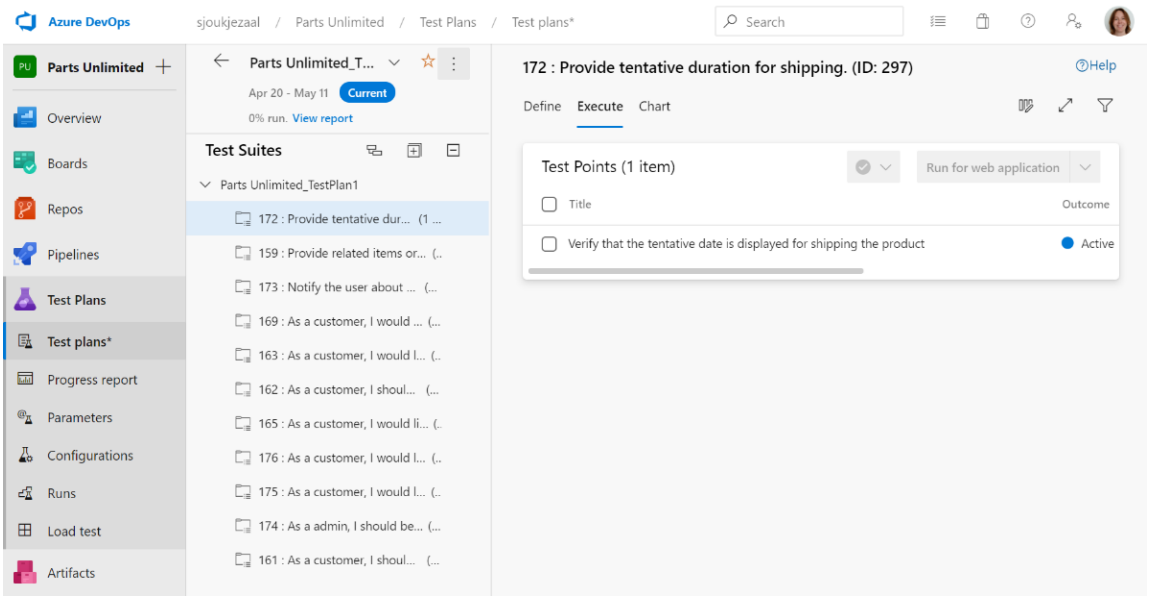


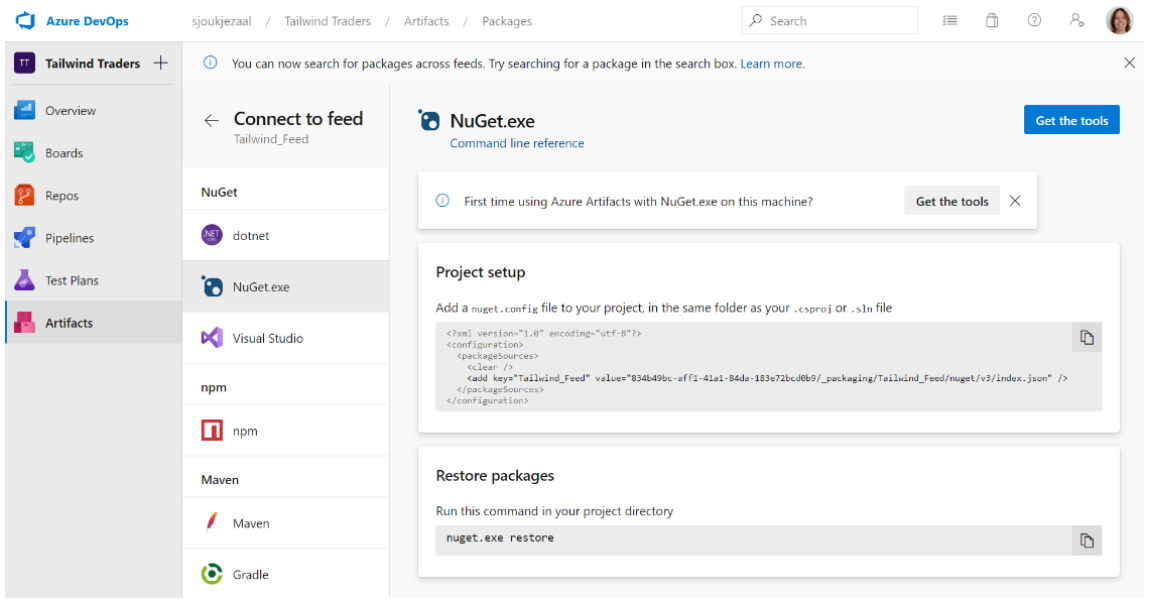

Plan
Develop
Collaboration
Workflow
Application
Continuous Improvement
Security & Compliance
Operate
Deliver

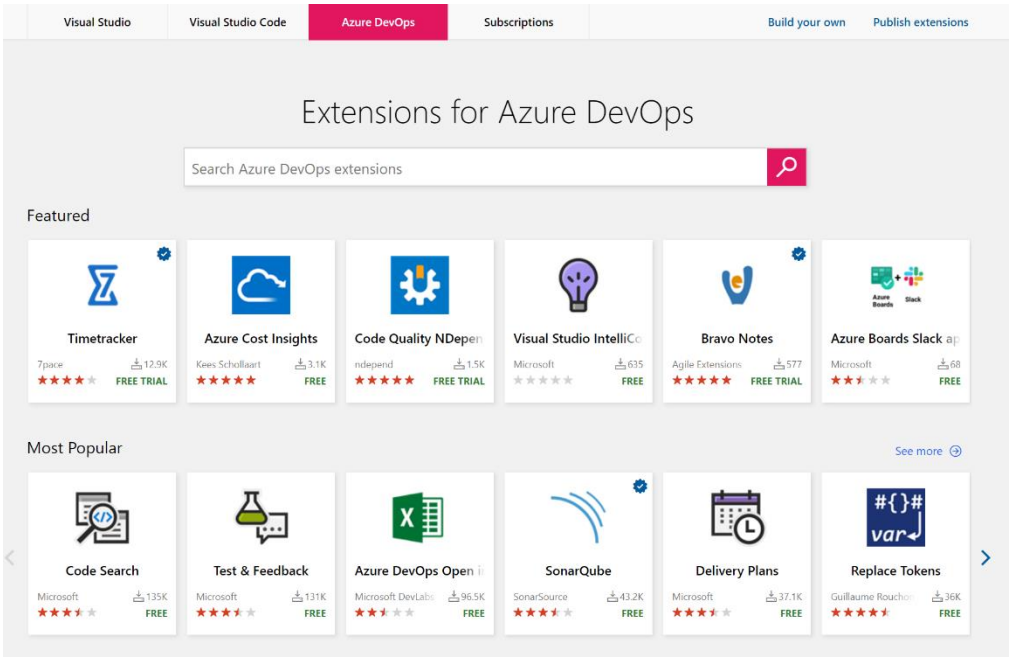

Azure DevOps
sjoukjezaal / Tailwind Traders / Boards / Boards
Search
Tailwind Traders
Overview
Boards
Work items
Boards
Backlogs
Sprints
Queries
Repos
Pipelines
Test Plans
Artifacts
Tailwind Traders Team
Board
Analytics
View as Backlog
Stories
New
Active 4/5
Resolved 3/5
Closed
New item
125 As developer, I want to use Azure Machine Learning to provide a recommendations engine behind the website.
State New
126 As a admin, I should be able to update prices on ad-hoc condition
State New
127 As a user, I want to be able to update the frequency and type of newsletters to receive
State New
132 As a User, I should be able to select different shipping option
State New
121 As a User, I want to add items to my shopping cart
State Active
2/4
122 As a User I want to view my user profile
State Active
0/2
123 As a User I want to view product details
State Active
124 As a User, I want to be able to modify my particulars
State Active
128 As an admin, I want to generate coupons for customers
State Resolved
130 As a User I want to view my discounts coupons
State Resolved
131 As a user, I want to choose to unsubscribe newsletters
State Resolved
120 As a User I want to view products from a certain category
State Closed
3/3
129 As a User, I want to change quantity of items in my shopping cart
State Closed
1/1
134 As a user, I want to subscribe to newsletters
State Closed
1/1


Azure DevOps
Repos / Commits / TailwindTraders-Website
Search
Tailwind Traders
New Repos pull request experience: Try out the new modern, fast, and mobile-friendly pull request experience within Repos. Learn more
Not now
Try it!
Overview
Boards
Repos
Files
Commits
Pushes
Branches
Tags
Pull requests
Pipelines
Test Plans
Artifacts
master
Commits
On
Commit ID
Graph
Commit
Pull Request
Status
spelling (#106)
7aa60192 Shayne Boyer Apr 3 at 11:32 PM
aks workflow: use secrets instead of env
1841e107 Eduard Tomàs Mar 11 at 7:31 PM
Reviewing aks secrets
95c02571 Eduard Tomàs Mar 11 at 7:24 PM
Update aks pipeline: avoid pwsh to run helm
2d12391d Eduard Tomàs Mar 11 at 7:11 PM
Merge pull request #78 from ivilches/master
39da1e8e Eduard Tomàs Mar 11 at 6:50 PM
Feature/ghaction aks (#9)
33ac3481 ivilches Feb 3 at 2:44 PM
Documentation for GitHub actions.
91b581fd ivilches@plainconcepts.com Jan 28 at 1:18 PM


Azure DevOps
sjoukjezaal / Tailwind Traders / Pipelines / Website-CI / 25
Search
Tailwind Traders
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Releases
Library
Task groups
Deployment groups
Test Plans
Artifacts
#25 spelling (#106)
on Website-CI
Cancel
Summary
Releases
Manually run by Sjoukje Zaal
View 250 changes
Repository and version
TailwindTraders-Website
master 7aa6019
Time started and elapsed
Just now
-
Related
0 work items
0 artifacts
Tests and coverage
Get started
Jobs
Name
Status
Duration
Agent job 1
Queued


Azure DevOps
sjoukjezaal / Parts Unlimited / Test Plans / Test plans*
Search
Parts Unlimited
Overview
Boards
Repos
Pipelines
Test Plans
Test plans*
Progress report
Parameters
Configurations
Runs
Load test
Artifacts
Parts Unlimited_T...
Apr 20 - May 11
Current
0% run. View report
Test Suites
Parts Unlimited_TestPlan1
172 : Provide tentative dur... (1 ...
159 : Provide related items or... (..
173 : Notify the user about ... (...
169 : As a customer, I would ... (...
163 : As a customer, I would l... (..
162 : As a customer, I shoul... (...
165 : As a customer, I would li... (..
176 : As a customer, I would l... (..
175 : As a customer, I would l... (..
174 : As a admin, I should be... (...
161 : As a customer, I shoul... (...
172 : Provide tentative duration for shipping. (ID: 297)
Help
Define
Execute
Chart
Test Points (1 item)
Run for web application
Title
Outcome
Verify that the tentative date is displayed for shipping the product
Active


Azure DevOps
sjoukjezaal / Tailwind Traders / Artifacts / Packages
Search
Tailwind Traders
Overview
Boards
Repos
Pipelines
Test Plans
Artifacts
You can now search for packages across feeds. Try searching for a package in the search box. Learn more.
Connect to feed
Tailwind_Feed
NuGet
dotnet
NuGet.exe
Visual Studio
npm
npm
Maven
Maven
Gradle
NuGet.exe
Command line reference
Get the tools
First time using Azure Artifacts with NuGet.exe on this machine?
Get the tools
Project setup
Add a nuget.config file to your project, in the same folder as your .csproj or .sln file
<?xml version="1.0" encoding="utf-8"?>
<configuration>
<packageSources>
<clear />
<add key="Tailwind_Feed" value="834b49bc-aff1-41e1-84da-183e72bcd0b9/_packaging/Tailwind_Feed/nuget/v3/index.json" />
</packageSources>
</configuration>
Restore packages
Run this command in your project directory
nuget.exe restore



Azure DevOps

AZURE DEVOPS DEMO GENERATOR

Azure DevOps Demo Generator helps you create projects on your Azure DevOps Organization with pre-populated sample content that includes source code, work items, iterations, service endpoints, build and release definitions based on a template you choose. Read more

The purpose of this system is to simplify working with the Azure Devops hands-on-labs, demos and other education material provided by the Microsoft Azure Marketing team.

Sign In

Don't have an Azure DevOps Organization?

Get started for free

New Project Name :

Tailwind Traders

Select Organization :

sjoukjezaal

Selected Template :

Tailwind Traders

Choose template

Azure DevOps Demo Generator now supports GitHub forking!

The selected template includes a GitHub repository. You can choose to fork it or use the existing repo. If you fork, all pipelines will be updated to point to the forked repo.

Yes, I want to fork this repository

Authorize

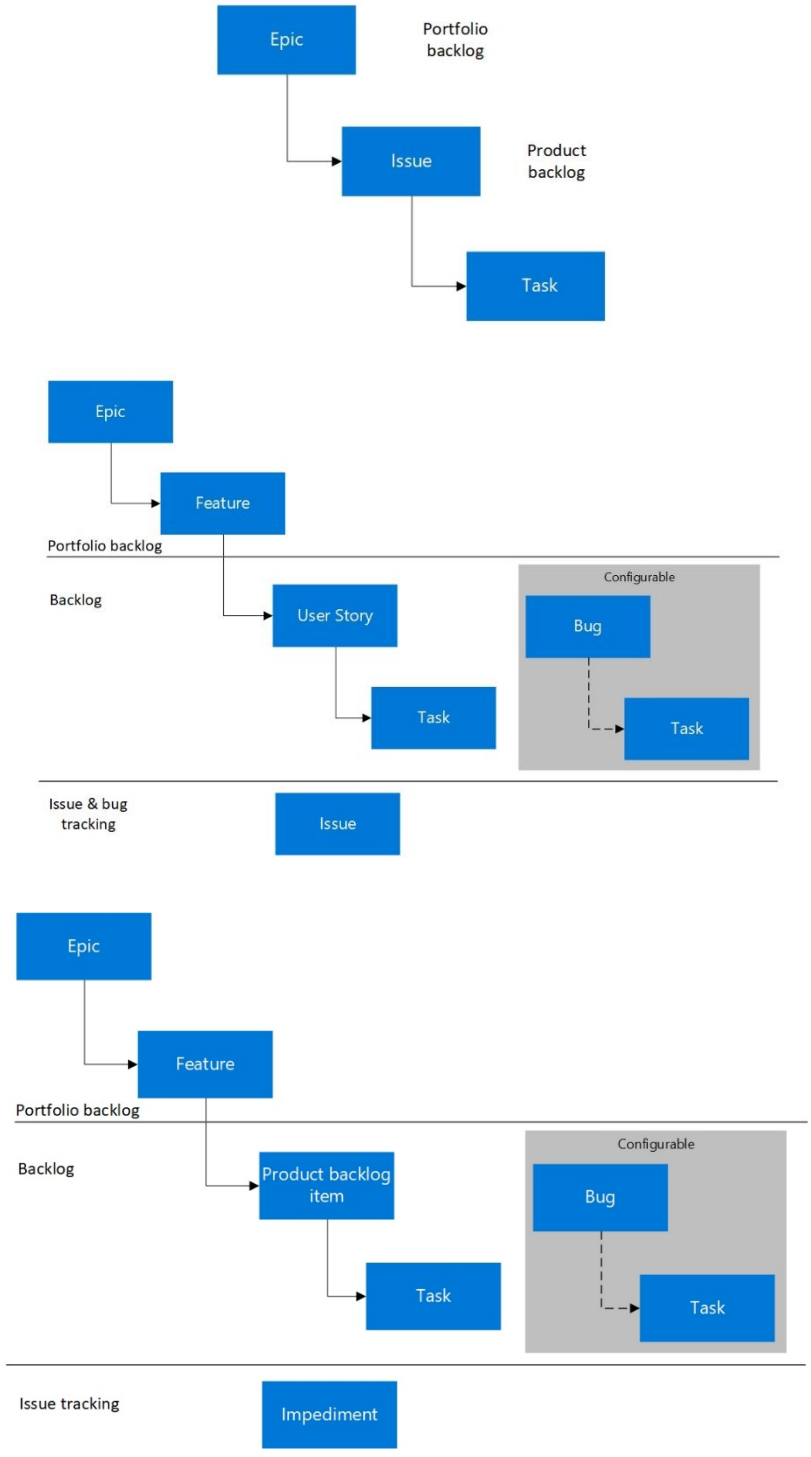
Verifying if all required extension(s) are installed and enabled

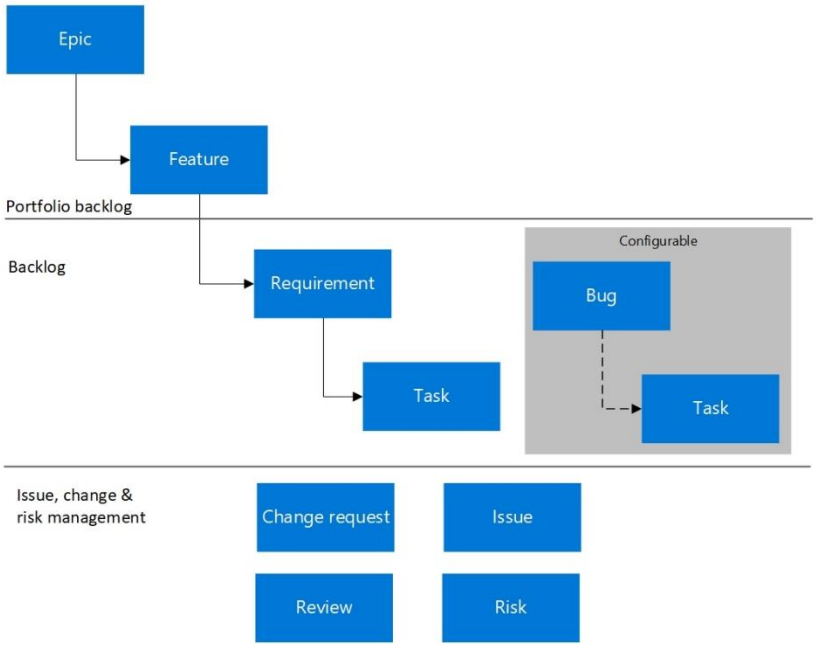
All required extensions are installed/enabled in your Azure DevOps Organization.

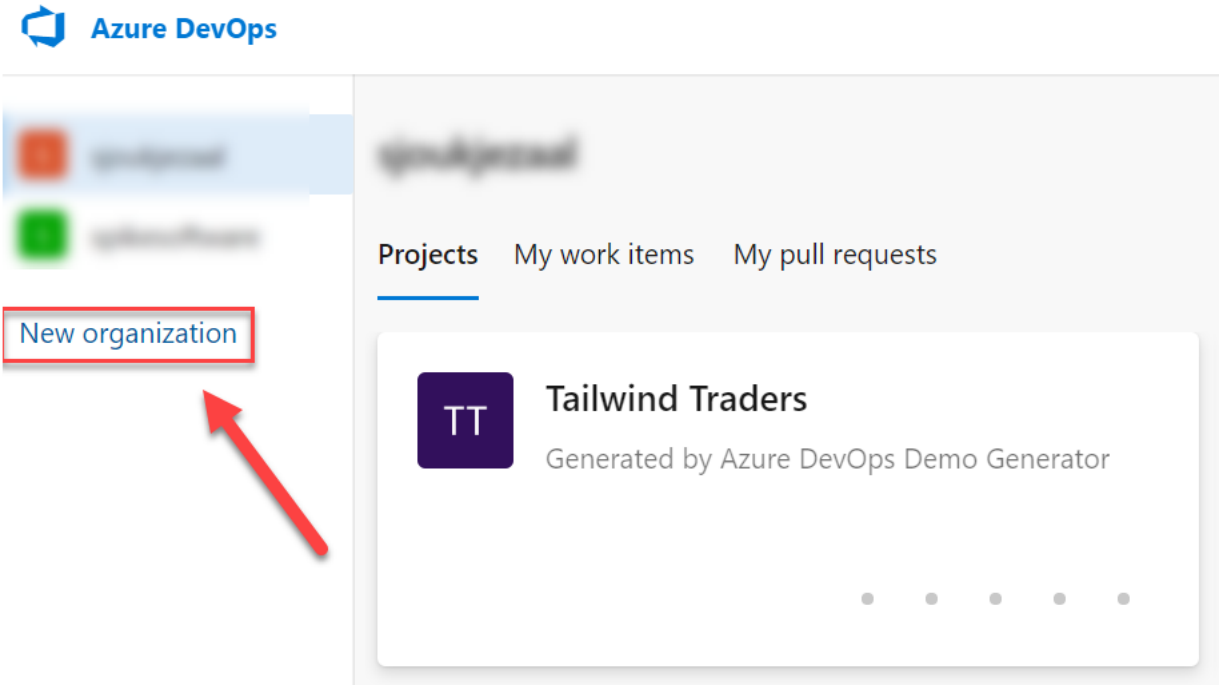
ARM Outputs

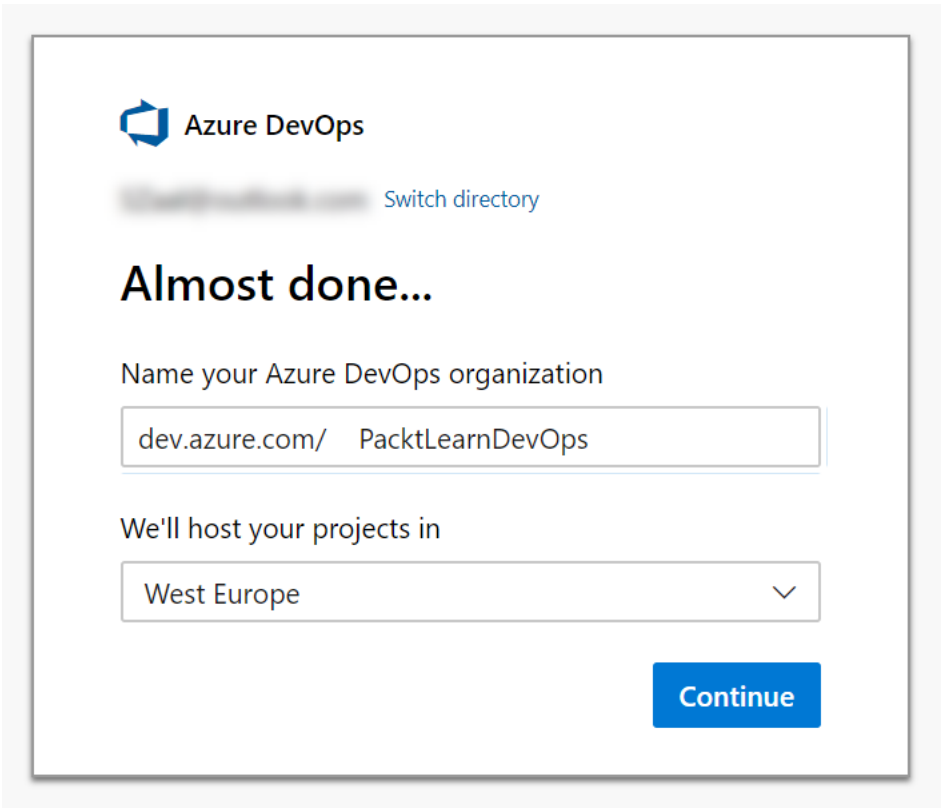
Create Project

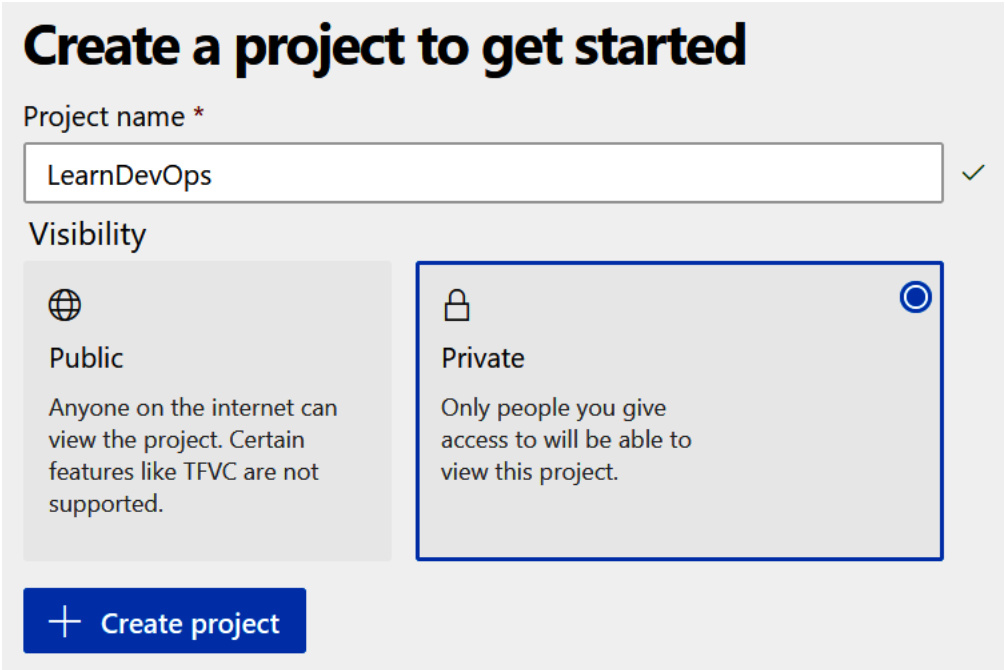
Chapter 2: Managing Projects with Azure DevOps Boards

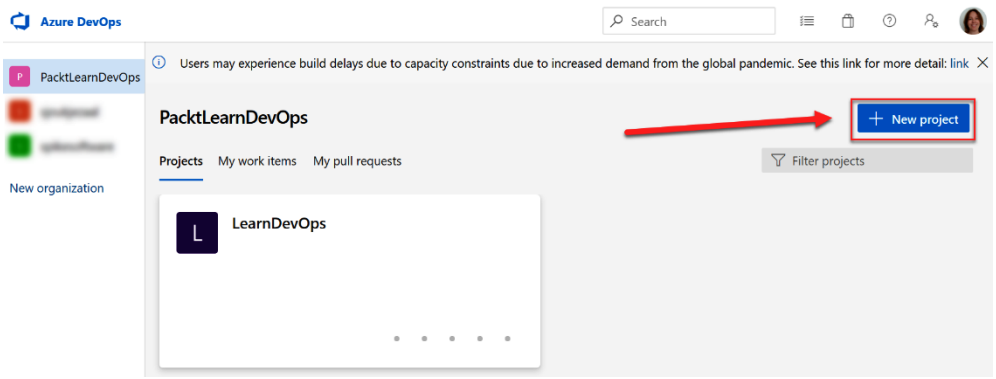


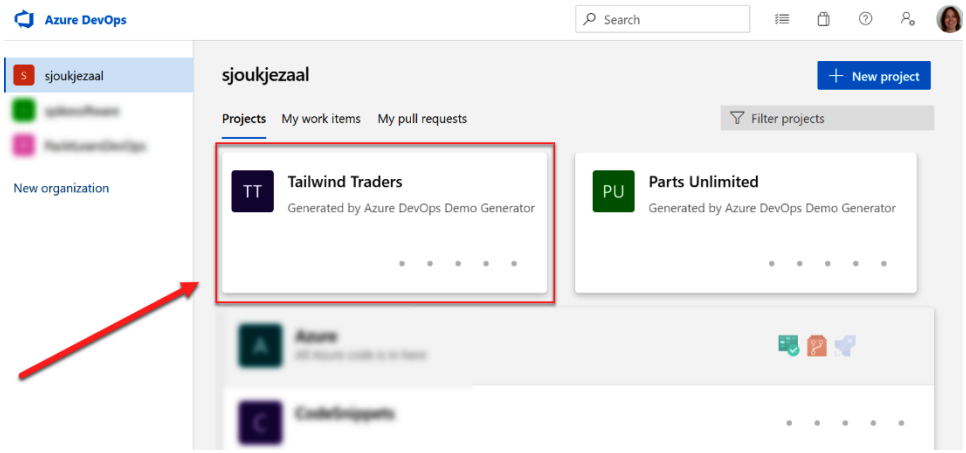

Epic
Feature
Portfolio backlog
Backlog
Requirement
Task
Configurable
Bug
Task
Issue, change &
risk management
Change request
Issue
Review
Risk

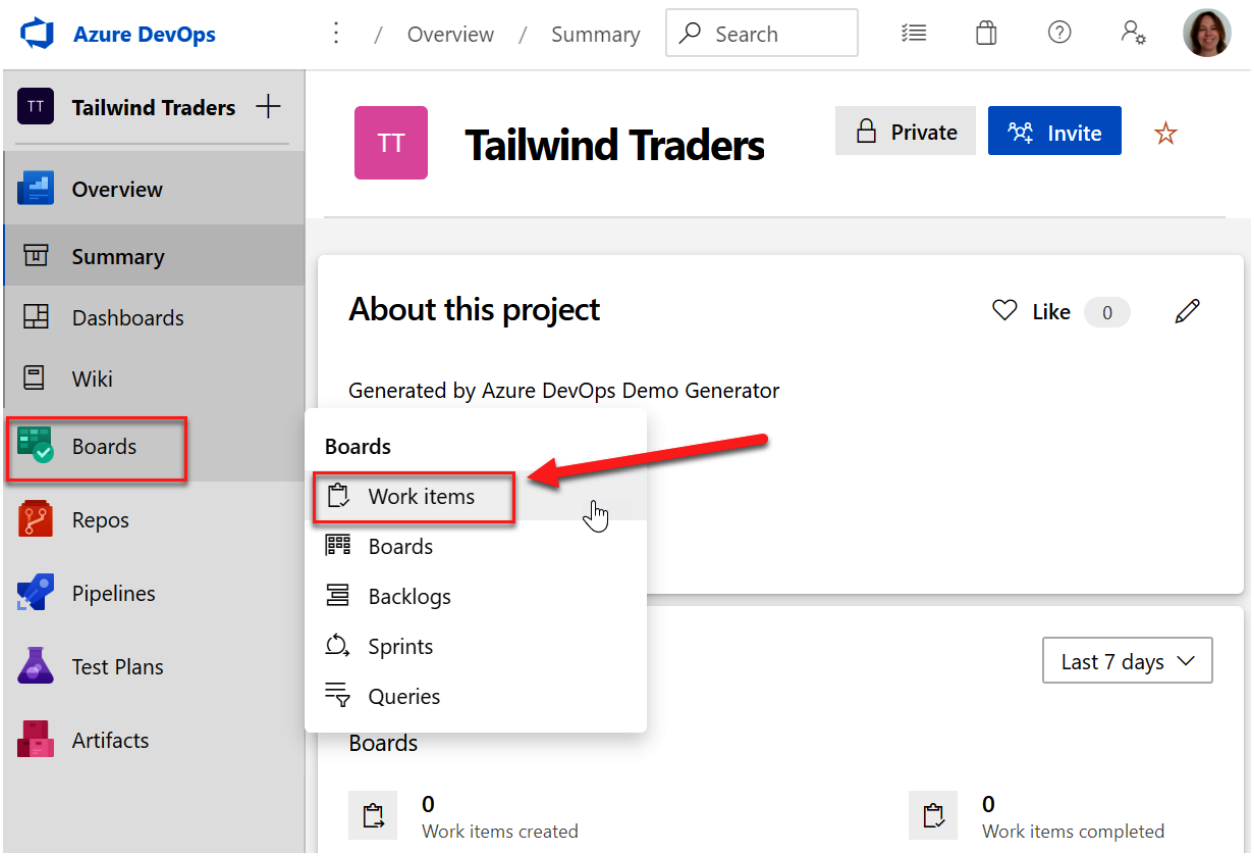

Azure DevOps
New organization
Projects
My work items
My pull requests
TT
Tailwind Traders
Generated by Azure DevOps Demo Generator

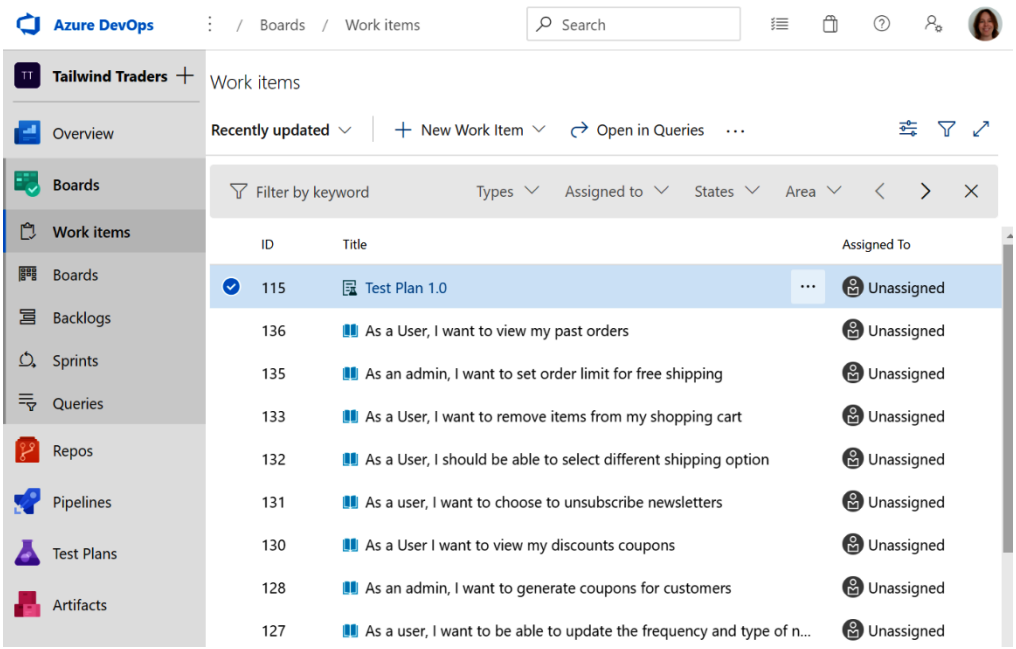

Azure DevOps
Switch directory
Almost done...
Name your Azure DevOps organization
dev.azure.com/ PacktLearnDevOps
We'll host your projects in
West Europe
Continue

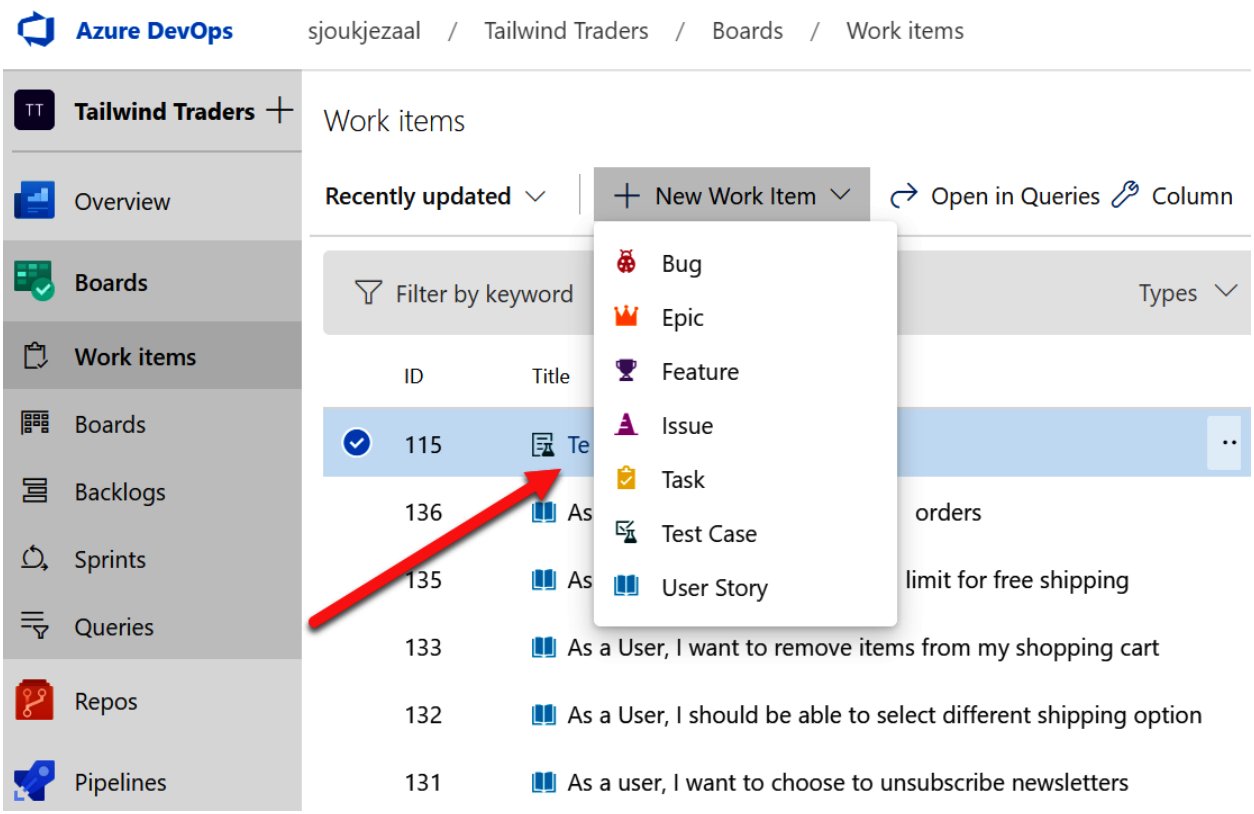

Create a project to get started
Project name *
LearnDevOps
Visibility
Public
Anyone on the internet can view the project. Certain features like TFVC are not supported.
Private
Only people you give access to will be able to view this project.
Create project

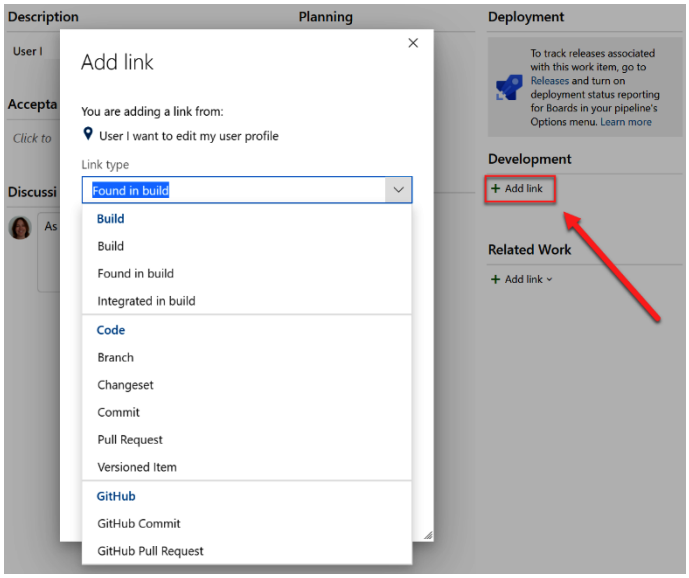

Azure DevOps
Search
PacktLearnDevOps
Users may experience build delays due to capacity constraints due to increased demand from the global pandemic. See this link for more detail: link
New organization
PacktLearnDevOps
New project
Projects
My work items
My pull requests
Filter projects
L
LearnDevOps

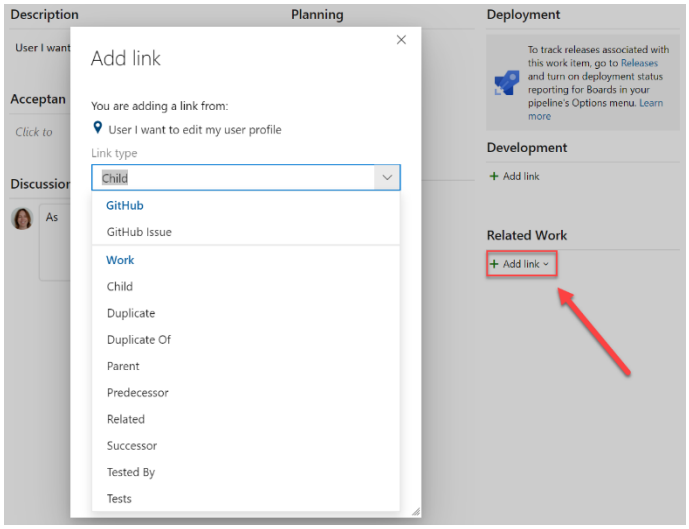

Azure DevOps
Search
sjoukjezaal
New organization
sjoukjezaal
New project
Projects
My work items
My pull requests
Filter projects
TT
Tailwind Traders
Generated by Azure DevOps Demo Generator
PU
Parts Unlimited
Generated by Azure DevOps Demo Generator

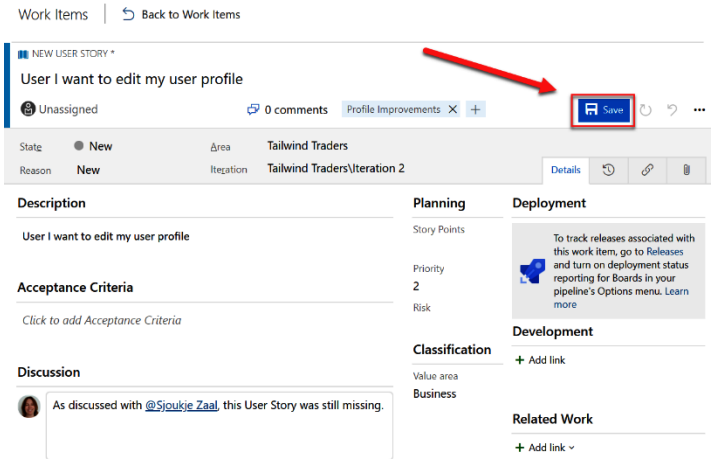

Azure DevOps
Overview
Summary
Search
Tailwind Traders
Overview
Summary
Dashboards
Wiki
Boards
Repos
Pipelines
Test Plans
Artifacts
TT
Tailwind Traders
Private
Invite
About this project
Like
0
Generated by Azure DevOps Demo Generator
Boards
Work items
Boards
Backlogs
Sprints
Queries
Last 7 days
Boards
0
Work items created
0
Work items completed

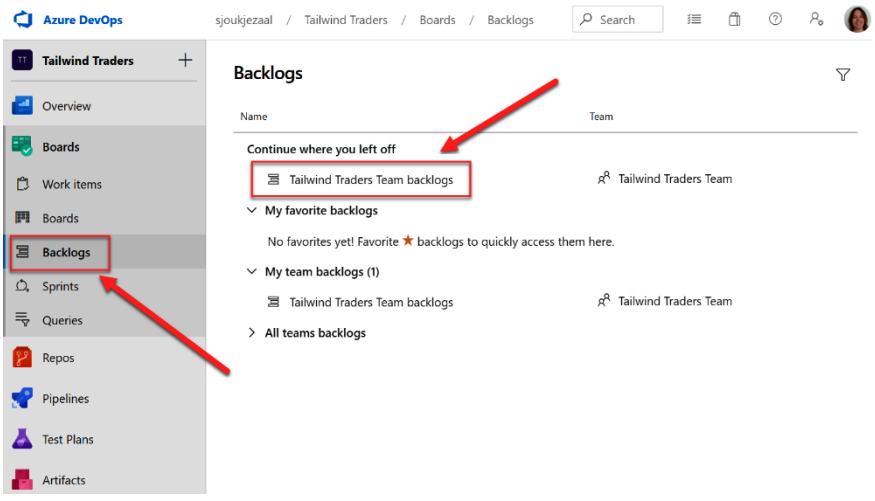

Azure DevOps
Boards
Work items
Search
Tailwind Traders
Work items
Overview
Recently updated
New Work Item
Open in Queries
Boards
Work items
Boards
Backlogs
Sprints
Queries
Repos
Pipelines
Test Plans
Artifacts
Filter by keyword
Types
Assigned to
States
Area
ID
Title
Assigned To
115 Test Plan 1.0 Unassigned
136 As a User, I want to view my past orders Unassigned
135 As an admin, I want to set order limit for free shipping Unassigned
133 As a User, I want to remove items from my shopping cart Unassigned
132 As a User, I should be able to select different shipping option Unassigned
131 As a user, I want to choose to unsubscribe newsletters Unassigned
130 As a User I want to view my discounts coupons Unassigned
128 As an admin, I want to generate coupons for customers Unassigned
127 As a user, I want to be able to update the frequency and type of n... Unassigned

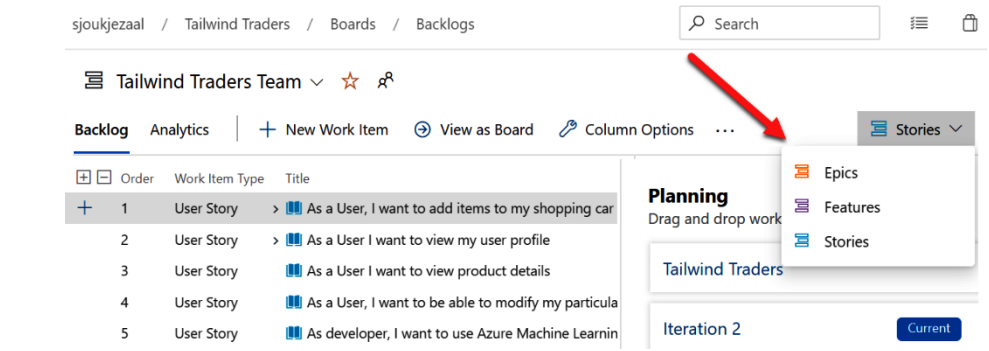

Azure DevOps
sjoukjezaal / Tailwind Traders / Boards / Work items
Tailwind Traders
Overview
Boards
Work items
Boards
Backlogs
Sprints
Queries
Repos
Pipelines
Work items
Recently updated
New Work Item
Open in Queries
Column
Filter by keyword
Types
ID
Title
115
136
135
133
132
131
Bug
Epic
Feature
Issue
Task
Test Case
User Story
orders
limit for free shipping
As a User, I want to remove items from my shopping cart
As a User, I should be able to select different shipping option
As a user, I want to choose to unsubscribe newsletters

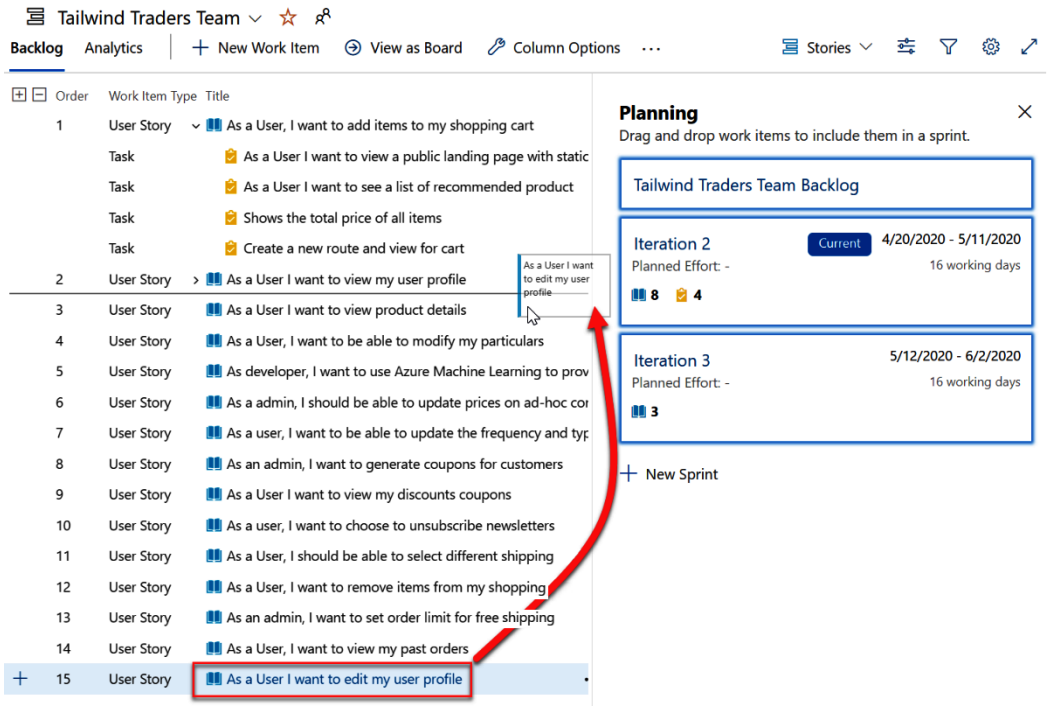

Description
Planning
Deployment
Add link
You are adding a link from:
User I want to edit my user profile
Link type
Found in build
Build
Build
Found in build
Integrated in build
Code
Branch
Changeset
Commit
Pull Request
Versioned Item
GitHub
GitHub Commit
GitHub Pull Request
Development
Add link
Related Work
Add link


Description
Planning
Deployment
Add link
You are adding a link from:
User I want to edit my user profile
Link type
Child
GitHub
GitHub Issue
Work
Child
Duplicate
Duplicate Of
Parent
Predecessor
Related
Successor
Tested By
Tests
To track releases associated with this work item, go to Releases and turn on deployment status reporting for Boards in your pipeline's Options menu. Learn more
Development
+ Add link
Related Work
+ Add link


Work Items
Back to Work Items
NEW USER STORY *
User I want to edit my user profile
Unassigned
0 comments
Profile Improvements
Save
State
New
Reason
New
Area
Tailwind Traders
Iteration
Tailwind Traders\Iteration 2
Details
Description
User I want to edit my user profile
Acceptance Criteria
Click to add Acceptance Criteria
Discussion
As discussed with @Sjoukje Zaal, this User Story was still missing.
Planning
Story Points
Priority
2
Risk
Classification
Value area
Business
Deployment
To track releases associated with this work item, go to Releases and turn on deployment status reporting for Boards in your pipeline's Options menu. Learn more
Development
+ Add link
Related Work
+ Add link


Azure DevOps
sjoukjezaal / Tailwind Traders / Boards / Backlogs
Search
Tailwind Traders
Overview
Boards
Work items
Boards
Backlogs
Sprints
Queries
Repos
Pipelines
Test Plans
Artifacts
Backlogs
Name
Team
Continue where you left off
Tailwind Traders Team backlogs
Tailwind Traders Team
My favorite backlogs
No favorites yet! Favorite ★ backlogs to quickly access them here.
My team backlogs (1)
Tailwind Traders Team backlogs
Tailwind Traders Team
All teams backlogs


sjoukjezaal / Tailwind Traders / Boards / Backlogs
Search
Tailwind Traders Team
Backlog
Analytics
New Work Item
View as Board
Column Options
Stories
Epics
Features
Stories
Order
Work Item Type
Title
1 User Story As a User, I want to add items to my shopping car
2 User Story As a User I want to view my user profile
3 User Story As a User I want to view product details
4 User Story As a User, I want to be able to modify my particula
5 User Story As developer, I want to use Azure Machine Learnin
Planning
Drag and drop work
Tailwind Traders
Iteration 2
Current


Tailwind Traders Team
Backlog
Analytics
New Work Item
View as Board
Column Options
Stories
Order
Work Item Type
Title
1 User Story As a User, I want to add items to my shopping cart
Task As a User I want to view a public landing page with static
Task As a User I want to see a list of recommended product
Task Shows the total price of all items
Task Create a new route and view for cart
2 User Story As a User I want to view my user profile
3 User Story As a User I want to view product details
4 User Story As a User, I want to be able to modify my particulars
5 User Story As developer, I want to use Azure Machine Learning to prov
6 User Story As a admin, I should be able to update prices on ad-hoc cor
7 User Story As a user, I want to be able to update the frequency and typ
8 User Story As an admin, I want to generate coupons for customers
9 User Story As a User I want to view my discounts coupons
10 User Story As a user, I want to choose to unsubscribe newsletters
11 User Story As a User, I should be able to select different shipping
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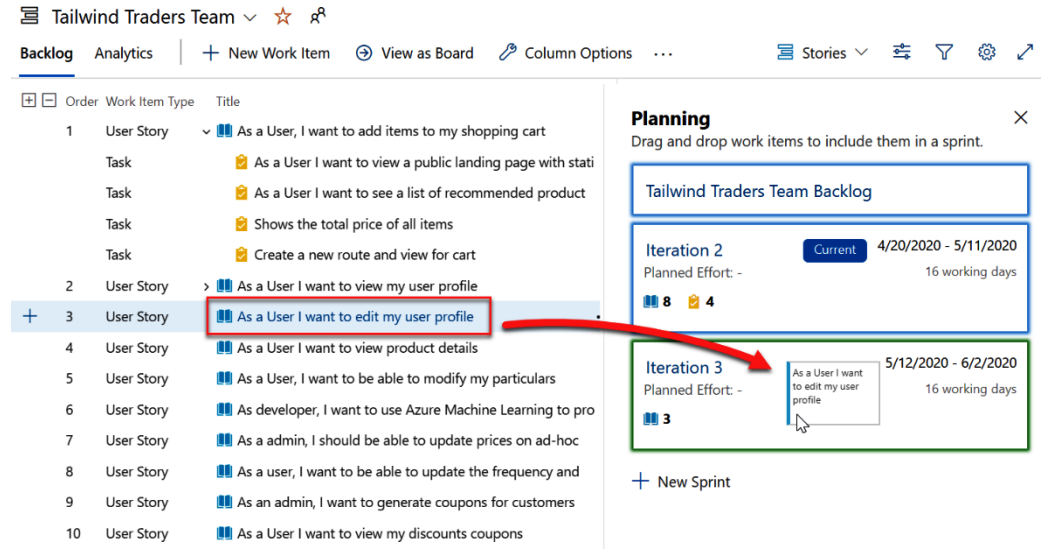
13 User Story As an admin, I want to set order limit for free shipping
14 User Story As a User, I want to view my past orders
15 User Story As a User I want to edit my user profile
As a User I want to edit my user profile
Planning
Drag and drop work items to include them in a sprint.
Tailwind Traders Team Backlog
Iteration 2
Current
4/20/2020 - 5/11/2020
Planned Effort: -
16 working days
8 4
Iteration 3
5/12/2020 - 6/2/2020
Planned Effort: -
16 working days
3
New Sprint


Tailwind Traders Team
Backlog
Analytics
New Work Item
View as Board
Column Options
Stories
Order
Work Item Type
Title
1 User Story As a User, I want to add items to my shopping cart
Task As a User I want to view a public landing page with stati
Task As a User I want to see a list of recommended product
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Task Create a new route and view for cart
2 User Story As a User I want to view my user profile
3 User Story As a User I want to edit my user profile
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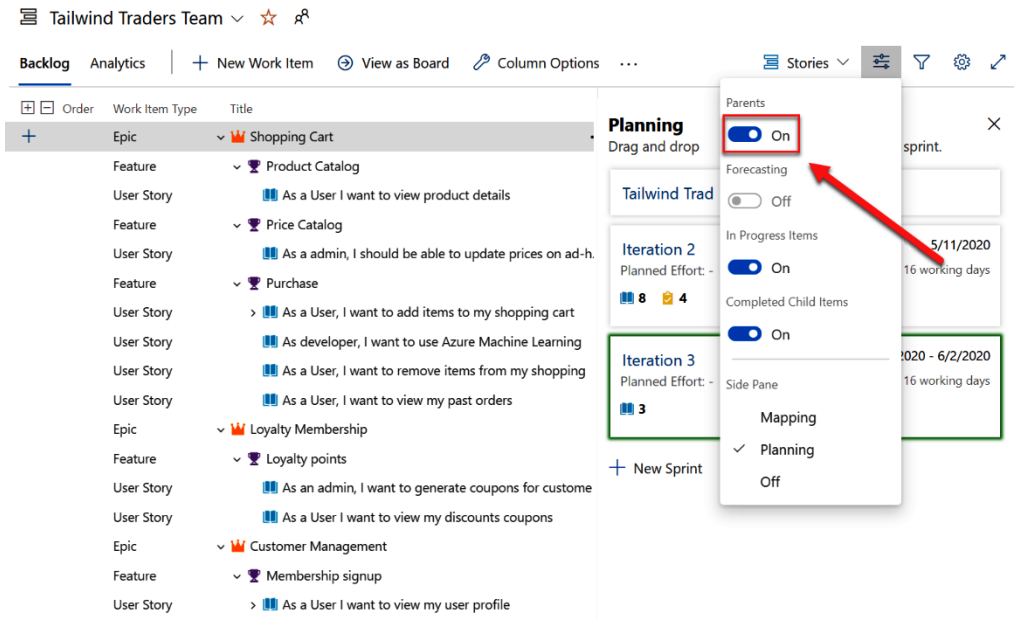
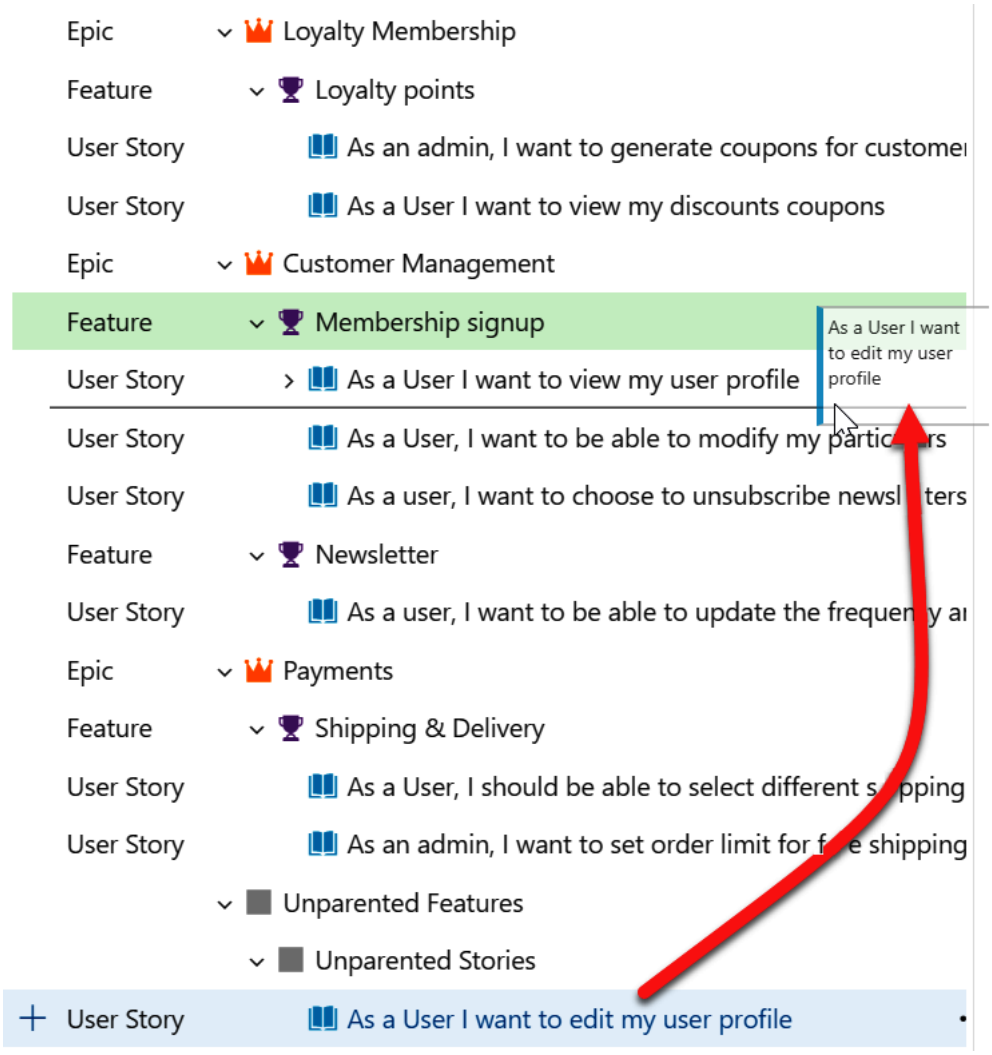
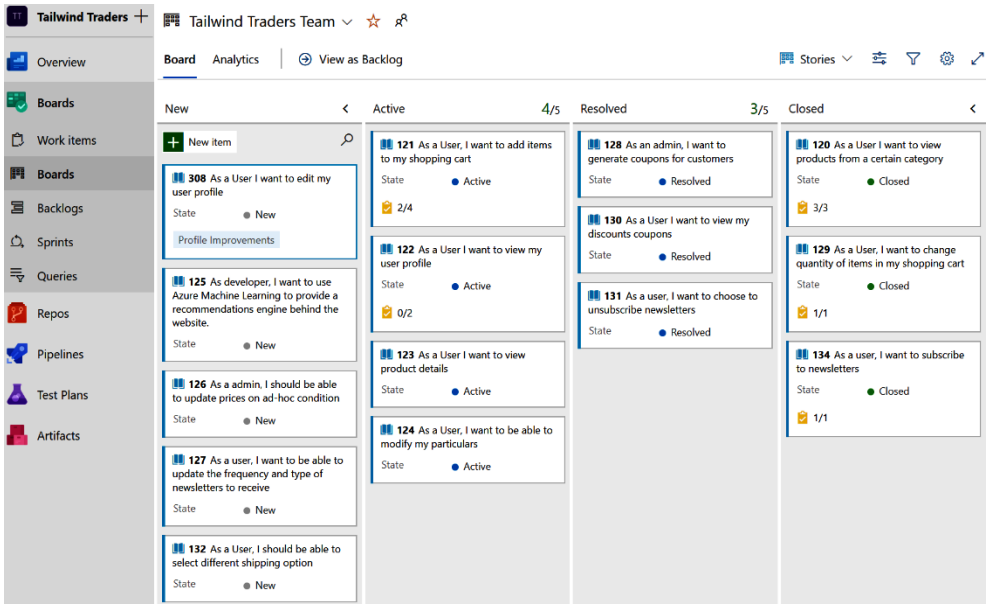
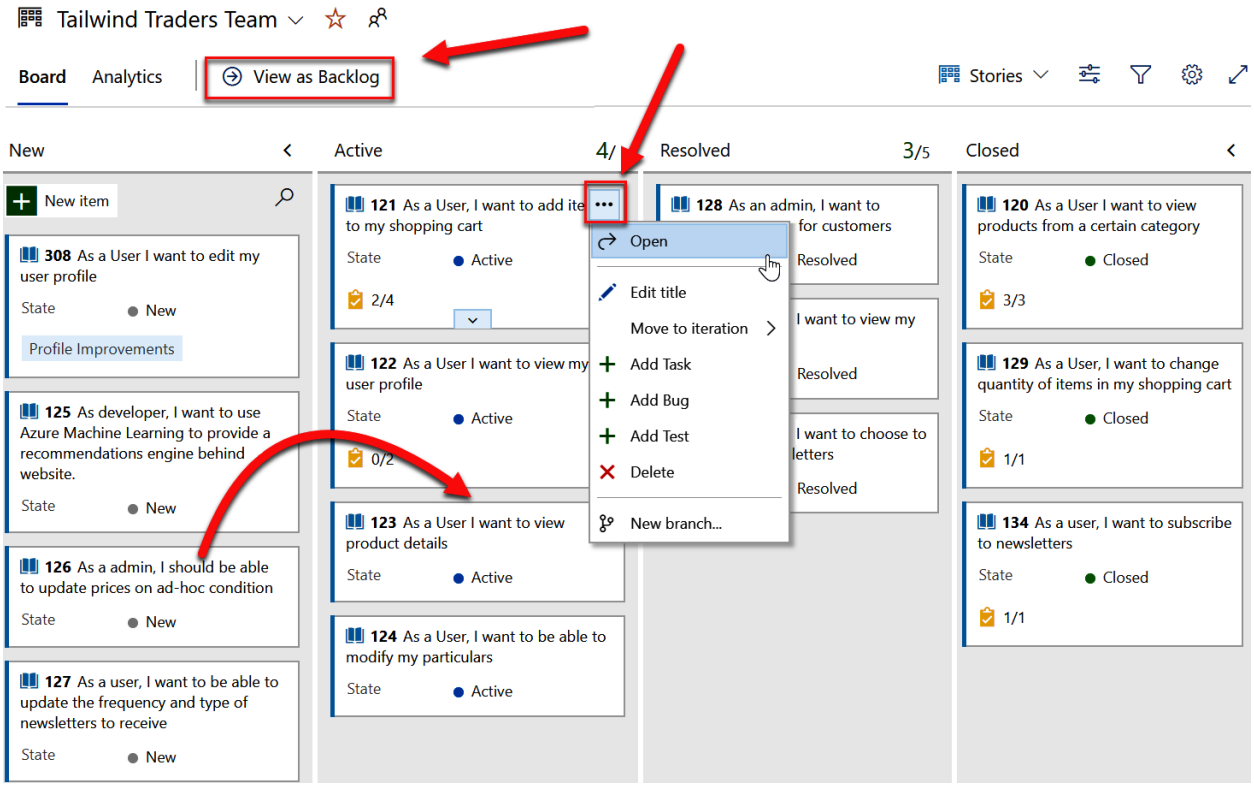
6 User Story As developer, I want to use Azure Machine Learning to pro
7 User Story As a admin, I should be able to update prices on ad-hoc
8 User Story As a user, I want to be able to update the frequency and
9 User Story As an admin, I want to generate coupons for customers
10 User Story As a User I want to view my discounts coupons
Planning
Drag and drop work items to include them in a sprint.
Tailwind Traders Team Backlog
Iteration 2
Current
4/20/2020 - 5/11/2020
Planned Effort: -
16 working days
8 4
Iteration 3
5/12/2020 - 6/2/2020
Planned Effort: -
16 working days
3
As a User I want to edit my user profile
New Sprint


Tailwind Traders Team
Backlog
Analytics
New Work Item
View as Board
Column Options
Stories
Order
Work Item Type
Title
Epic
Shopping Cart
Feature
Product Catalog
User Story
As a User I want to view product details
Feature
Price Catalog
User Story
As a admin, I should be able to update prices on ad-h.
Feature
Purchase
User Story
As a User, I want to add items to my shopping cart
User Story
As developer, I want to use Azure Machine Learning
User Story
As a User, I want to remove items from my shopping
User Story
As a User, I want to view my past orders
Epic
Loyalty Membership
Feature
Loyalty points
User Story
As an admin, I want to generate coupons for custome
User Story
As a User I want to view my discounts coupons
Epic
Customer Management
Feature
Membership signup
User Story
As a User I want to view my user profile
Planning
Drag and drop
Tailwind Trad
Iteration 2
Planned Effort: -
8
4
Iteration 3
Planned Effort: -
3
New Sprint
5/11/2020
16 working days
2020 - 6/2/2020
16 working days
Parents
On
Forecasting
Off
In Progress Items
On
Completed Child Items
On
Side Pane
Mapping
Planning
Off


Epic
Loyalty Membership
Feature
Loyalty points
User Story
As an admin, I want to generate coupons for customer
User Story
As a User I want to view my discounts coupons
Epic
Customer Management
Feature
Membership signup
User Story
As a User I want to view my user profile
As a User I want to edit my user profile
User Story
As a User, I want to be able to modify my partic rs
User Story
As a user, I want to choose to unsubscribe newsl ters
Feature
Newsletter
User Story
As a user, I want to be able to update the frequen y a
Epic
Payments
Feature
Shipping & Delivery
User Story
As a User, I should be able to select different s pping
User Story
As an admin, I want to set order limit for f e shipping
Unparented Features
Unparented Stories
User Story
As a User I want to edit my user profile


Tailwind Traders
Overview
Boards
Work items
Boards
Backlogs
Sprints
Queries
Repos
Pipelines
Test Plans
Artifacts
Tailwind Traders Team
Board
Analytics
View as Backlog
Stories
New
Active 4/5
Resolved 3/5
Closed
New item
308 As a User I want to edit my user profile
State New
Profile Improvements
125 As developer, I want to use Azure Machine Learning to provide a recommendations engine behind the website.
State New
126 As a admin, I should be able to update prices on ad-hoc condition
State New
127 As a user, I want to be able to update the frequency and type of newsletters to receive
State New
132 As a User, I should be able to select different shipping option
State New
121 As a User, I want to add items to my shopping cart
State Active
2/4
122 As a User I want to view my user profile
State Active
0/2
123 As a User I want to view product details
State Active
124 As a User, I want to be able to modify my particulars
State Active
128 As an admin, I want to generate coupons for customers
State Resolved
130 As a User I want to view my discounts coupons
State Resolved
131 As a user, I want to choose to unsubscribe newsletters
State Resolved
120 As a User I want to view products from a certain category
State Closed
3/3
129 As a User, I want to change quantity of items in my shopping cart
State Closed
1/1
134 As a user, I want to subscribe to newsletters
State Closed
1/1


Tailwind Traders Team
Board
Analytics
View as Backlog
Stories
New
Active 4/
Resolved 3/5
Closed
New item
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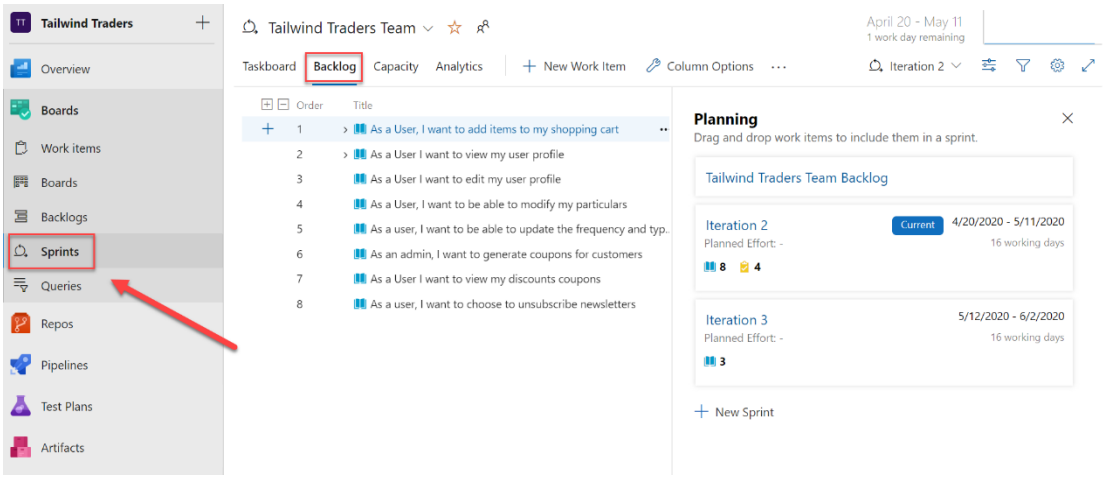
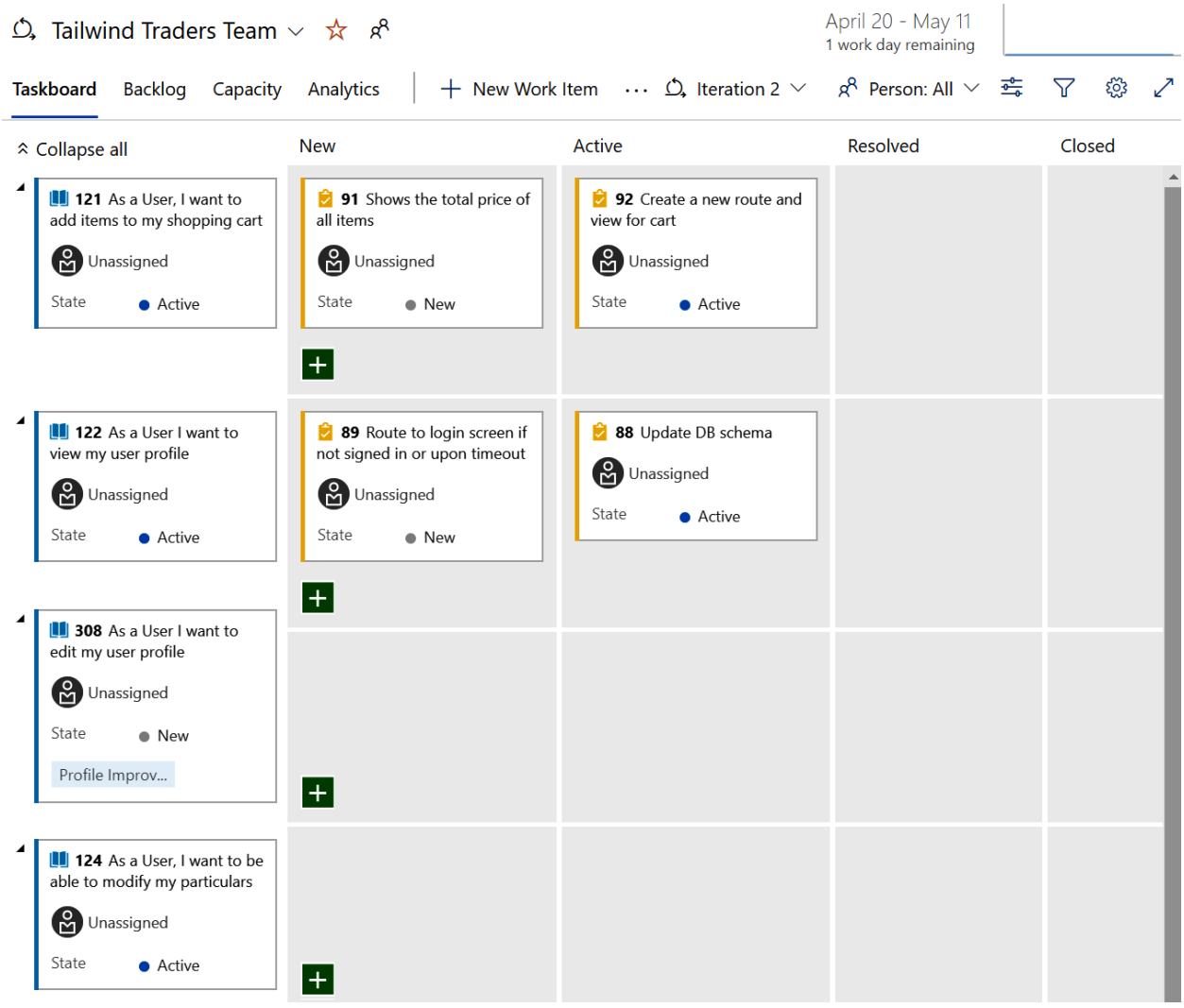
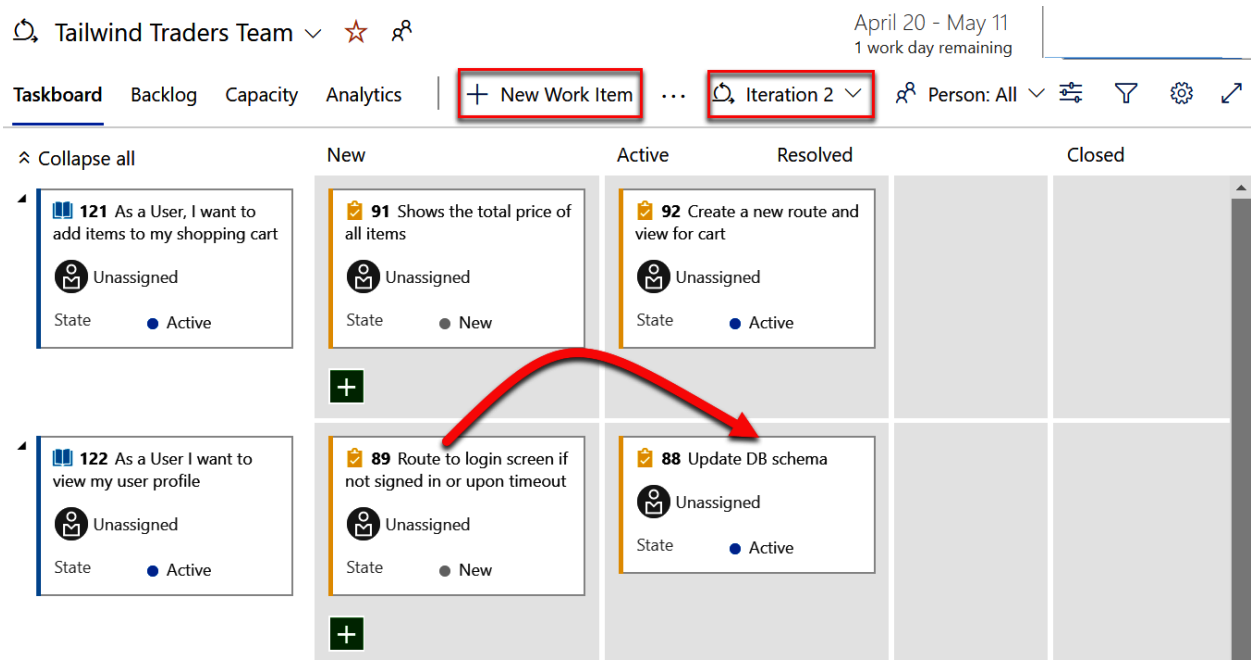
127 As a user, I want to be able to update the frequency and type of newsletters to receive
State New
121 As a User, I want to add ite to my shopping cart
State Active
2/4
122 As a User I want to view my user profile
State Active
0/2
123 As a User I want to view product details
State Active
124 As a User, I want to be able to modify my particulars
State Active
Open
Edit title
Move to iteration
Add Task
Add Bug
Add Test
Delete
New branch...
128 As an admin, I want to for customers
Resolved
I want to view my
Resolved
I want to choose to letters
Resolved
120 As a User I want to view products from a certain category
State Closed
3/3
129 As a User, I want to change quantity of items in my shopping cart
State Closed
1/1
134 As a user, I want to subscribe to newsletters
State Closed
1/1


Tailwind Traders
Overview
Boards
Work items
Boards
Backlogs
Sprints
Queries
Repos
Pipelines
Test Plans
Artifacts
Tailwind Traders Team
April 20 - May 11
1 work day remaining
Taskboard
Backlog
Capacity
Analytics
New Work Item
Column Options
Iteration 2
Order
Title
1 As a User, I want to add items to my shopping cart
2 As a User I want to view my user profile
3 As a User I want to edit my user profile
4 As a User, I want to be able to modify my particulars
5 As a user, I want to be able to update the frequency and typ...
6 As an admin, I want to generate coupons for customers
7 As a User I want to view my discounts coupons
8 As a user, I want to choose to unsubscribe newsletters
Planning
Drag and drop work items to include them in a sprint.
Tailwind Traders Team Backlog
Iteration 2
Current
4/20/2020 - 5/11/2020
Planned Effort: -
16 working days
8
4
Iteration 3
5/12/2020 - 6/2/2020
Planned Effort: -
16 working days
3
New Sprint


Tailwind Traders Team
April 20 - May 11
1 work day remaining
Taskboard
Backlog
Capacity
Analytics
New Work Item
Iteration 2
Person: All
Collapse all
New
Active
Resolved
Closed
121 As a User, I want to add items to my shopping cart
Unassigned
State Active
91 Shows the total price of all items
Unassigned
State New
92 Create a new route and view for cart
Unassigned
State Active
122 As a User I want to view my user profile
Unassigned
State Active
89 Route to login screen if not signed in or upon timeout
Unassigned
State New
88 Update DB schema
Unassigned
State Active
308 As a User I want to edit my user profile
Unassigned
State New
Profile Improv...
124 As a User, I want to be able to modify my particulars
Unassigned
State Active


Tailwind Traders Team
April 20 - May 11
1 work day remaining
Taskboard
Backlog
Capacity
Analytics
New Work Item
Iteration 2
Person: All
Collapse all
New
Active
Resolved
Closed
121 As a User, I want to add items to my shopping cart
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State
Active
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Unassigned
State
New
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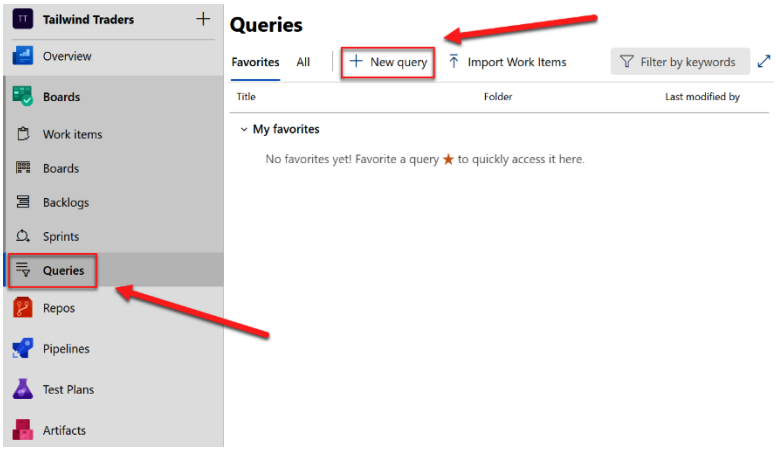
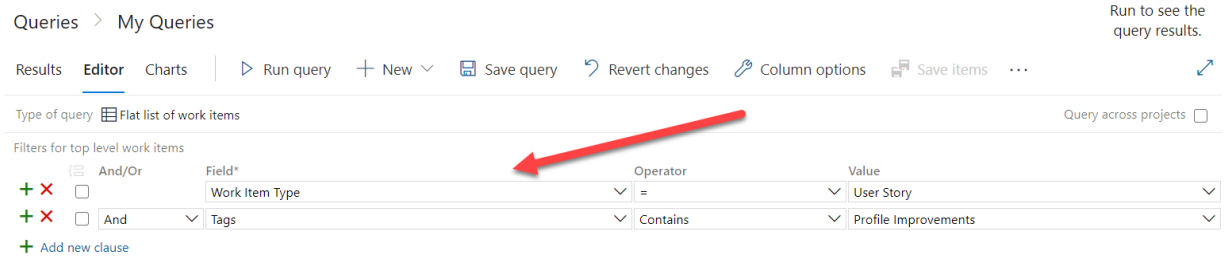
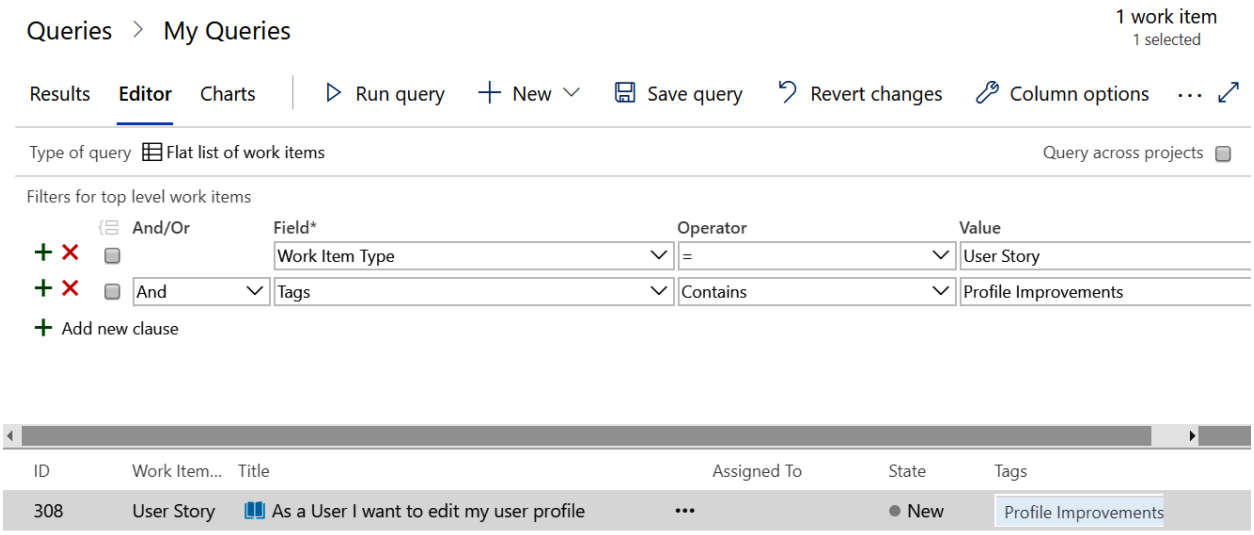
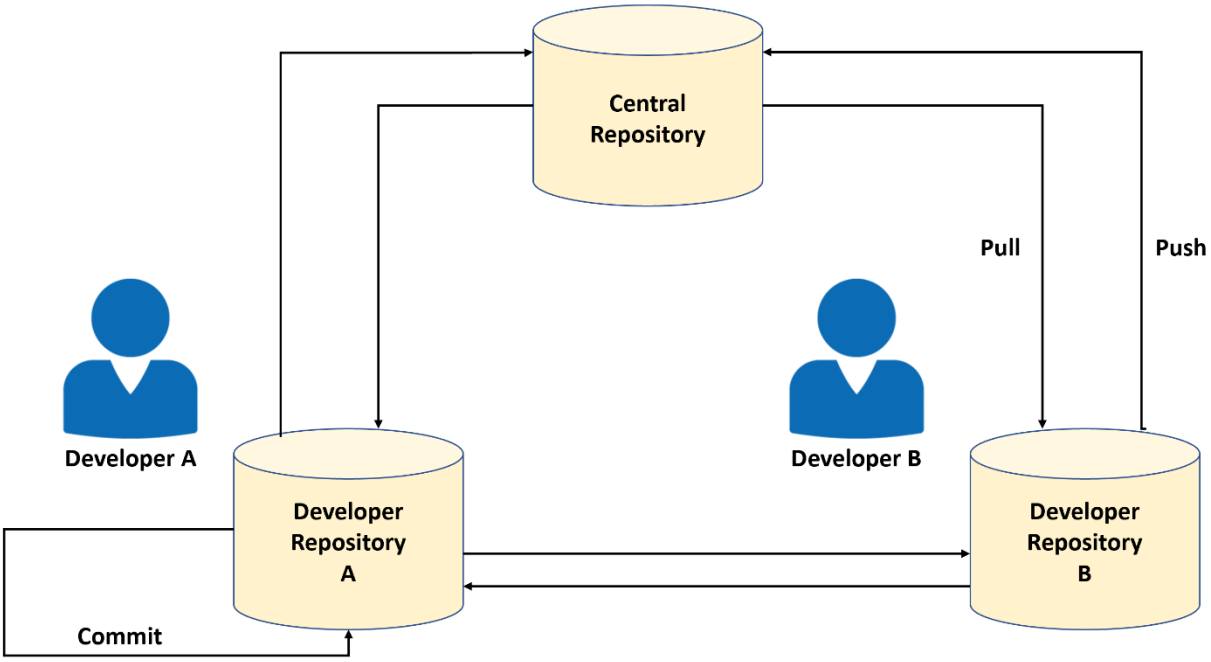
Unassigned
State
Active
122 As a User I want to view my user profile
Unassigned
State
Active
89 Route to login screen if not signed in or upon timeout
Unassigned
State
New
88 Update DB schema
Unassigned
State
Active

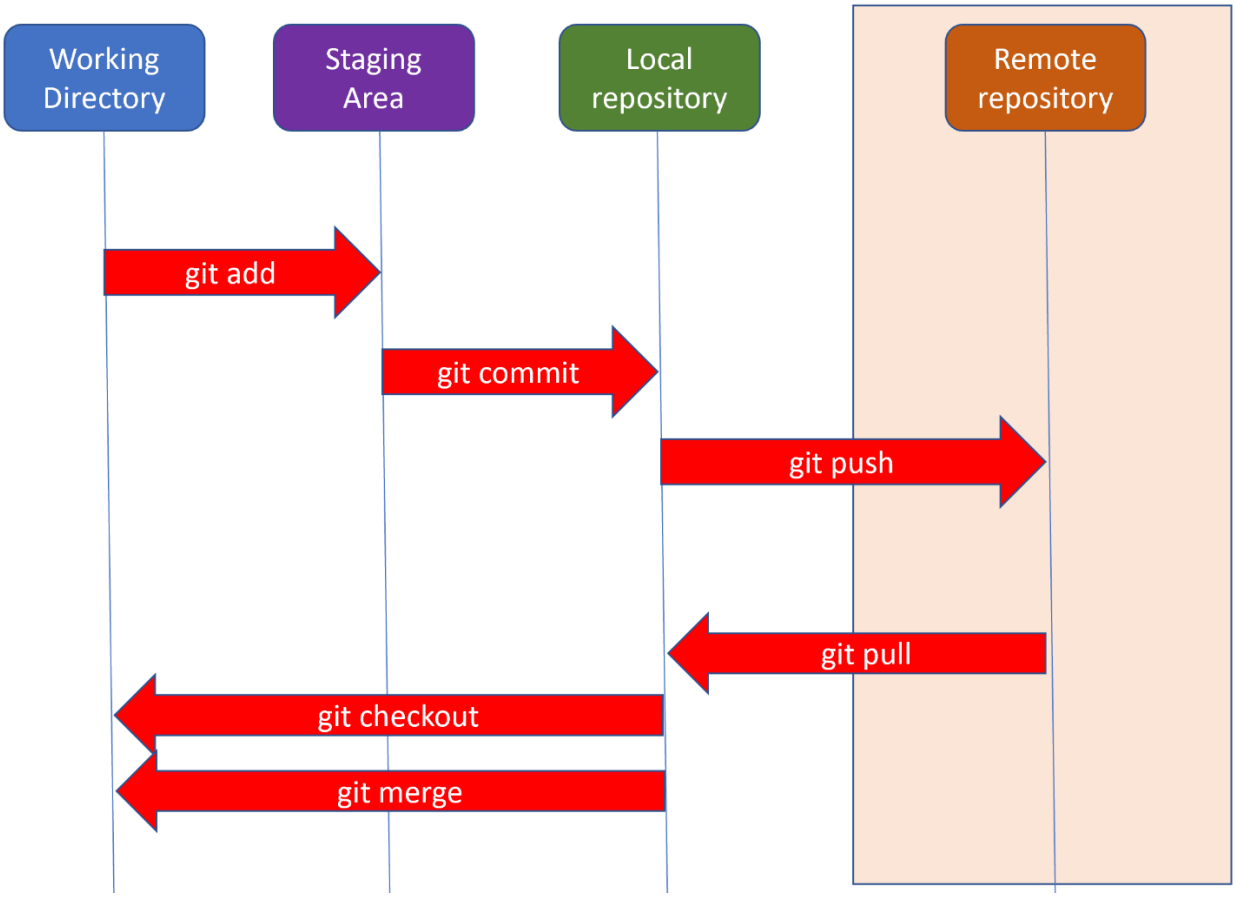

Tailwind Traders
Overview
Boards
Work items
Boards
Backlogs
Sprints
Queries
Repos
Pipelines
Test Plans
Artifacts
Queries
Favorites
All
New query
Import Work Items
Filter by keywords
Title
Folder
Last modified by
My favorites
No favorites yet! Favorite a query ★ to quickly access it here.

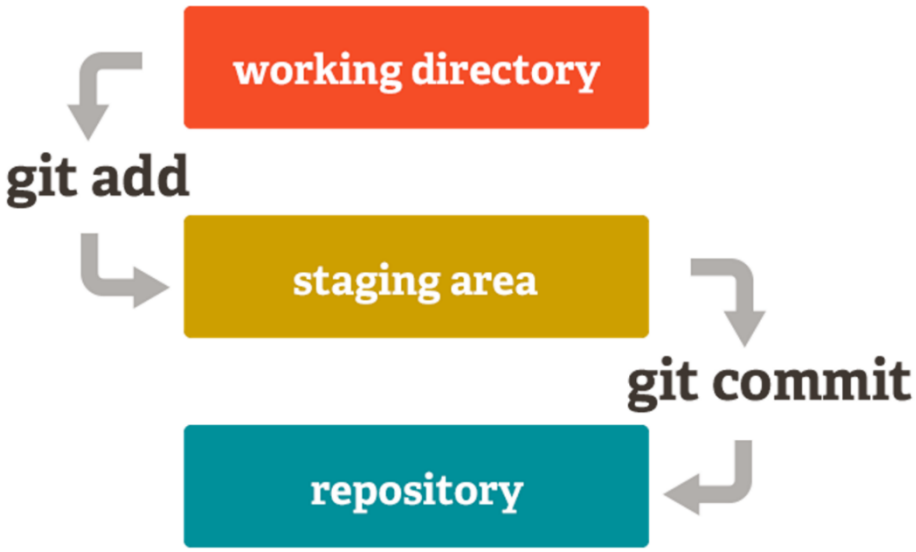

Queries
My Queries
Run to see the query results.
Results
Editor
Charts
Run query
New
Save query
Revert changes
Column options
Save items
Type of query
Flat list of work items
Query across projects
Filters for top level work items
And/Or
Field*
Operator
Value
Work Item Type
=
User Story
And
Tags
Contains
Profile Improvements
Add new clause

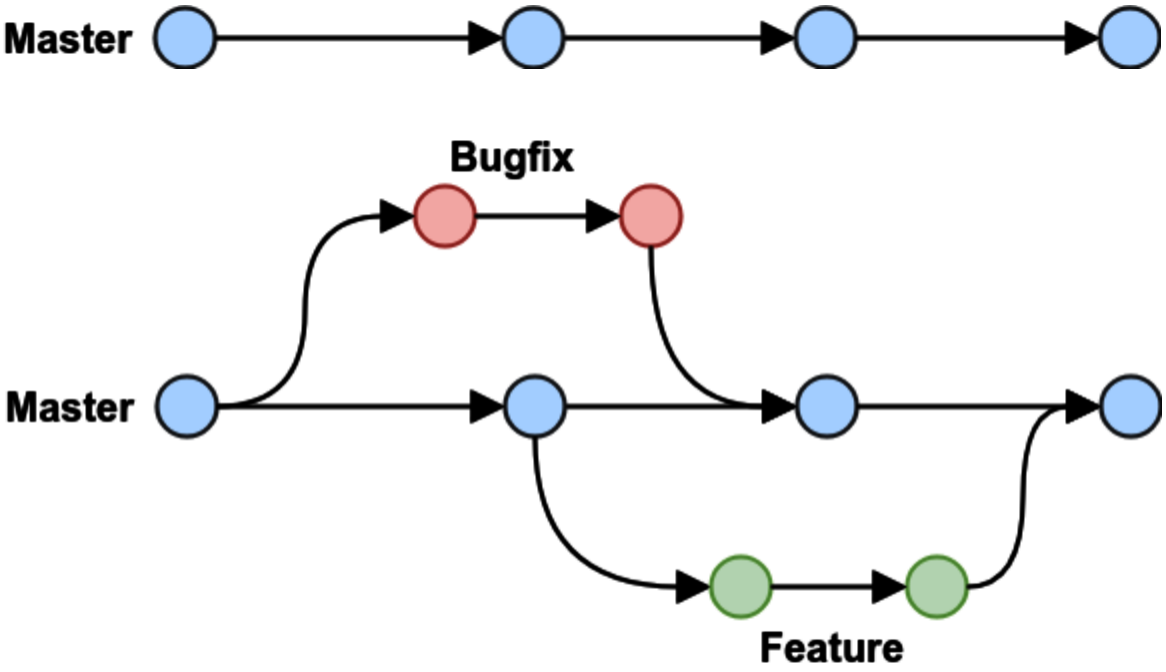

Queries
My Queries
1 work item
1 selected
Results
Editor
Charts
Run query
New
Save query
Revert changes
Column options
Type of query
Flat list of work items
Query across projects
Filters for top level work items
And/Or
Field*
Operator
Value
Work Item Type
=
User Story
And
Tags
Contains
Profile Improvements
Add new clause
ID
Work Item...
Title
Assigned To
State
Tags
308
User Story
As a User I want to edit my user profile
New
Profile Improvements

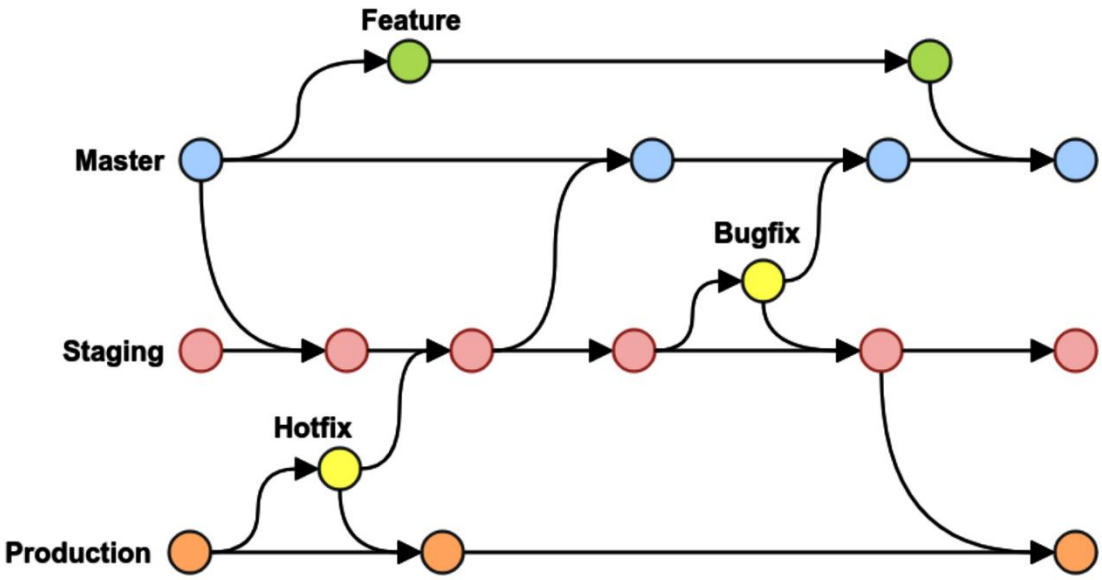
Chapter 3: Source Control Management with Azure DevOps

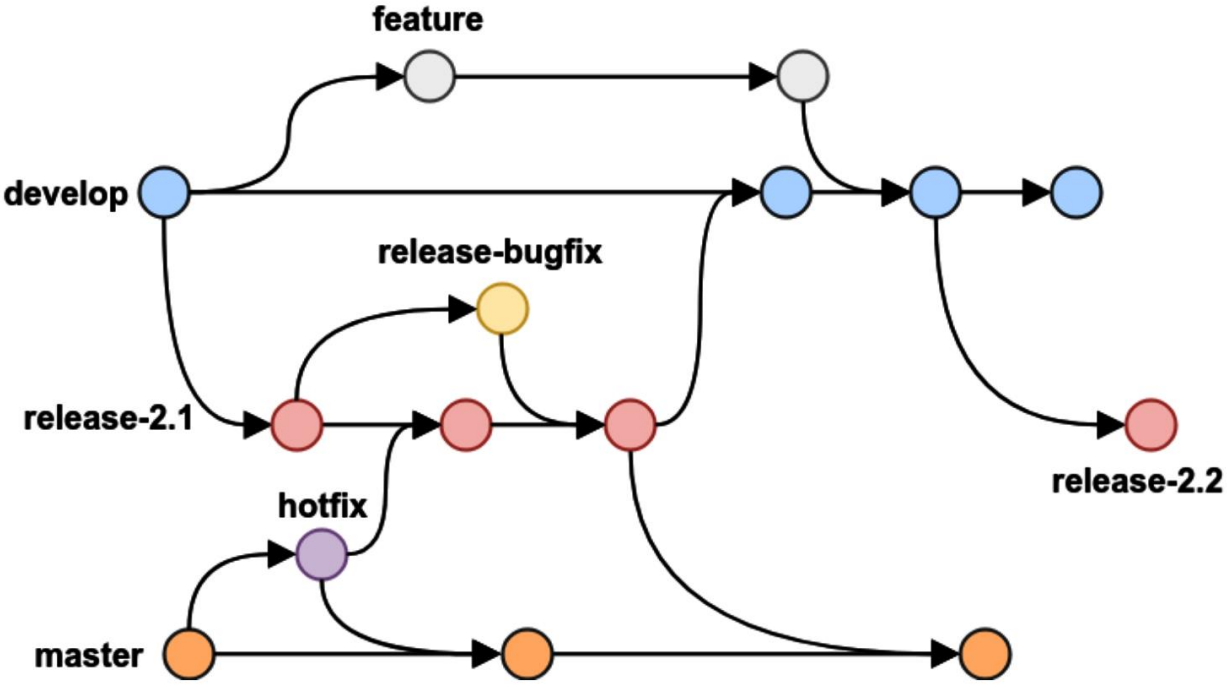


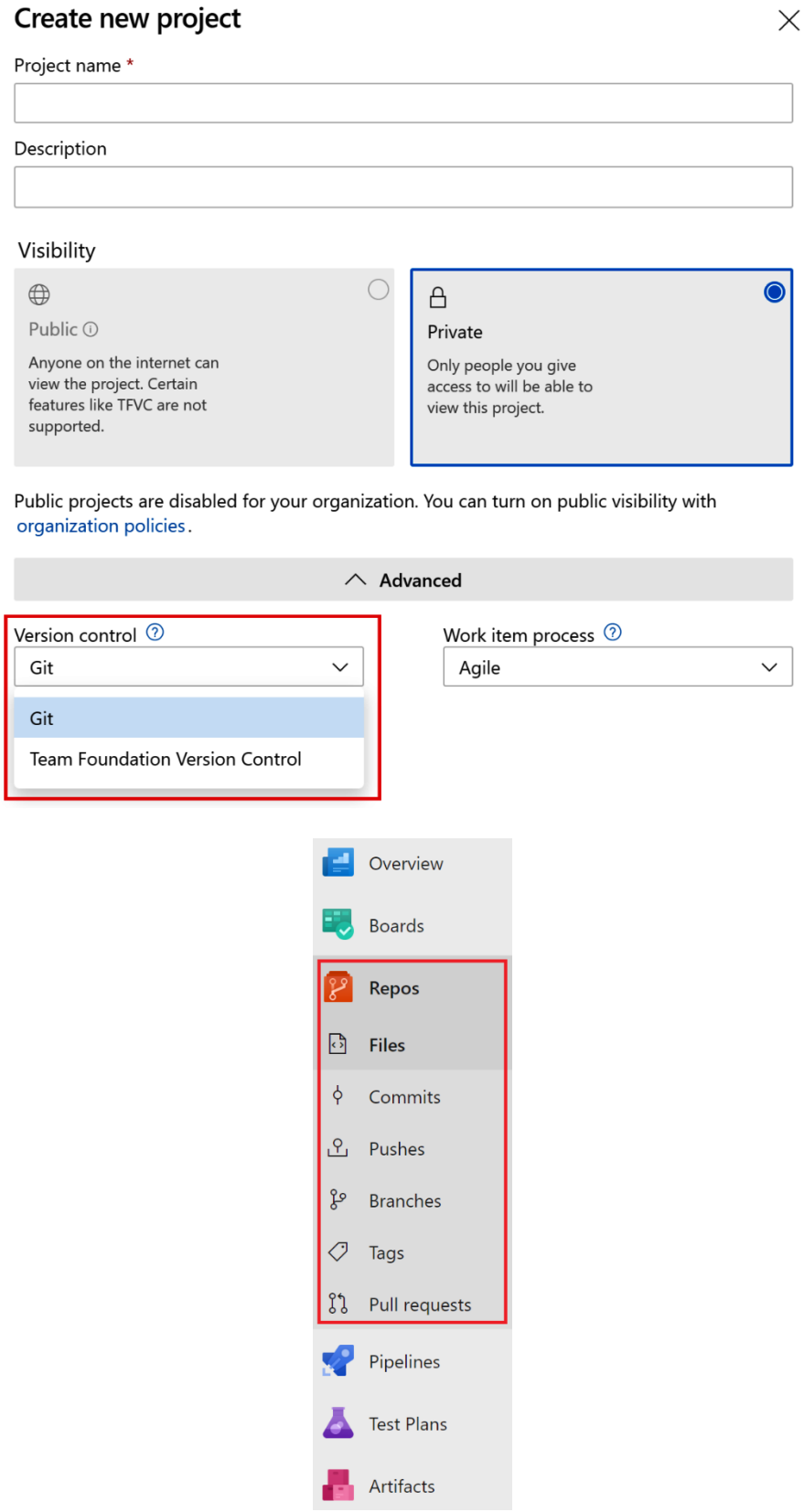


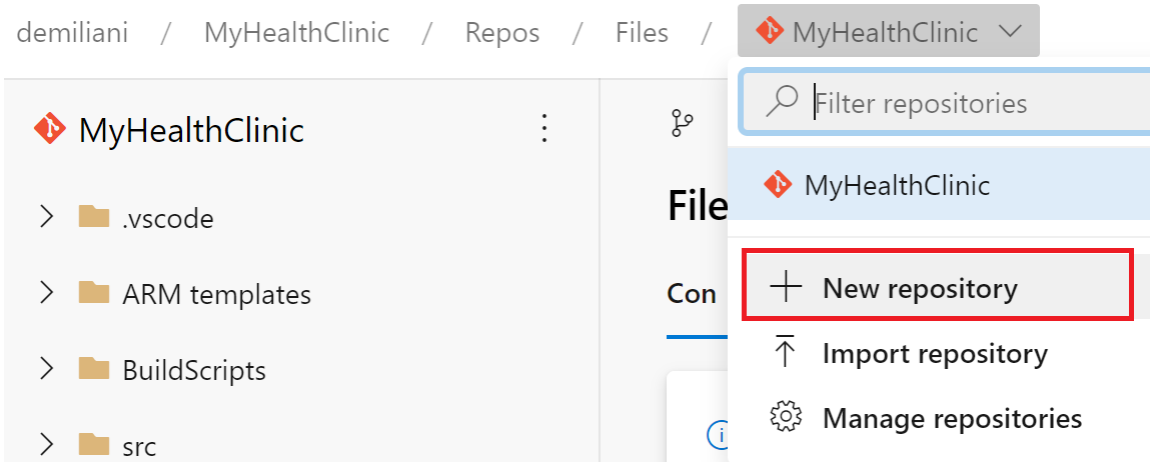

working directory
git add
staging area
git commit
repository

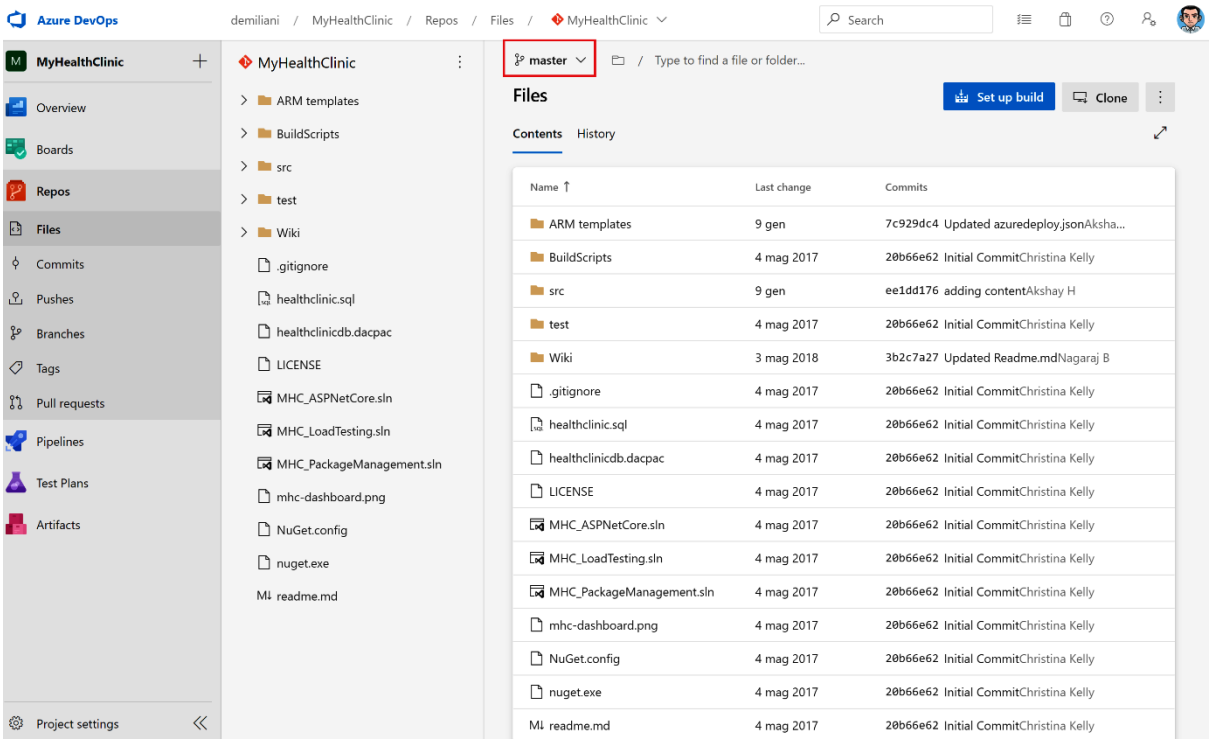

Master
Bugfix
Master
Feature

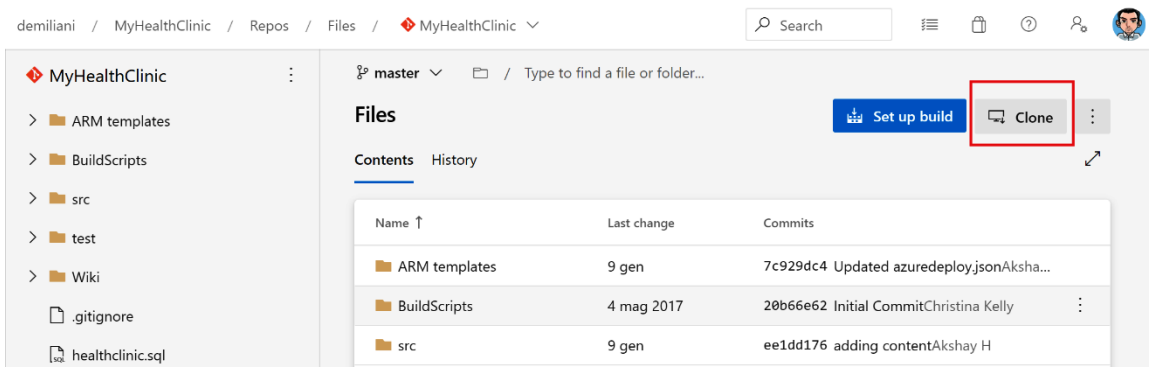

Feature
Master
Bugfix
Staging
Hotfix
Production

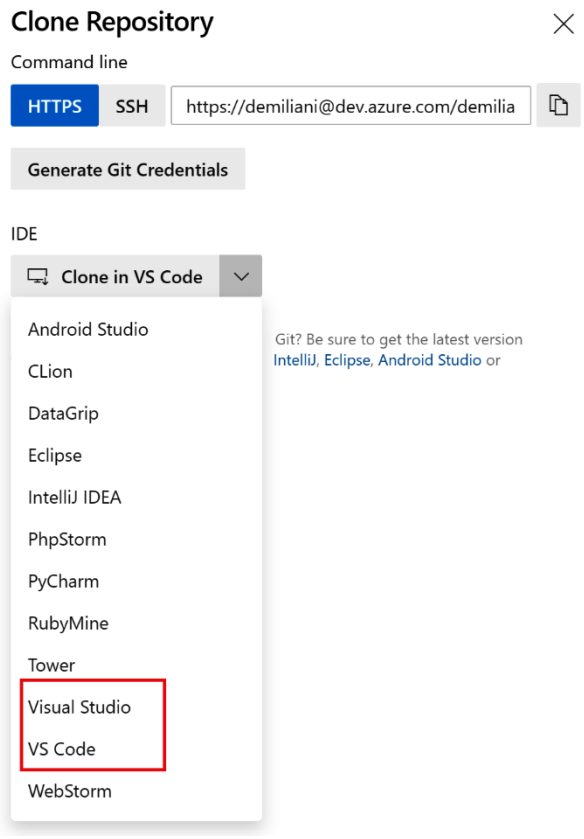

feature
develop
release-bugfix
release-2.1
release-2.2
hotfix
master

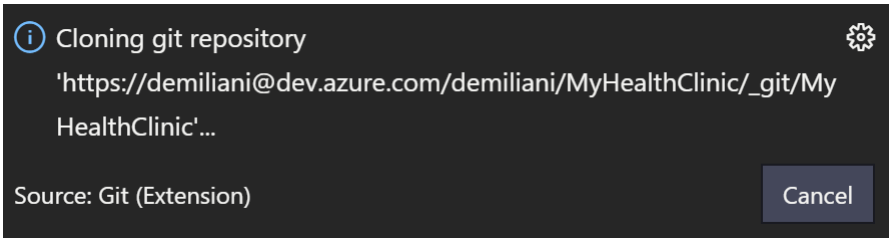

Create new project
Project name *
Description
Visibility
Public
Anyone on the internet can view the project. Certain features like TFVC are not supported.
Private
Only people you give access to will be able to view this project.
Public projects are disabled for your organization. You can turn on public visibility with organization policies.
Advanced
Version control
Git
Git
Team Foundation Version Control
Work item process
Agile
Overview
Boards
Repos
Files
Commits
Pushes
Branches
Tags
Pull requests
Pipelines
Test Plans
Artifacts

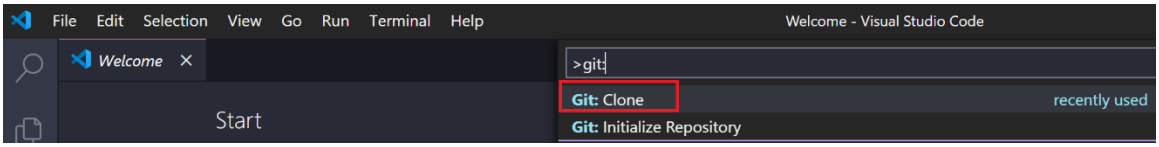

demiliani / MyHealthClinic / Repos / Files / MyHealthClinic
MyHealthClinic
.vscode
ARM templates
BuildScripts
src
Filter repositories
MyHealthClinic
New repository
Import repository
Manage repositories

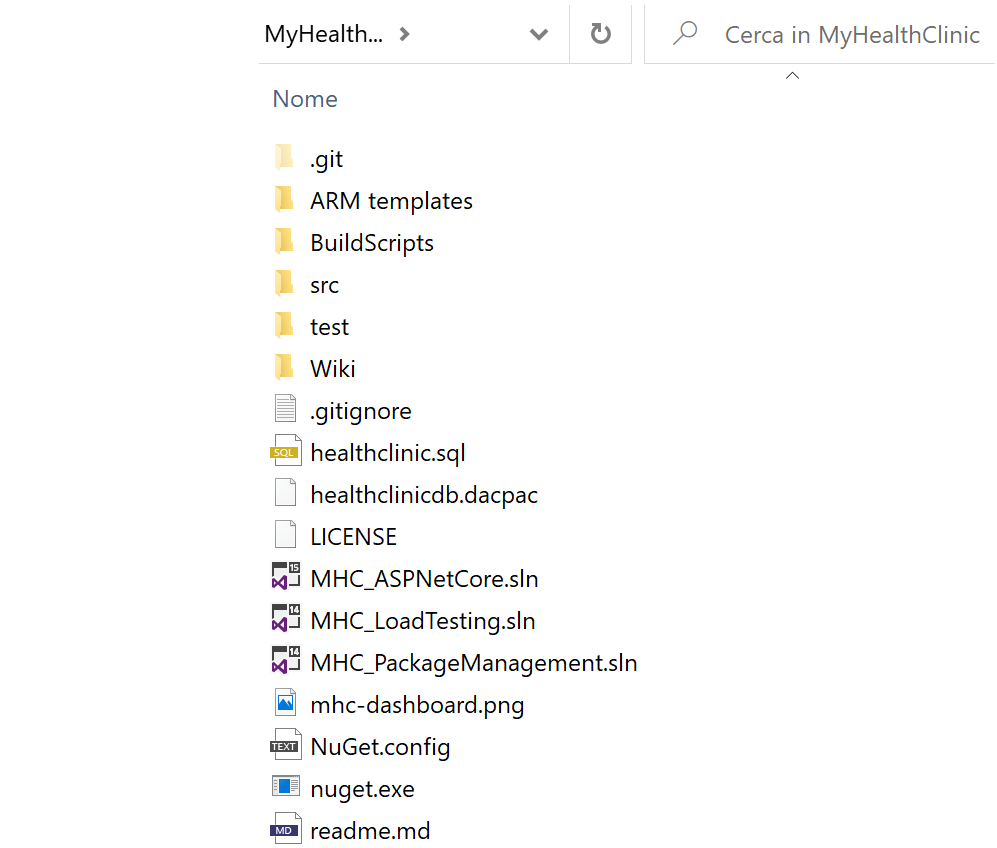

Azure DevOps
demiliani / MyHealthClinic / Repos / Files / MyHealthClinic
Search
MyHealthClinic
Overview
Boards
Repos
Files
Commits
Pushes
Branches
Tags
Pull requests
Pipelines
Test Plans
Artifacts
Project settings
MyHealthClinic
ARM templates
BuildScripts
src
test
Wiki
.gitignore
healthclinic.sql
healthclinicdb.dacpac
LICENSE
MHC_ASPNetCore.sln
MHC_LoadTesting.sln
MHC_PackageManagement.sln
mhc-dashboard.png
NuGet.config
nuget.exe
readme.md
master
Type to find a file or folder...
Files
Set up build
Clone
Contents
History
Name
Last change
Commits
ARM templates 9 gen 7c929dc4 Updated azuredeploy.jsonAksha...
BuildScripts 4 mag 2017 20b66e62 Initial CommitChristina Kelly
src 9 gen ee1dd176 adding contentAkshay H
test 4 mag 2017 20b66e62 Initial CommitChristina Kelly
Wiki 3 mag 2018 3b2c7a27 Updated Readme.mdNagaraj B
.gitignore 4 mag 2017 20b66e62 Initial CommitChristina Kelly
healthclinic.sql 4 mag 2017 20b66e62 Initial CommitChristina Kelly
healthclinicdb.dacpac 4 mag 2017 20b66e62 Initial CommitChristina Kelly
LICENSE 4 mag 2017 20b66e62 Initial CommitChristina Kelly
MHC_ASPNetCore.sln 4 mag 2017 20b66e62 Initial CommitChristina Kelly
MHC_LoadTesting.sln 4 mag 2017 20b66e62 Initial CommitChristina Kelly
MHC_PackageManagement.sln 4 mag 2017 20b66e62 Initial CommitChristina Kelly
mhc-dashboard.png 4 mag 2017 20b66e62 Initial CommitChristina Kelly
NuGet.config 4 mag 2017 20b66e62 Initial CommitChristina Kelly
nuget.exe 4 mag 2017 20b66e62 Initial CommitChristina Kelly
readme.md 4 mag 2017 20b66e62 Initial CommitChristina Kelly

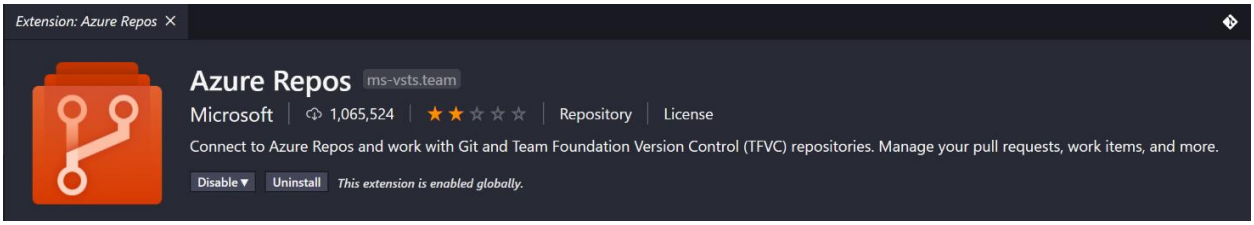

demiliani / MyHealthClinic / Repos / Files / MyHealthClinic
Search
MyHealthClinic
ARM templates
BuildScripts
src
test
Wiki
.gitignore
healthclinic.sql
master
Type to find a file or folder...
Files
Set up build
Clone
Contents
History
Name
Last change
Commits
ARM templates 9 gen 7c929dc4 Updated azuredeploy.jsonAksha...
BuildScripts 4 mag 2017 20b66e62 Initial CommitChristina Kelly
src 9 gen ee1dd176 adding contentAkshay H

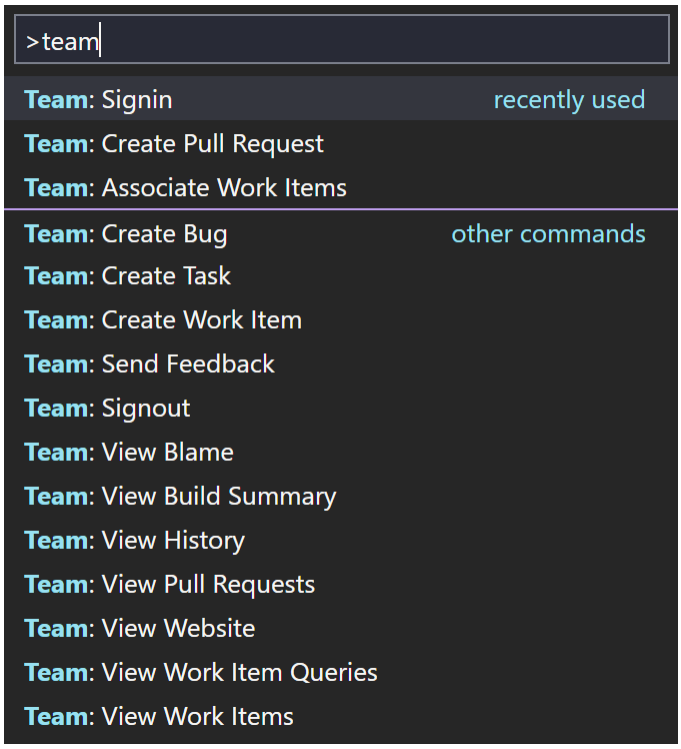

Clone Repository
Command line
HTTPS
SSH
https://demiliani@dev.azure.com/demilia
Generate Git Credentials
IDE
Clone in VS Code
Android Studio
CLion
DataGrip
Eclipse
IntelliJ IDEA
PhpStorm
PyCharm
RubyMine
Tower
Visual Studio
VS Code
WebStorm
Git? Be sure to get the latest version
IntelliJ, Eclipse, Android Studio or

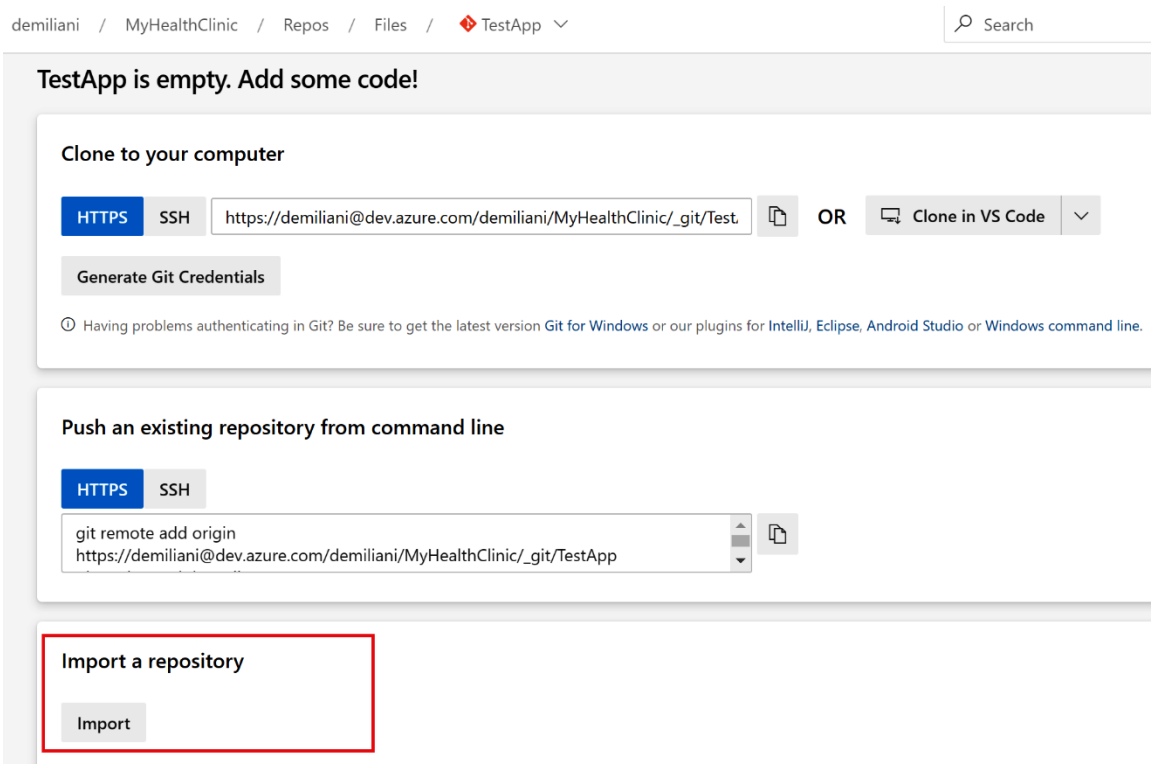

Cloning git repository 'https://demiliani@dev.azure.com/demiliani/MyHealthClinic/_git/MyHealthClinic'...
Source: Git (Extension)
Cancel

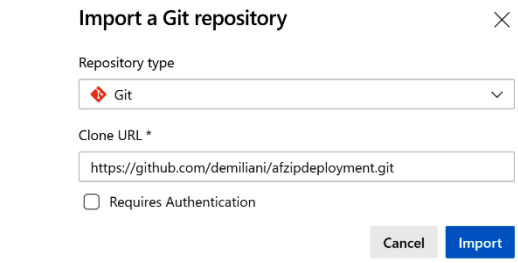

File Edit Selection View Go Run Terminal Help
Welcome - Visual Studio Code
Welcome
Start
>git:
Git: Clone
recently used
Git: Initialize Repository


MyHealth...
Cerca in MyHealthClinic
Nome
.git
ARM templates
BuildScripts
src
test
Wiki
.gitignore
healthclinic.sql
healthclinicdb.dacpac
LICENSE
MHC_ASPNetCore.sln
MHC_LoadTesting.sln
MHC_PackageManagement.sln
mhc-dashboard.png
NuGet.config
nuget.exe
readme.md


Extension: Azure Repos
Azure Repos
ms-vsts.team
Microsoft
1,065,524
Repository
License
Connect to Azure Repos and work with Git and Team Foundation Version Control (TFVC) repositories. Manage your pull requests, work items, and more.
Disable
Uninstall
This extension is enabled globally.


>team
Team: Signin
recently used
Team: Create Pull Request
Team: Associate Work Items
Team: Create Bug
other commands
Team: Create Task
Team: Create Work Item
Team: Send Feedback
Team: Signout
Team: View Blame
Team: View Build Summary
Team: View History
Team: View Pull Requests
Team: View Website
Team: View Work Item Queries
Team: View Work Items


demiliani / MyHealthClinic / Repos / Files / TestApp
Search
TestApp is empty. Add some code!
Clone to your computer
HTTPS
SSH
https://demiliani@dev.azure.com/demiliani/MyHealthClinic/_git/Test
OR
Clone in VS Code
Generate Git Credentials
Having problems authenticating in Git? Be sure to get the latest version Git for Windows or our plugins for IntelliJ, Eclipse, Android Studio or Windows command line.
Push an existing repository from command line
HTTPS
SSH
git remote add origin
https://demiliani@dev.azure.com/demiliani/MyHealthClinic/_git/TestApp
Import a repository
Import

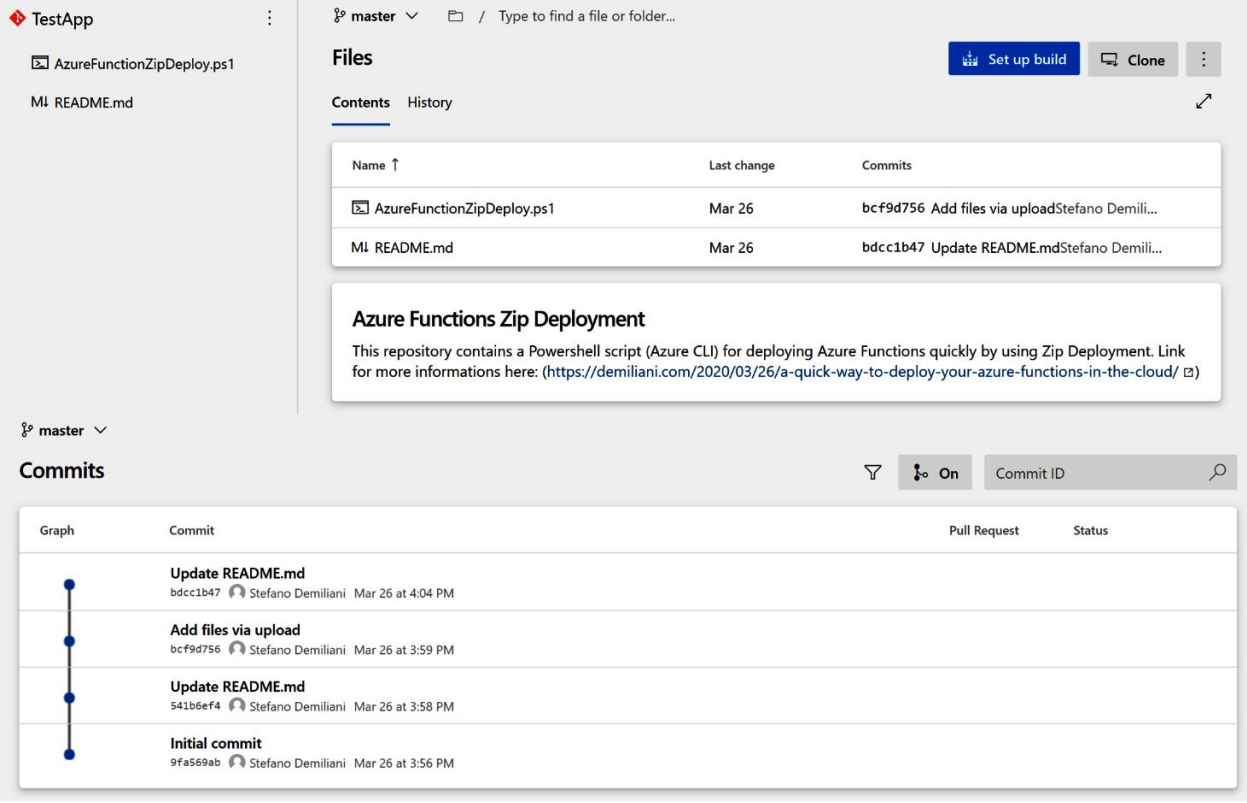


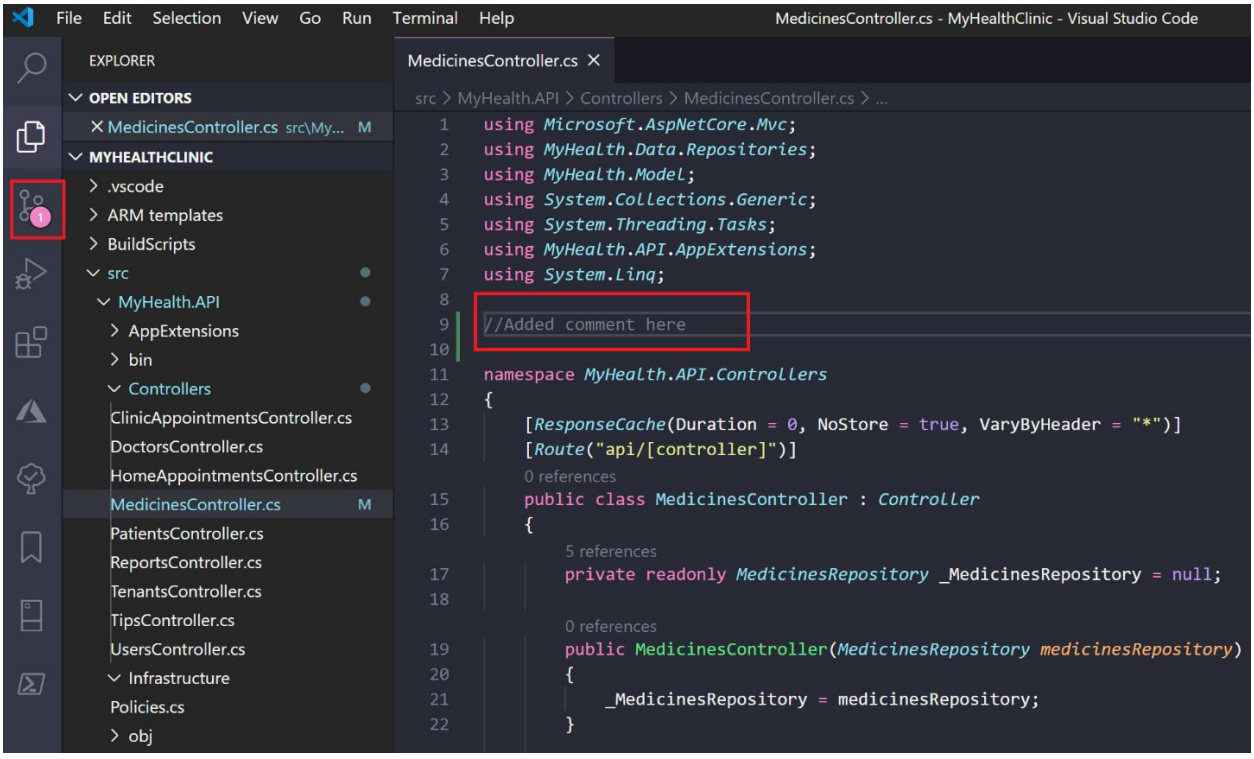
On its way!

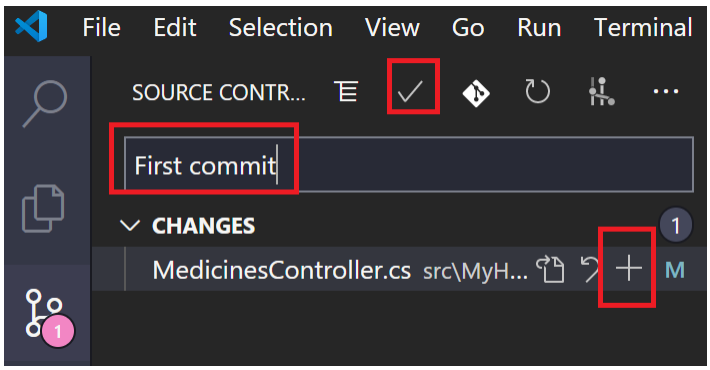
Processing request

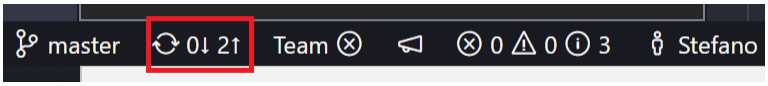
Importing https://github.com/demiliani/afzipdeployment.git

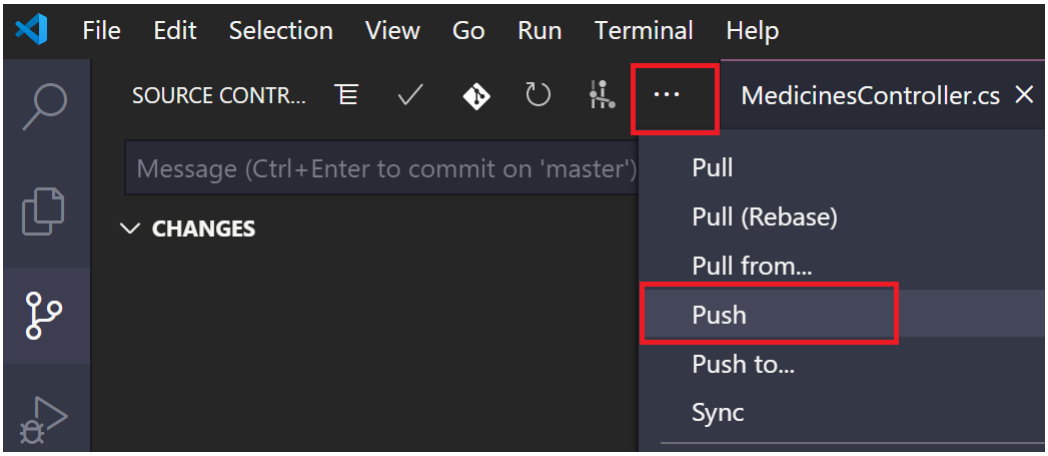
We'll send you a notification when it's ready. For now, you can work on some other project or just take a moment to sit back, relax and enjoy your day.

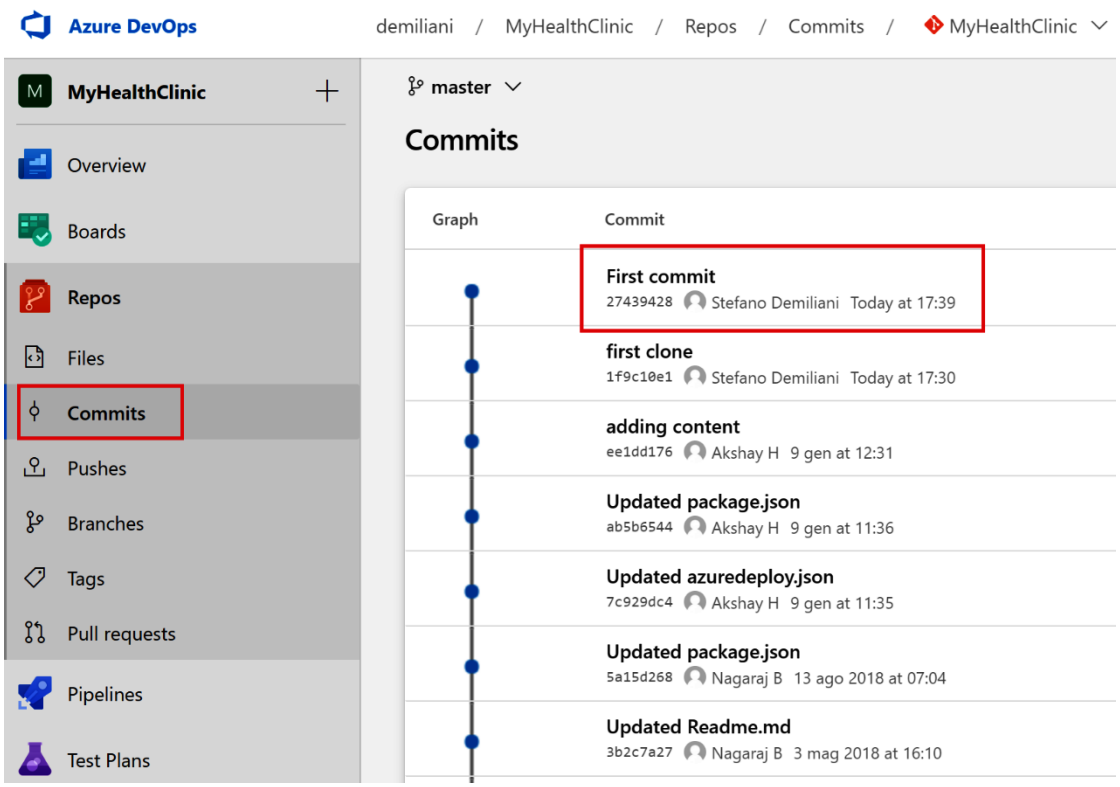

TestApp
AzureFunctionZipDeploy.ps1
README.md
master
Type to find a file or folder...
Files
Set up build
Clone
Contents
History
Name
Last change
Commits
AzureFunctionZipDeploy.ps1
Mar 26
bcf9d756 Add files via uploadStefano Demili...
README.md
Mar 26
bdcc1b47 Update README.mdStefano Demili...
Azure Functions Zip Deployment
This repository contains a Powershell script (Azure CLI) for deploying Azure Functions quickly by using Zip Deployment. Link for more informations here: (https://demiliani.com/2020/03/26/a-quick-way-to-deploy-your-azure-functions-in-the-cloud/)
master
Commits
On
Commit ID
Graph
Commit
Pull Request
Status
Update README.md
bdcc1b47 Stefano Demiliani Mar 26 at 4:04 PM
Add files via upload
bcf9d756 Stefano Demiliani Mar 26 at 3:59 PM
Update README.md
541b6ef4 Stefano Demiliani Mar 26 at 3:58 PM
Initial commit
9fa569ab Stefano Demiliani Mar 26 at 3:56 PM

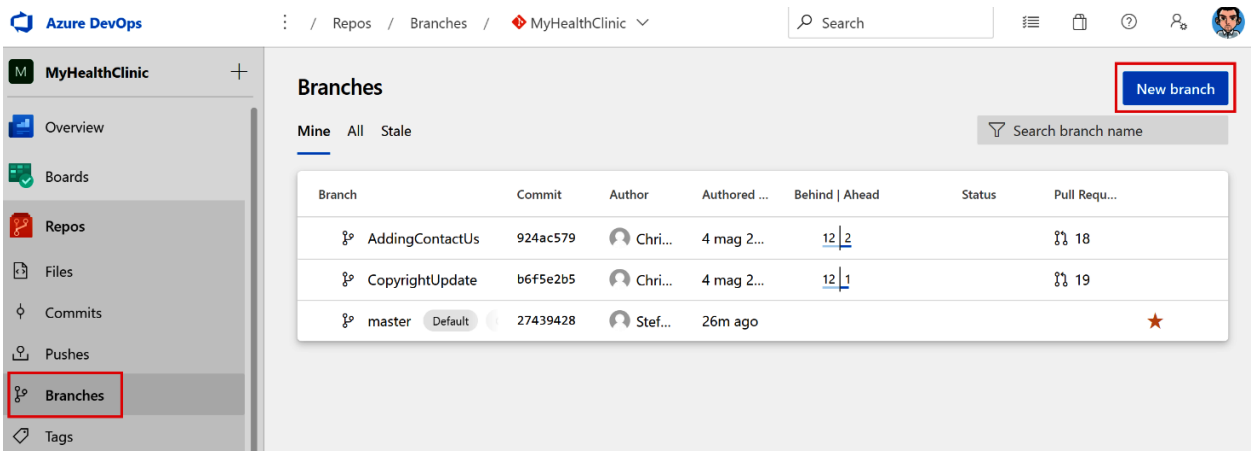

File Edit Selection View Go Run Terminal Help
MedicinesController.cs - MyHealthClinic - Visual Studio Code
EXPLORER
OPEN EDITORS
MedicinesController.cs src\My... M
MYHEALTHCLINIC
.vscode
ARM templates
BuildScripts
src
MyHealth.API
AppExtensions
bin
Controllers
ClinicAppointmentsController.cs
DoctorsController.cs
HomeAppointmentsController.cs
MedicinesController.cs M
PatientsController.cs
ReportsController.cs
TenantsController.cs
TipsController.cs
UsersController.cs
Infrastructure
Policies.cs
obj
MedicinesController.cs
src > MyHealth.API > Controllers > MedicinesController.cs > ...
using Microsoft.AspNetCore.Mvc;
using MyHealth.Data.Repositories;
using MyHealth.Model;
using System.Collections.Generic;
using System.Threading.Tasks;
using MyHealth.API.AppExtensions;
using System.Linq;
//Added comment here
namespace MyHealth.API.Controllers
{
[ResponseCache(Duration = 0, NoStore = true, VaryByHeader = "*")]
[Route("api/[controller]")]
0 references
public class MedicinesController : Controller
{
5 references
private readonly MedicinesRepository _MedicinesRepository = null;
0 references
public MedicinesController(MedicinesRepository medicinesRepository)
{
_MedicinesRepository = medicinesRepository;
}

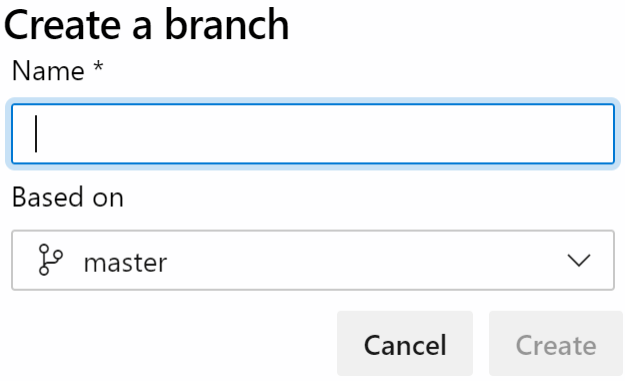

File
Edit
Selection
View
Go
Run
Terminal
SOURCE CONTR...
First commit
CHANGES
1
MedicinesController.cs src\MyH...
M

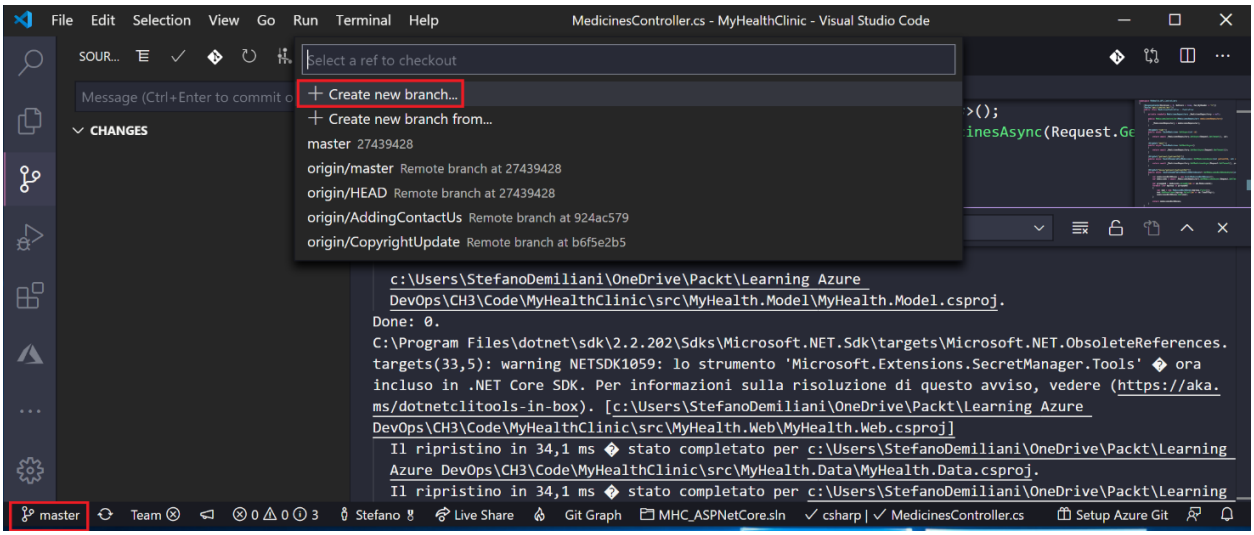

master
0↓ 2↑
Team
0 0 3
Stefano

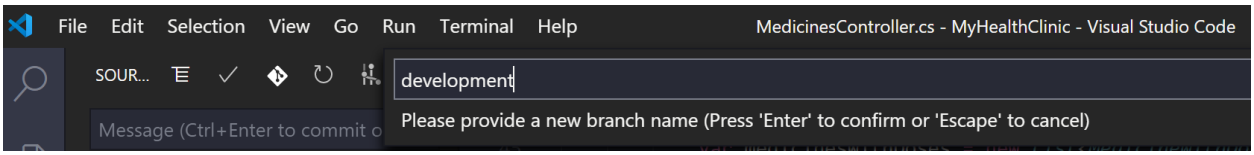

File
Edit
Selection
View
Go
Run
Terminal
Help
SOURCE CONTR...
MedicinesController.cs
Message (Ctrl+Enter to commit on 'master')
CHANGES
Pull
Pull (Rebase)
Pull from...
Push
Push to...
Sync

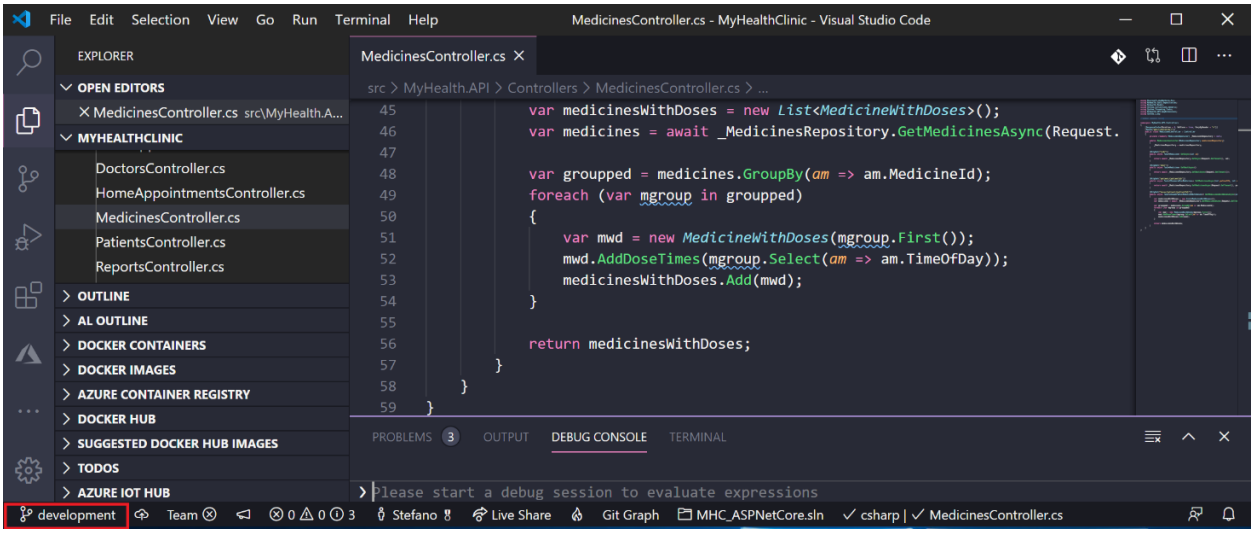

Azure DevOps
demiliani / MyHealthClinic / Repos / Commits / MyHealthClinic
MyHealthClinic
Overview
Boards
Repos
Files
Commits
Pushes
Branches
Tags
Pull requests
Pipelines
Test Plans
master
Commits
Graph
Commit
First commit
27439428 Stefano Demiliani Today at 17:39
first clone
1f9c10e1 Stefano Demiliani Today at 17:30
adding content
ee1dd176 Akshay H 9 gen at 12:31
Updated package.json
ab5b6544 Akshay H 9 gen at 11:36
Updated azuredeploy.json
7c929dc4 Akshay H 9 gen at 11:35
Updated package.json
5a15d268 Nagaraj B 13 ago 2018 at 07:04
Updated Readme.md
3b2c7a27 Nagaraj B 3 mag 2018 at 16:10

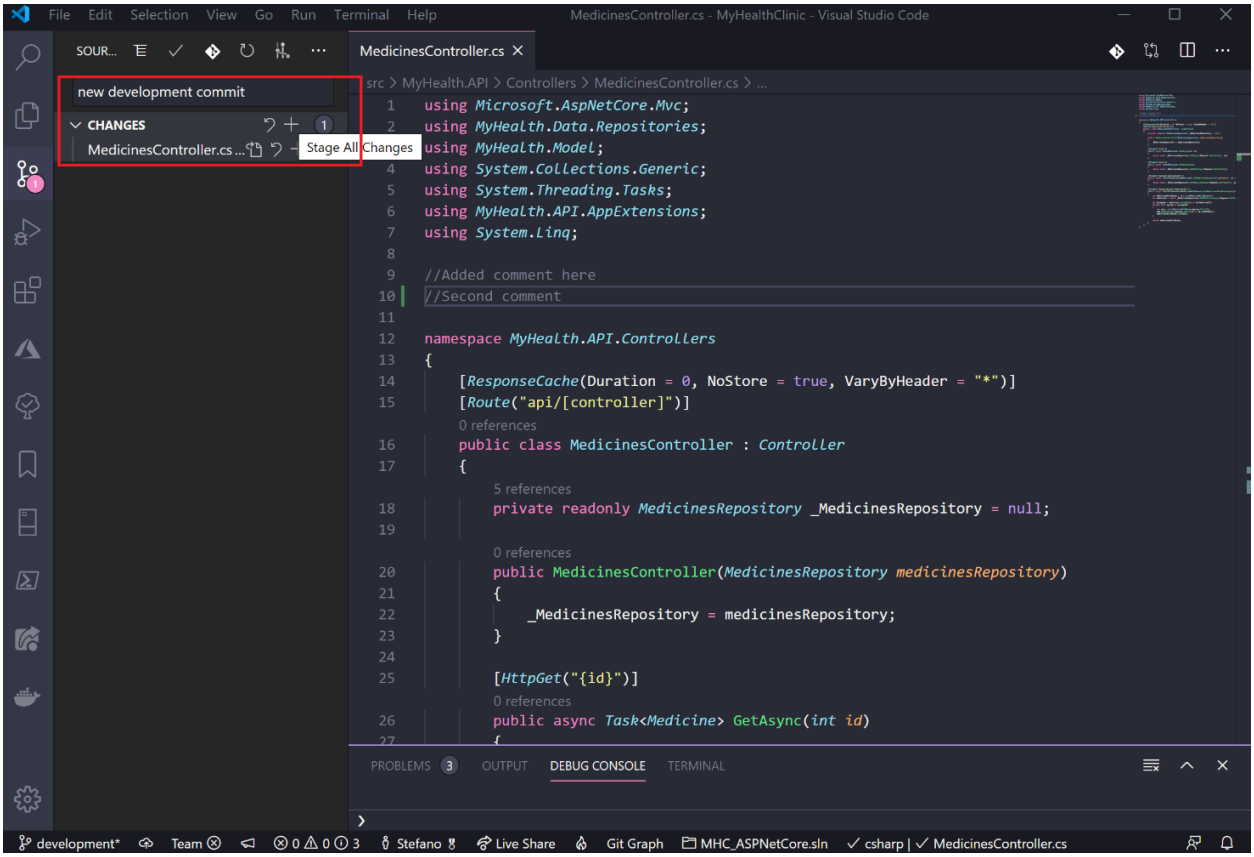

Azure DevOps
Repos / Branches / MyHealthClinic
Search
MyHealthClinic
Overview
Boards
Repos
Files
Commits
Pushes
Branches
Tags
Branches
New branch
Mine All Stale
Search branch name
Branch Commit Author Authored ... Behind | Ahead Status Pull Requ...
AddingContactUs 924ac579 Chri... 4 mag 2... 12 | 2 18
CopyrightUpdate b6f5e2b5 Chri... 4 mag 2... 12 | 1 19
master Default 27439428 Stef... 26m ago

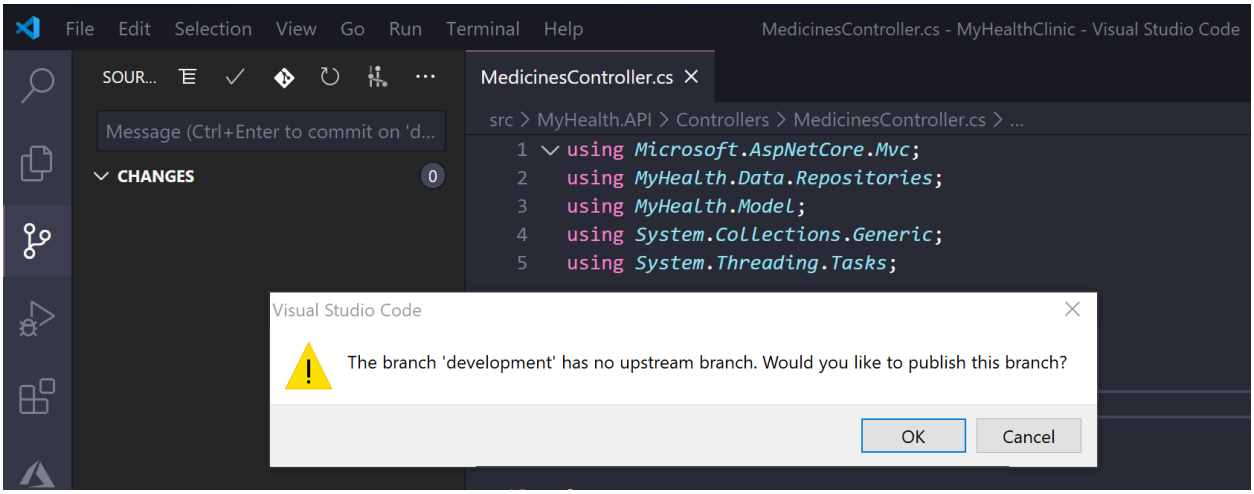

Create a branch
Name *
Based on
master
Cancel
Create

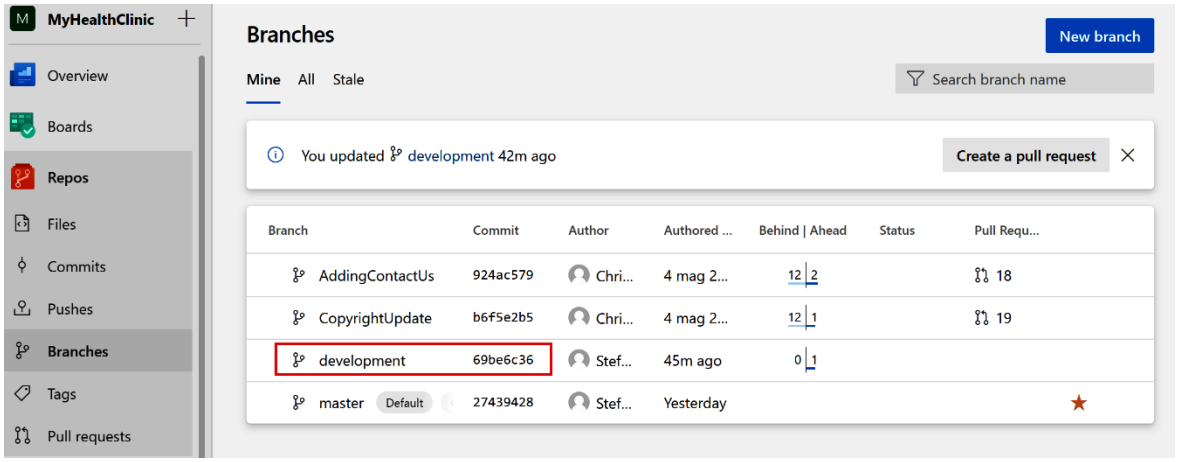

File Edit Selection View Go Run Terminal Help
MedicinesController.cs - MyHealthClinic - Visual Studio Code
Select a ref to checkout
Create new branch...
Create new branch from...
master 27439428
origin/master Remote branch at 27439428
origin/HEAD Remote branch at 27439428
origin/AddingContactUs Remote branch at 924ac579
origin/CopyrightUpdate Remote branch at b6f5e2b5
CHANGES
Message (Ctrl+Enter to commit o
c:\Users\StefanoDemiliani\OneDrive\Packt\Learning Azure DevOps\CH3\Code\MyHealthClinic\src\MyHealth.Model\MyHealth.Model.csproj.
Done: 0.
C:\Program Files\dotnet\sdk\2.2.202\Sdks\Microsoft.NET.Sdk\targets\Microsoft.NET.ObsoleteReferences.targets(33,5): warning NETSDK1059: lo strumento 'Microsoft.Extensions.SecretManager.Tools' è ora incluso in .NET Core SDK. Per informazioni sulla risoluzione di questo avviso, vedere (https://aka.ms/dotnetclitools-in-box). [c:\Users\StefanoDemiliani\OneDrive\Packt\Learning Azure DevOps\CH3\Code\MyHealthClinic\src\MyHealth.Web\MyHealth.Web.csproj]
Il ripristino in 34,1 ms è stato completato per c:\Users\StefanoDemiliani\OneDrive\Packt\Learning Azure DevOps\CH3\Code\MyHealthClinic\src\MyHealth.Data\MyHealth.Data.csproj.
Il ripristino in 34,1 ms è stato completato per c:\Users\StefanoDemiliani\OneDrive\Packt\Learning
master Team Stefano Live Share Git Graph MHC_ASPNetCore.sln csharp | MedicinesController.cs Setup Azure Git

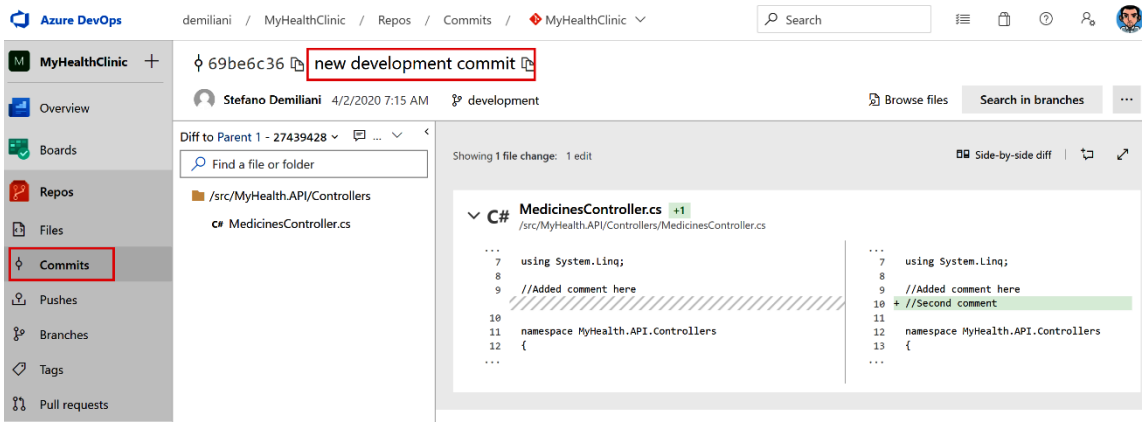

File Edit Selection View Go Run Terminal Help
MedicinesController.cs - MyHealthClinic - Visual Studio Code
development
Please provide a new branch name (Press 'Enter' to confirm or 'Escape' to cancel)
Message (Ctrl+Enter to commit o

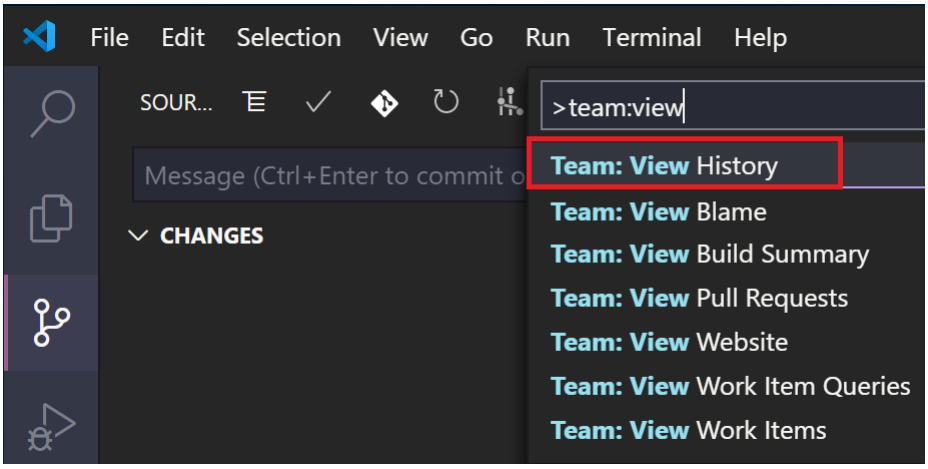

File Edit Selection View Go Run Terminal Help
MedicinesController.cs - MyHealthClinic - Visual Studio Code
EXPLORER
OPEN EDITORS
MedicinesController.cs src\MyHealth.A...
MYHEALTHCLINIC
DoctorsController.cs
HomeAppointmentsController.cs
MedicinesController.cs
PatientsController.cs
ReportsController.cs
OUTLINE
AL OUTLINE
DOCKER CONTAINERS
DOCKER IMAGES
AZURE CONTAINER REGISTRY
DOCKER HUB
SUGGESTED DOCKER HUB IMAGES
TODOS
AZURE IOT HUB
src > MyHealth.API > Controllers > MedicinesController.cs > ...
var medicinesWithDoses = new List<MedicineWithDoses>();
var medicines = await _MedicinesRepository.GetMedicinesAsync(Request.
var groupped = medicines.GroupBy(am => am.MedicineId);
foreach (var mgroup in groupped)
{
var mwd = new MedicineWithDoses(mgroup.First());
mwd.AddDoseTimes(mgroup.Select(am => am.TimeOfDay));
medicinesWithDoses.Add(mwd);
}
return medicinesWithDoses;
PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL
Please start a debug session to evaluate expressions
development Team Stefano Live Share Git Graph MHC_ASPNetCore.sln csharp | MedicinesController.cs

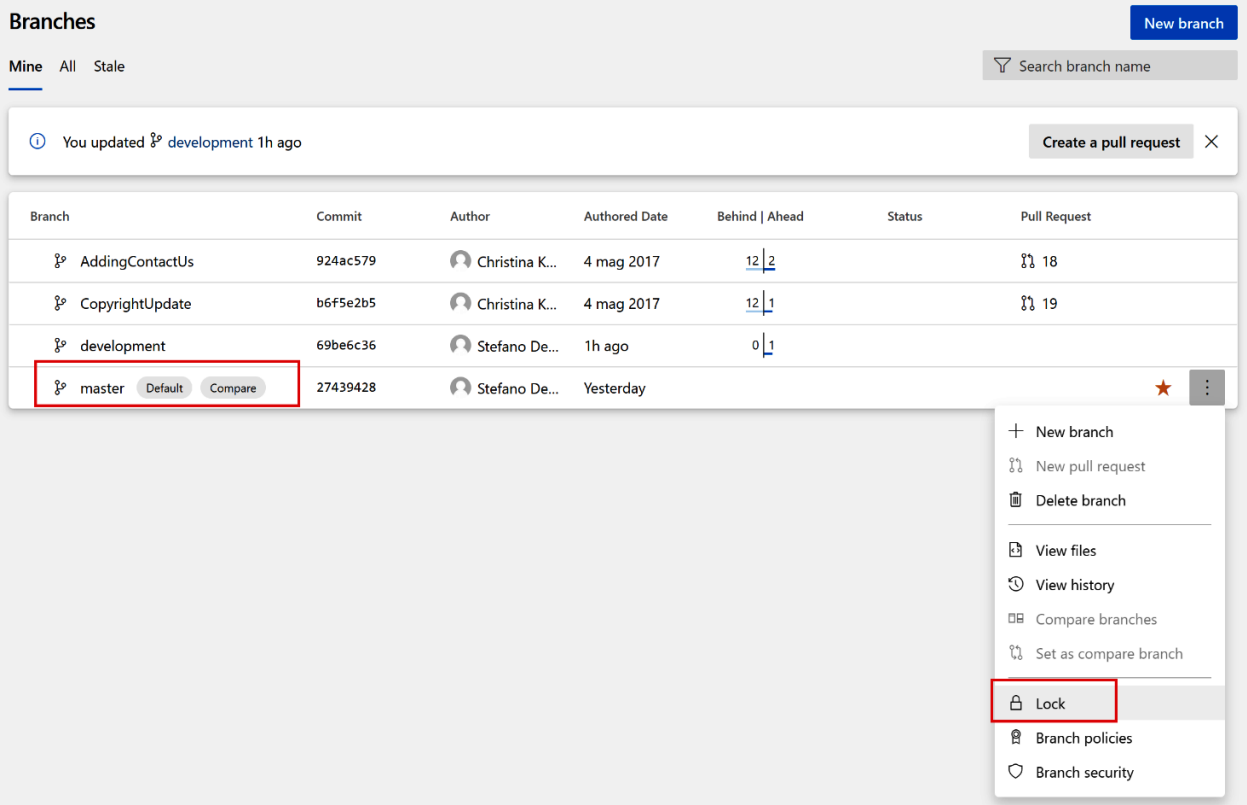

File Edit Selection View Go Run Terminal Help
MedicinesController.cs - MyHealthClinic - Visual Studio Code
SOUR...
new development commit
CHANGES
MedicinesController.cs ...
Stage All Changes
MedicinesController.cs
src > MyHealth.API > Controllers > MedicinesController.cs > ...
using Microsoft.AspNetCore.Mvc;
using MyHealth.Data.Repositories;
using MyHealth.Model;
using System.Collections.Generic;
using System.Threading.Tasks;
using MyHealth.API.AppExtensions;
using System.Linq;
//Added comment here
//Second comment
namespace MyHealth.API.Controllers
{
[ResponseCache(Duration = 0, NoStore = true, VaryByHeader = "*")]
[Route("api/[controller]")]
0 references
public class MedicinesController : Controller
{
5 references
private readonly MedicinesRepository _MedicinesRepository = null;
0 references
public MedicinesController(MedicinesRepository medicinesRepository)
{
_MedicinesRepository = medicinesRepository;
}
[HttpGet("{id}")]
0 references
public async Task<Medicine> GetAsync(int id)
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
development*
Team
0 0 3
Stefano
Live Share
Git Graph
MHC_ASPNetCore.sln
csharp | MedicinesController.cs

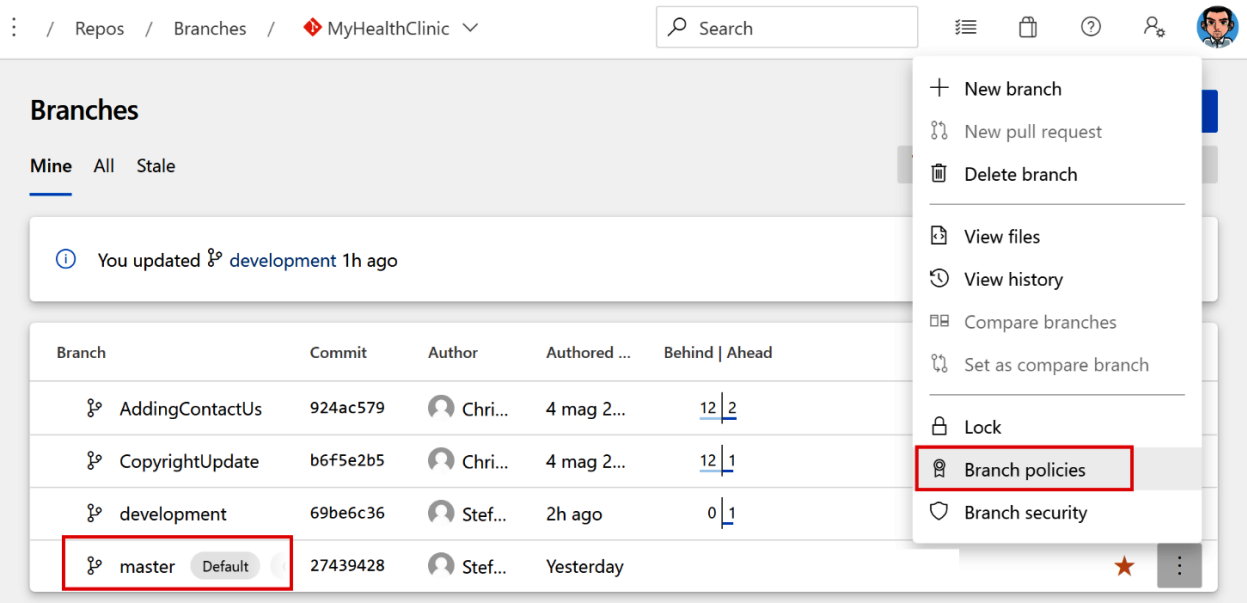

File Edit Selection View Go Run Terminal Help
MedicinesController.cs - MyHealthClinic - Visual Studio Code
SOUR...
Message (Ctrl+Enter to commit on 'd...
CHANGES
0
MedicinesController.cs
src > MyHealth.API > Controllers > MedicinesController.cs > ...
using Microsoft.AspNetCore.Mvc;
using MyHealth.Data.Repositories;
using MyHealth.Model;
using System.Collections.Generic;
using System.Threading.Tasks;
Visual Studio Code
The branch 'development' has no upstream branch. Would you like to publish this branch?
OK
Cancel


MyHealthClinic
Overview
Boards
Repos
Files
Commits
Pushes
Branches
Tags
Pull requests
Branches
New branch
Mine All Stale
Search branch name
You updated development 42m ago
Create a pull request
Branch Commit Author Authored ... Behind | Ahead Status Pull Requ...
AddingContactUs 924ac579 Chri... 4 mag 2... 12 | 2 18
CopyrightUpdate b6f5e2b5 Chri... 4 mag 2... 12 | 1 19
development 69be6c36 Stef... 45m ago 0 | 1
master Default 27439428 Stef... Yesterday


Azure DevOps
demiliani / MyHealthClinic / Repos / Commits / MyHealthClinic
Search
MyHealthClinic
Overview
Boards
Repos
Files
Commits
Pushes
Branches
Tags
Pull requests
69be6c36 new development commit
Stefano Demiliani 4/2/2020 7:15 AM development
Browse files
Search in branches
Diff to Parent 1 - 27439428
Find a file or folder
/src/MyHealth.API/Controllers
MedicinesController.cs
Showing 1 file change: 1 edit
Side-by-side diff
C# MedicinesController.cs +1
/src/MyHealth.API/Controllers/MedicinesController.cs
using System.Linq;
//Added comment here
namespace MyHealth.API.Controllers
{
using System.Linq;
//Added comment here
+ //Second comment
namespace MyHealth.API.Controllers
{


File Edit Selection View Go Run Terminal Help
SOUR...
>team:view
Message (Ctrl+Enter to commit o
CHANGES
Team: View History
Team: View Blame
Team: View Build Summary
Team: View Pull Requests
Team: View Website
Team: View Work Item Queries
Team: View Work Items


Branches
New branch
Mine All Stale
Search branch name
You updated development 1h ago
Create a pull request
Branch Commit Author Authored Date Behind | Ahead Status Pull Request
AddingContactUs 924ac579 Christina K... 4 mag 2017 12 | 2 18
CopyrightUpdate b6f5e2b5 Christina K... 4 mag 2017 12 | 1 19
development 69be6c36 Stefano De... 1h ago 0 | 1
master Default Compare 27439428 Stefano De... Yesterday
New branch
New pull request
Delete branch
View files
View history
Compare branches
Set as compare branch
Lock
Branch policies
Branch security


Repos / Branches / MyHealthClinic
Search
Branches
Mine All Stale
You updated development 1h ago
Branch Commit Author Authored ... Behind | Ahead
AddingContactUs 924ac579 Chri... 4 mag 2... 12 | 2
CopyrightUpdate b6f5e2b5 Chri... 4 mag 2... 12 | 1
development 69be6c36 Stef... 2h ago 0 | 1
master Default 27439428 Stef... Yesterday
New branch
New pull request
Delete branch
View files
View history
Compare branches
Set as compare branch
Lock
Branch policies
Branch security

- [x] **Require a minimum number of reviewers**
  Require approval from a specified number of reviewers on pull requests.

  Minimum number of reviewers: 2

  - [ ] Allow requestors to approve their own changes
  - [ ] Allow completion even if some reviewers vote to wait or reject
  - [ ] Reset code reviewer votes when there are new changes

- [x] **Check for linked work items**
  Encourage traceability by checking for linked work items on pull requests.

  Policy requirement

  - (•) Required
    Block pull requests from being completed unless they have at least one linked work item.
  - ( ) Optional
    Warn if there are no linked work items, but allow pull requests to be completed.

- [x] **Check for comment resolution**
  Check to see that all comments have been resolved on pull requests.

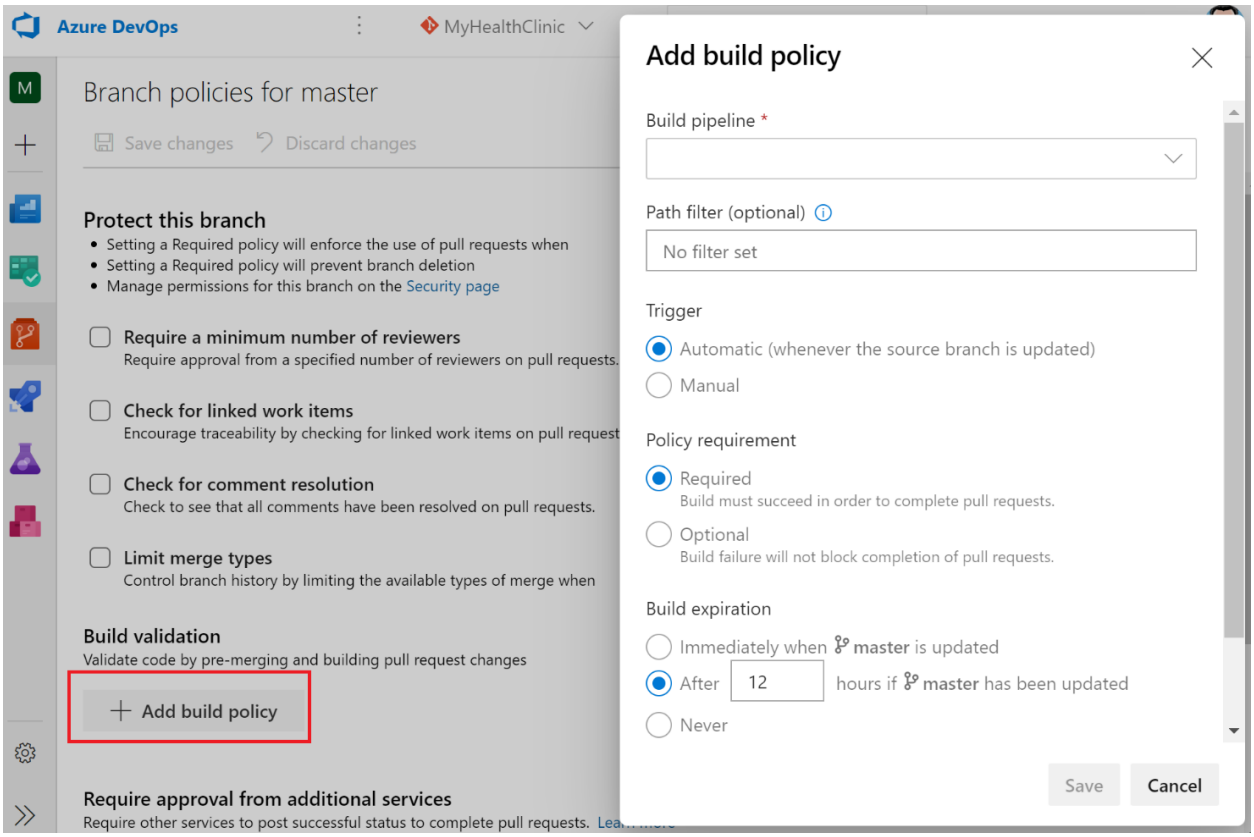
  Policy requirement

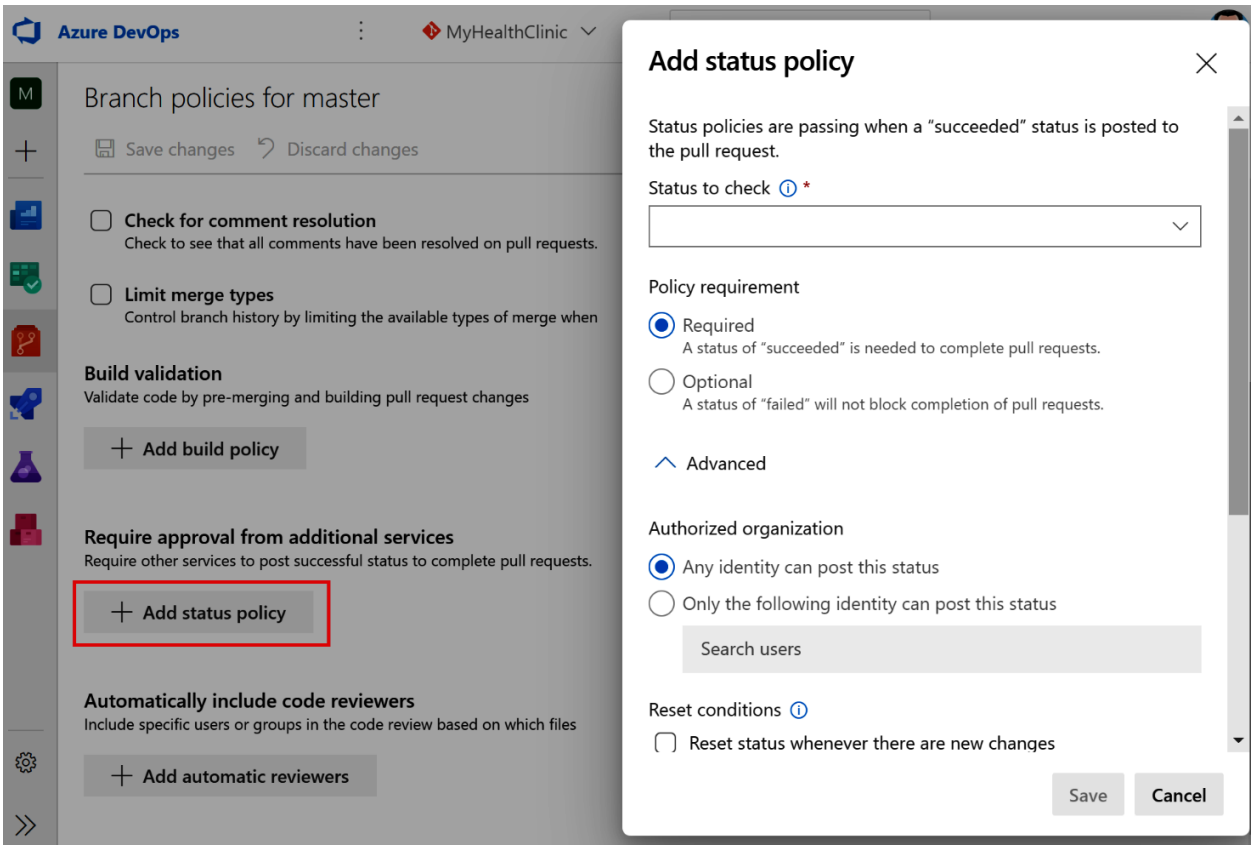
  - (•) Required
    Block pull requests from being completed while any comments are active.
  - ( ) Optional
    Warn if any comments are active, but allow pull requests to be completed.

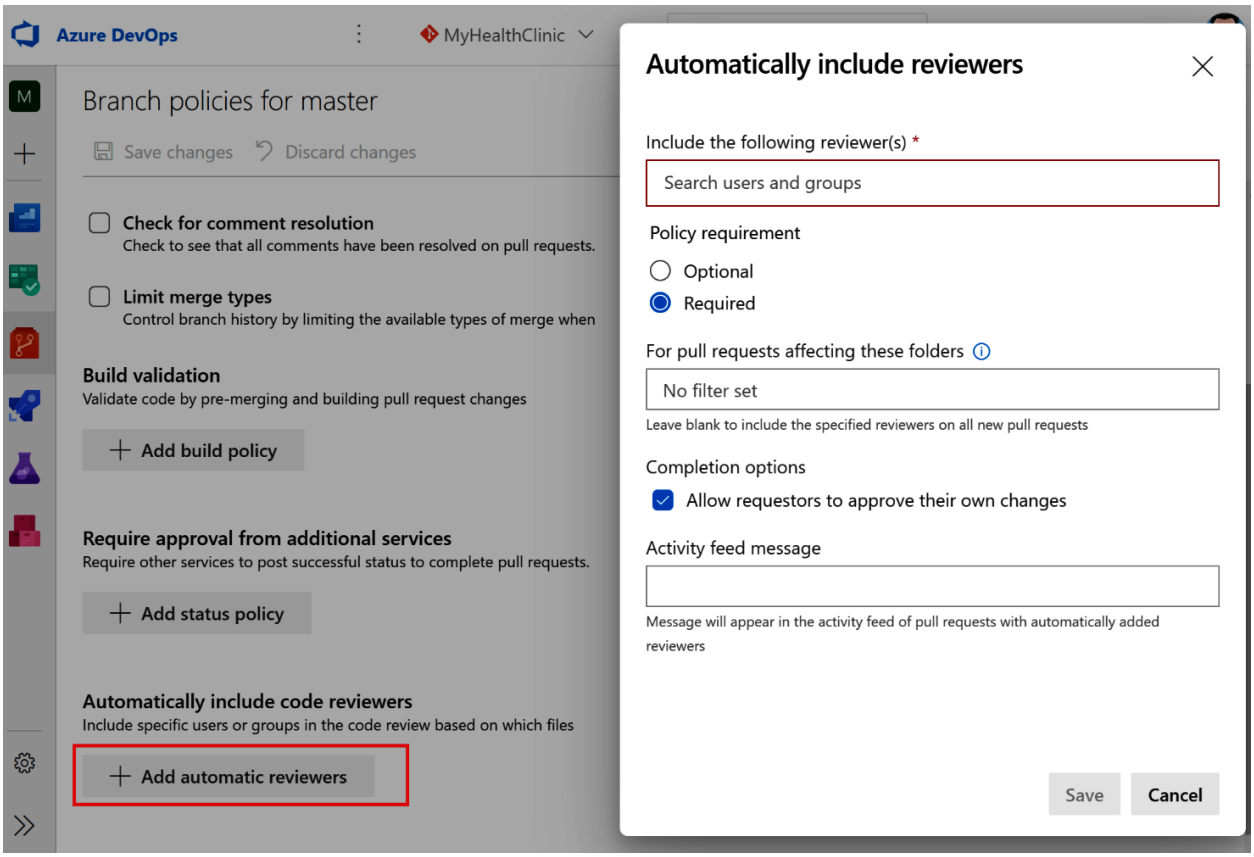
- [x] **Limit merge types**
  Control branch history by limiting the available types of merge when pull requests are completed.

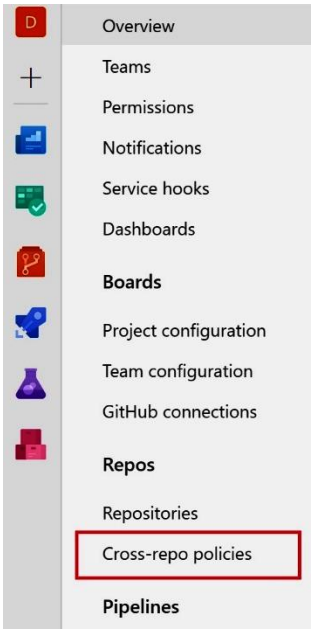
  Allowed merge types:

  - [x] Basic merge (no fast-forward)
    Preserves nonlinear history exactly as it happened during development.
  - [x] Squash merge
    Creates a linear history by condensing the source branch commits into a single new commit on the target branch.
  - [x] Rebase and fast-forward
    Creates a linear history by replaying the source branch commits onto the target without a merge commit.
  - [x] Rebase with merge commit
    Creates a semi-linear history by replaying the source branch commits onto the target and then creating a merge commit.


Azure DevOps
MyHealthClinic
Branch policies for master
Save changes
Discard changes
Protect this branch
Setting a Required policy will enforce the use of pull requests when
Setting a Required policy will prevent branch deletion
Manage permissions for this branch on the Security page
Require a minimum number of reviewers
Require approval from a specified number of reviewers on pull requests.
Check for linked work items
Encourage traceability by checking for linked work items on pull request
Check for comment resolution
Check to see that all comments have been resolved on pull requests.
Limit merge types
Control branch history by limiting the available types of merge when
Build validation
Validate code by pre-merging and building pull request changes
Add build policy
Require approval from additional services
Require other services to post successful status to complete pull requests.
Add build policy
Build pipeline *
Path filter (optional)
No filter set
Trigger
Automatic (whenever the source branch is updated)
Manual
Policy requirement
Required
Build must succeed in order to complete pull requests.
Optional
Build failure will not block completion of pull requests.
Build expiration
Immediately when master is updated
After 12 hours if master has been updated
Never
Save
Cancel


Azure DevOps
MyHealthClinic
Branch policies for master
Save changes
Discard changes
Check for comment resolution
Check to see that all comments have been resolved on pull requests.
Limit merge types
Control branch history by limiting the available types of merge when
Build validation
Validate code by pre-merging and building pull request changes
Add build policy
Require approval from additional services
Require other services to post successful status to complete pull requests.
Add status policy
Automatically include code reviewers
Include specific users or groups in the code review based on which files
Add automatic reviewers
Add status policy
Status policies are passing when a "succeeded" status is posted to the pull request.
Status to check *
Policy requirement
Required
A status of "succeeded" is needed to complete pull requests.
Optional
A status of "failed" will not block completion of pull requests.
Advanced
Authorized organization
Any identity can post this status
Only the following identity can post this status
Search users
Reset conditions
Reset status whenever there are new changes
Save
Cancel


Azure DevOps
MyHealthClinic
Branch policies for master
Save changes
Discard changes
Check for comment resolution
Check to see that all comments have been resolved on pull requests.
Limit merge types
Control branch history by limiting the available types of merge when
Build validation
Validate code by pre-merging and building pull request changes
Add build policy
Require approval from additional services
Require other services to post successful status to complete pull requests.
Add status policy
Automatically include code reviewers
Include specific users or groups in the code review based on which files
Add automatic reviewers
Automatically include reviewers
Include the following reviewer(s) *
Search users and groups
Policy requirement
Optional
Required
For pull requests affecting these folders
No filter set
Leave blank to include the specified reviewers on all new pull requests
Completion options
Allow requestors to approve their own changes
Activity feed message
Message will appear in the activity feed of pull requests with automatically added reviewers
Save
Cancel


Overview
Teams
Permissions
Notifications
Service hooks
Dashboards
Boards
Project configuration
Team configuration
GitHub connections
Repos
Repositories
Cross-repo policies
Pipelines

Add branch protection

Branches to protect

- ○ Protect the default branch of each repository
- ◉ Protect current and future branches matching a specified pattern

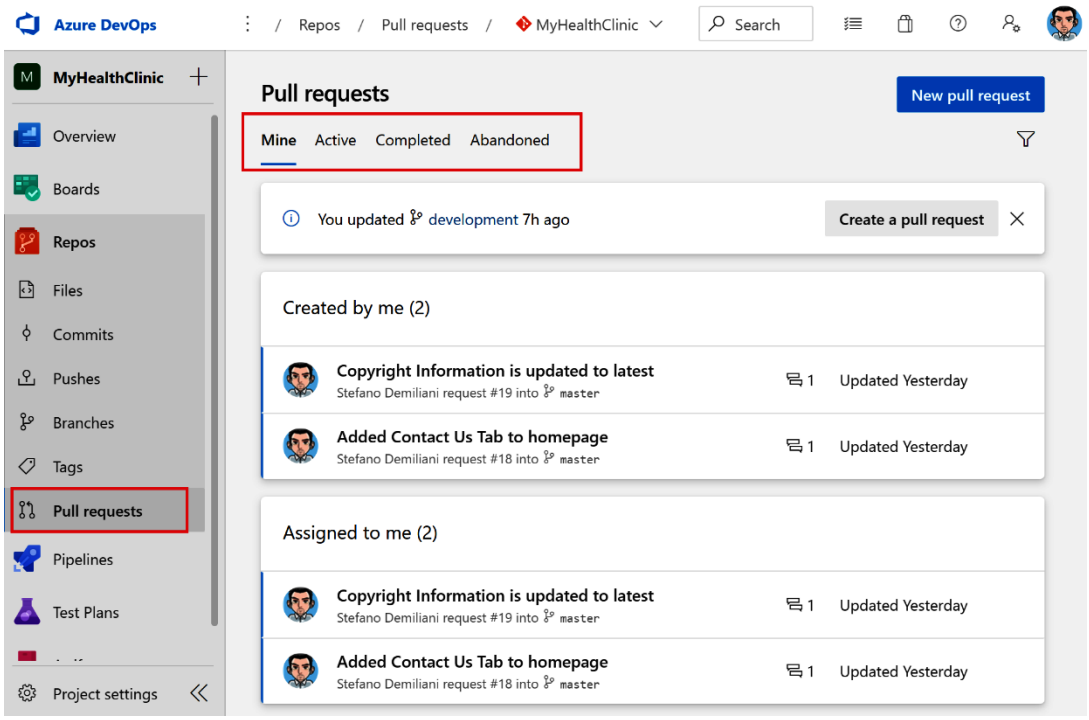
*

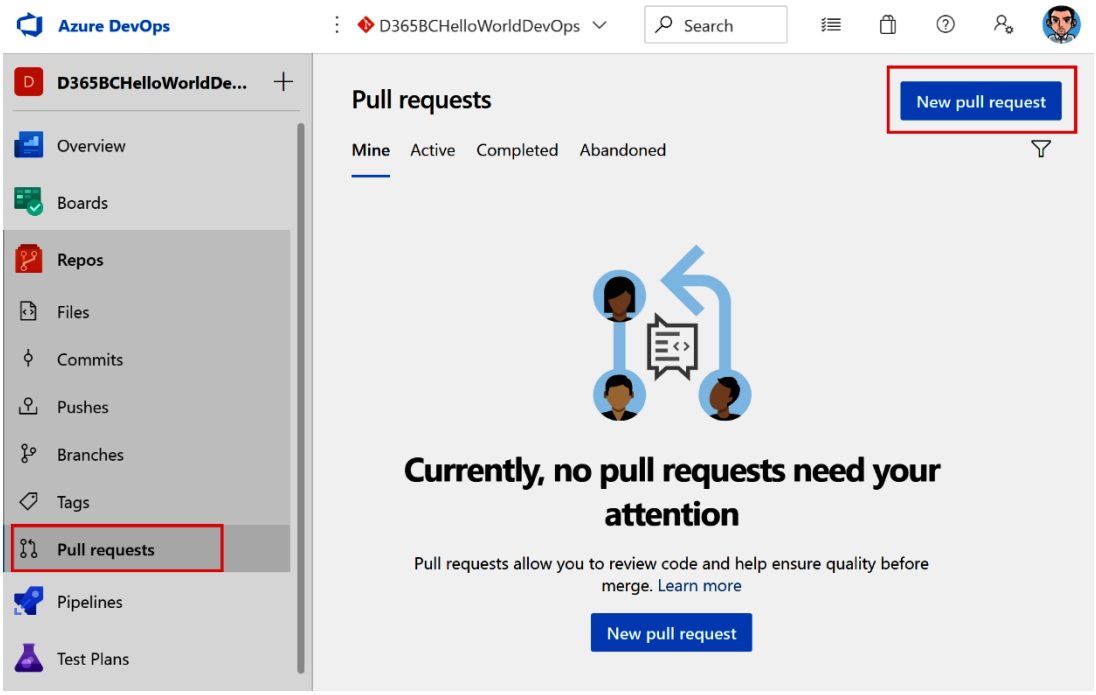
Example patterns: “master”, “releases/*”, “*”

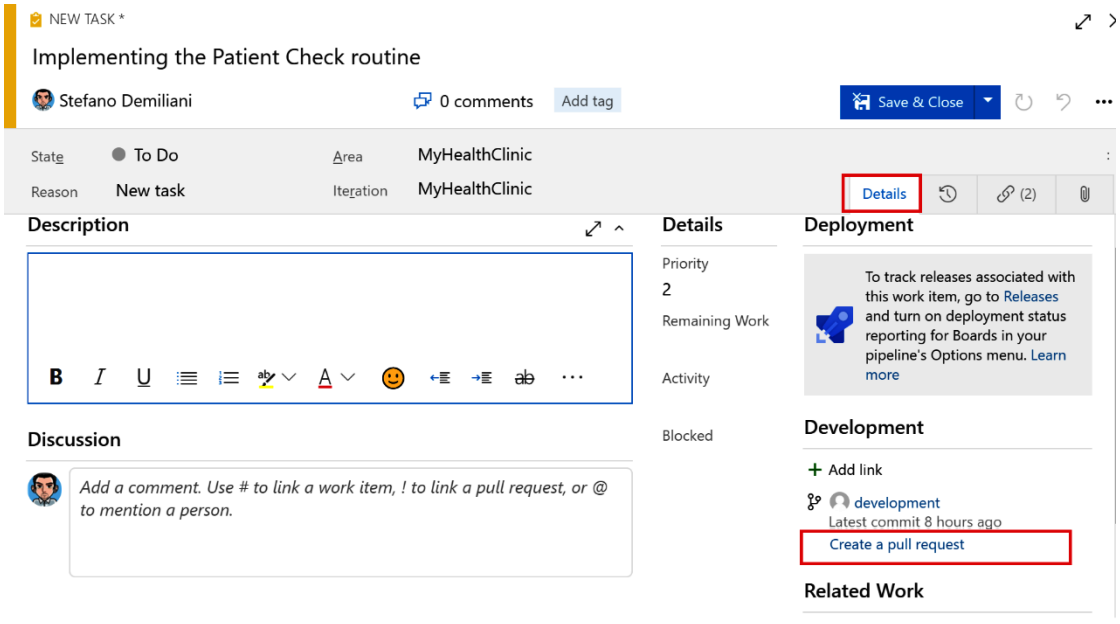
Matches 1 branch in 1 repo

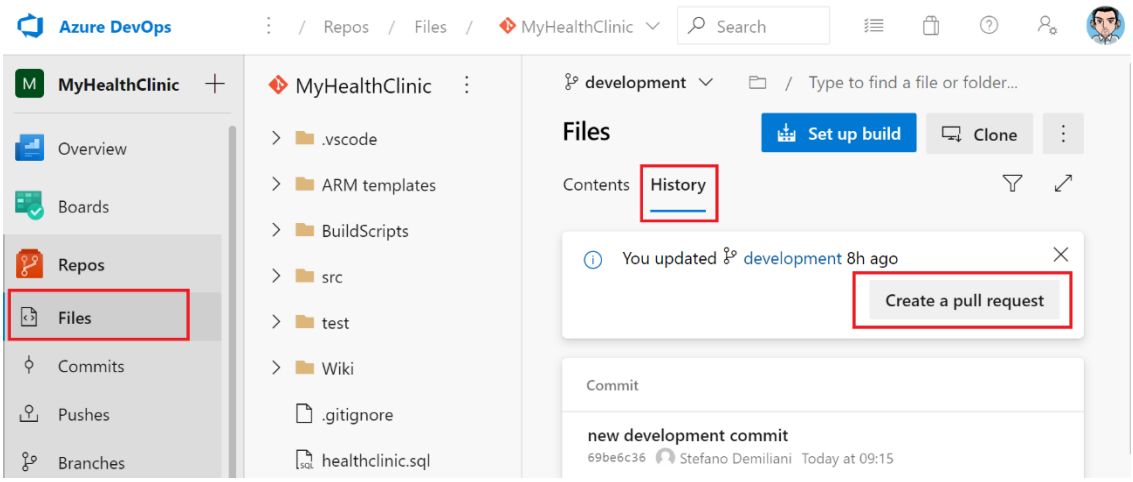
master

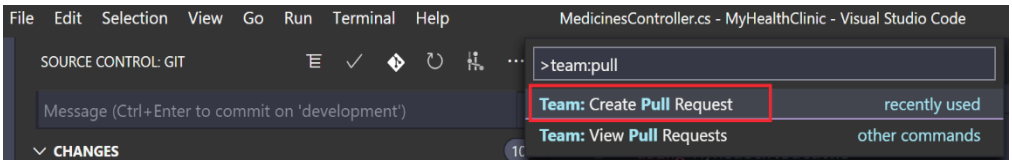
D365BCHelloWorldDevOps

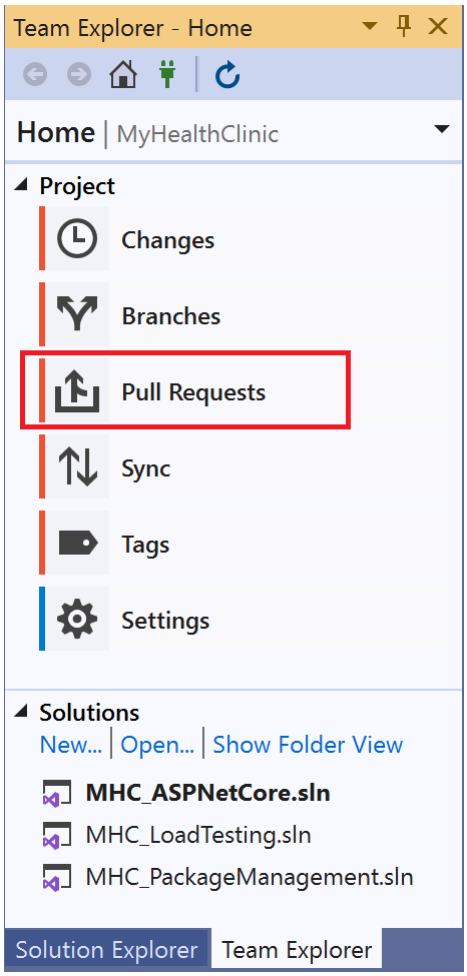


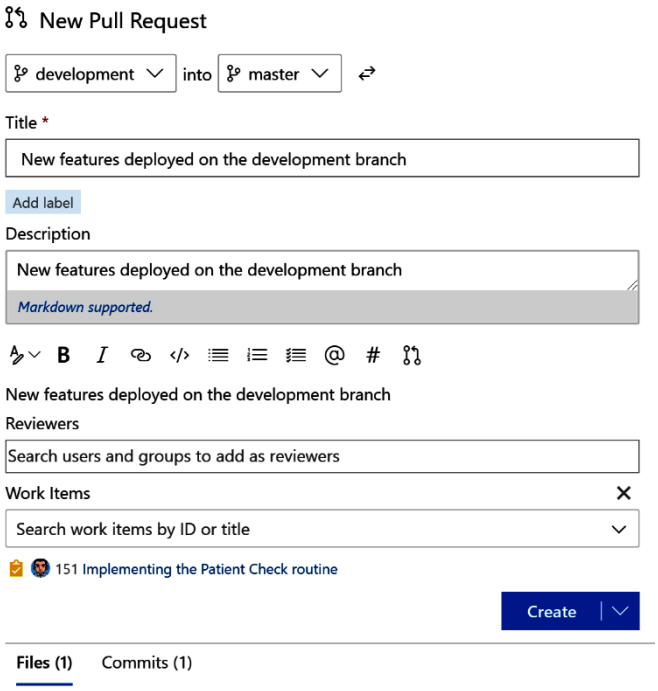

Azure DevOps
D365BCHelloWorldDevOps
Search
D365BCHelloWorldDe...
Overview
Boards
Repos
Files
Commits
Pushes
Branches
Tags
Pull requests
Pipelines
Test Plans
Pull requests
New pull request
Mine
Active
Completed
Abandoned
Currently, no pull requests need your attention
Pull requests allow you to review code and help ensure quality before merge. Learn more
New pull request

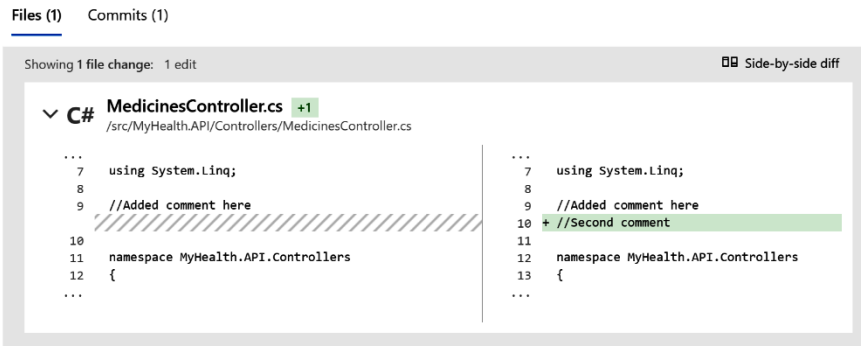

NEW TASK *
Implementing the Patient Check routine
Stefano Demiliani
0 comments
Add tag
Save & Close
State
To Do
Area
MyHealthClinic
Reason
New task
Iteration
MyHealthClinic
Details
(2)
Description
Discussion
Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.
Details
Priority
2
Remaining Work
Activity
Blocked
Deployment
To track releases associated with this work item, go to Releases and turn on deployment status reporting for Boards in your pipeline's Options menu. Learn more
Development
Add link
development
Latest commit 8 hours ago
Create a pull request
Related Work

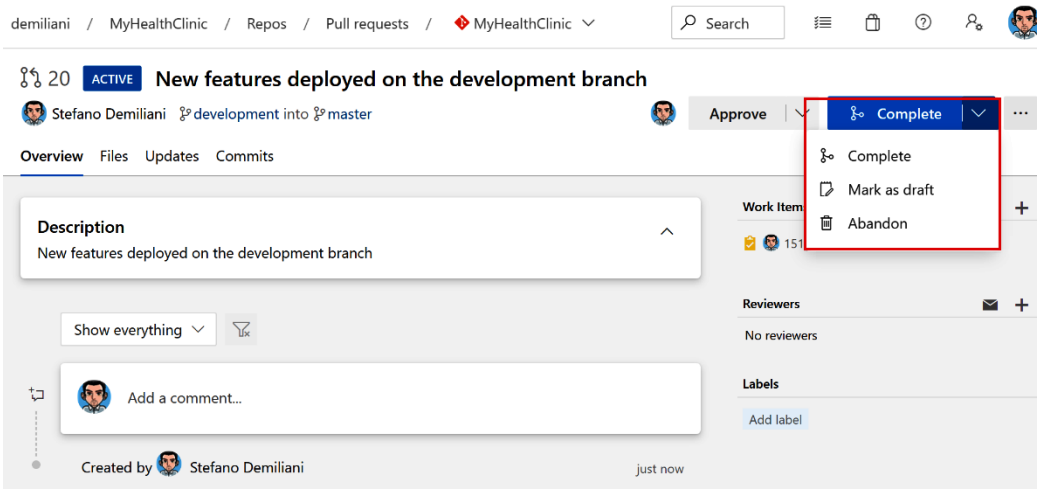

Azure DevOps
Repos
Files
MyHealthClinic
Search
MyHealthClinic
Overview
Boards
Repos
Files
Commits
Pushes
Branches
.vscode
ARM templates
BuildScripts
src
test
Wiki
.gitignore
healthclinic.sql
development
Type to find a file or folder...
Files
Set up build
Clone
Contents
History
You updated development 8h ago
Create a pull request
Commit
new development commit
69be6c36 Stefano Demiliani Today at 09:15

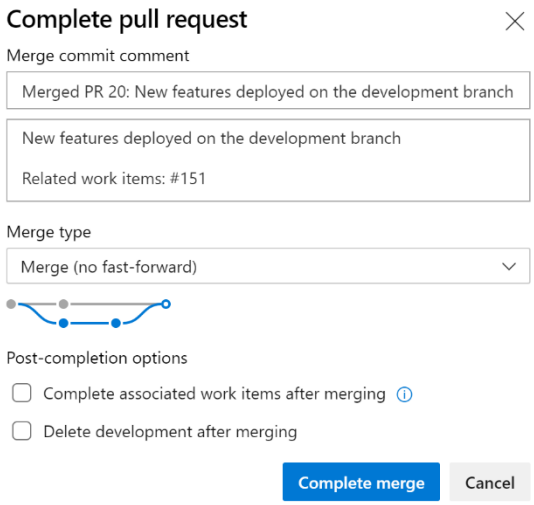

File Edit Selection View Go Run Terminal Help
MedicinesController.cs - MyHealthClinic - Visual Studio Code
SOURCE CONTROL: GIT
>team:pull
Message (Ctrl+Enter to commit on 'development')
Team: Create Pull Request
recently used
Team: View Pull Requests
other commands
CHANGES

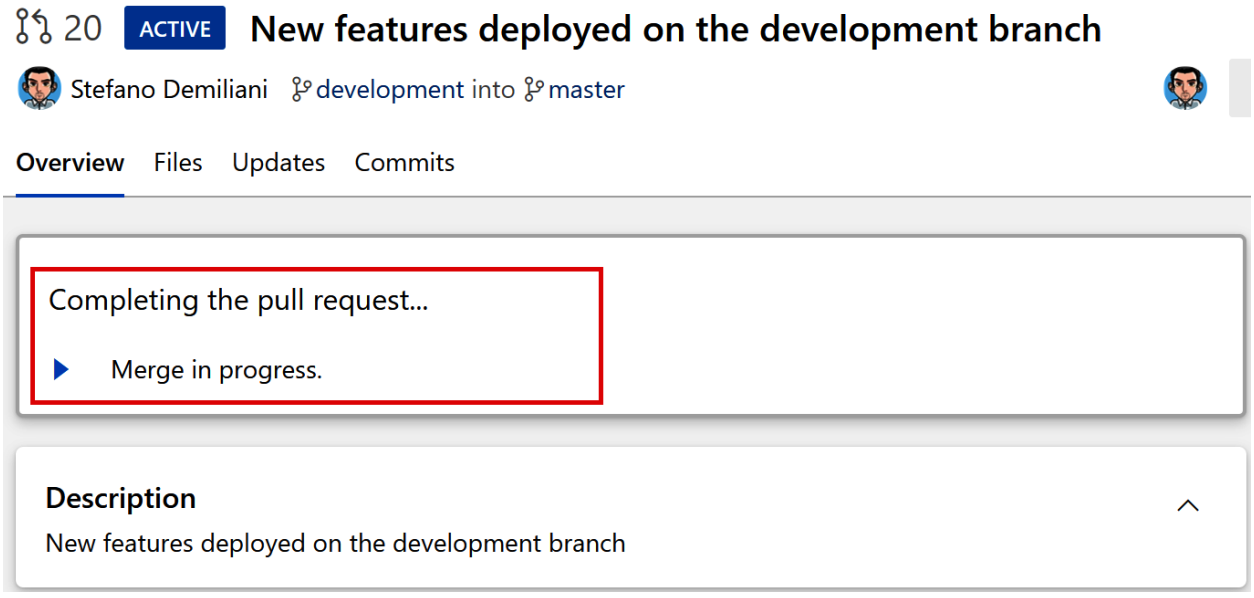

Team Explorer - Home
Home | MyHealthClinic
Project
Changes
Branches
Pull Requests
Sync
Tags
Settings
Solutions
New... | Open... | Show Folder View
MHC_ASPNetCore.sln
MHC_LoadTesting.sln
MHC_PackageManagement.sln
Solution Explorer
Team Explorer

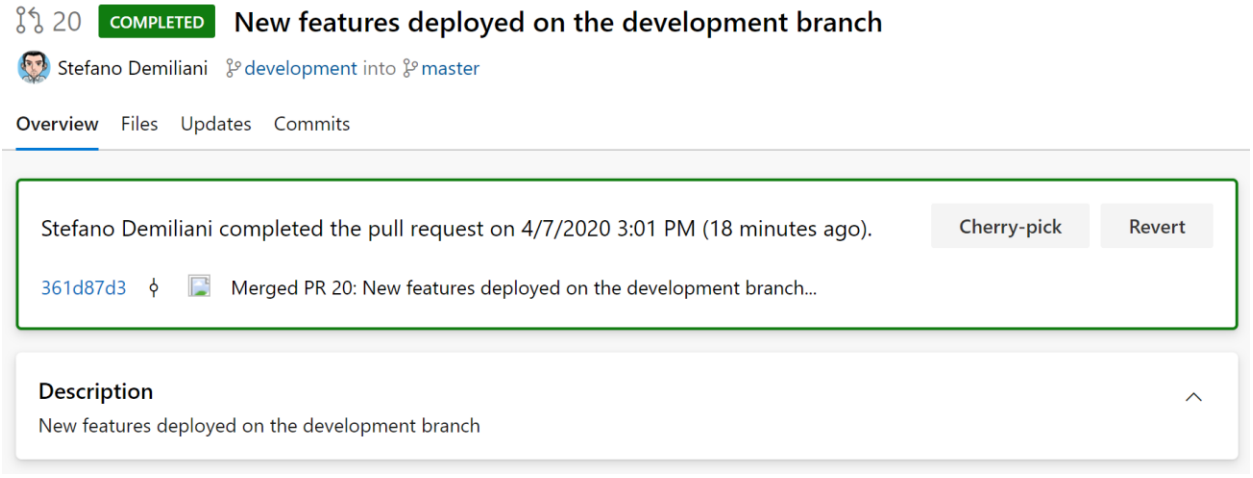

New Pull Request
development
into
master
Title *
New features deployed on the development branch
Add label
Description
New features deployed on the development branch
Markdown supported.
New features deployed on the development branch
Reviewers
Search users and groups to add as reviewers
Work Items
Search work items by ID or title
151 Implementing the Patient Check routine
Create
Files (1)
Commits (1)

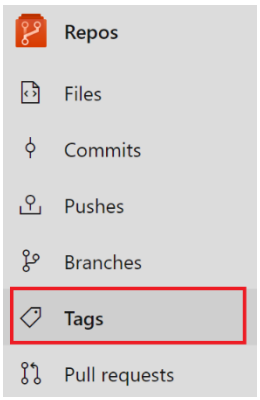

Files (1)
Commits (1)
Showing 1 file change: 1 edit
Side-by-side diff
C#
MedicinesController.cs
+1
/src/MyHealth.API/Controllers/MedicinesController.cs
using System.Linq;
//Added comment here
namespace MyHealth.API.Controllers
{
using System.Linq;
//Added comment here
+ //Second comment
namespace MyHealth.API.Controllers
{


demiliani / MyHealthClinic / Repos / Pull requests / MyHealthClinic
Search
20
ACTIVE
New features deployed on the development branch
Stefano Demiliani
development into master
Approve
Complete
Complete
Mark as draft
Abandon
Overview
Files
Updates
Commits
Description
New features deployed on the development branch
Work Item
151
Reviewers
No reviewers
Labels
Add label
Show everything
Add a comment...
Created by Stefano Demiliani
just now


Complete pull request
Merge commit comment
Merged PR 20: New features deployed on the development branch
New features deployed on the development branch
Related work items: #151
Merge type
Merge (no fast-forward)
Post-completion options
Complete associated work items after merging
Delete development after merging
Complete merge
Cancel


20
ACTIVE
New features deployed on the development branch
Stefano Demiliani
development into master
Overview
Files
Updates
Commits
Completing the pull request...
Merge in progress.
Description
New features deployed on the development branch


20
COMPLETED
New features deployed on the development branch
Stefano Demiliani
development into master
Overview
Files
Updates
Commits
Stefano Demiliani completed the pull request on 4/7/2020 3:01 PM (18 minutes ago).
Cherry-pick
Revert
361d87d3
Merged PR 20: New features deployed on the development branch...
Description
New features deployed on the development branch



Create a tag

Name *

v2.0.0.0

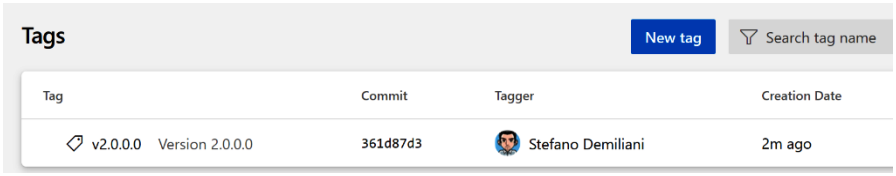
Based on

master

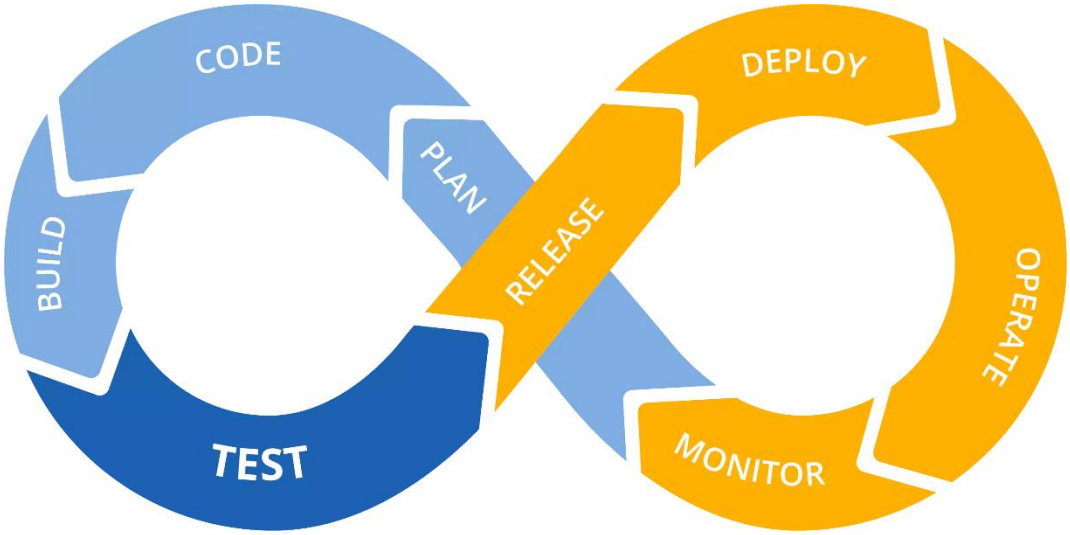
Description *

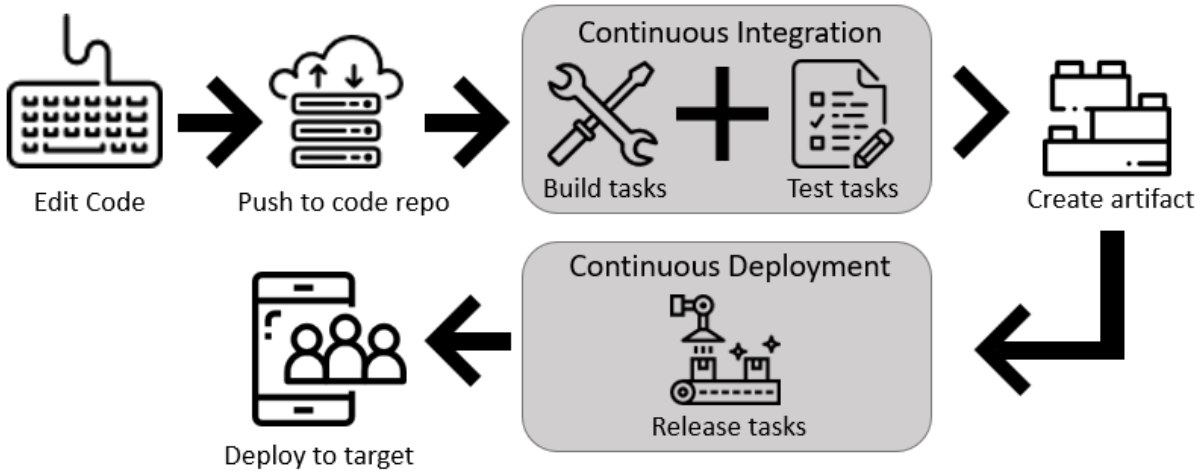
Version 2.0.0.0

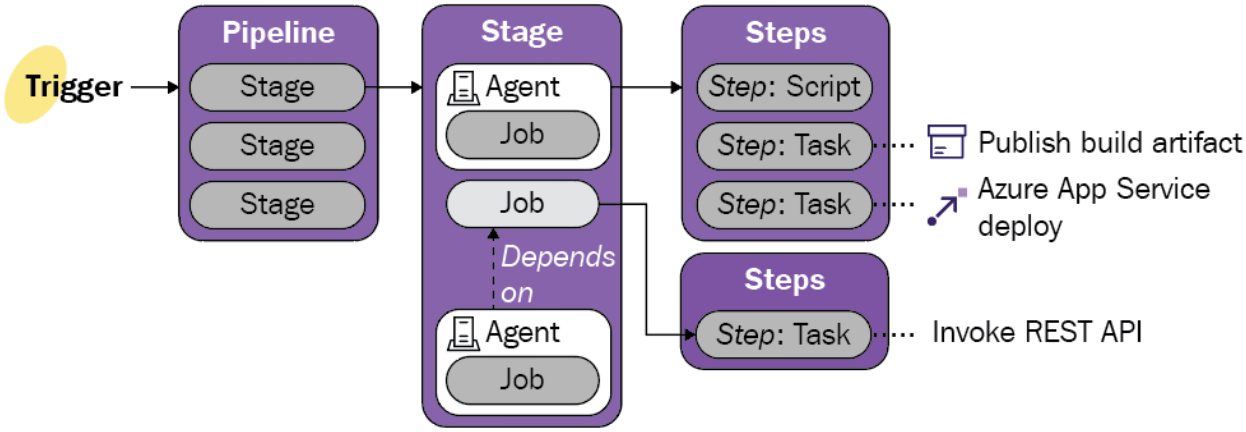
Cancel Create

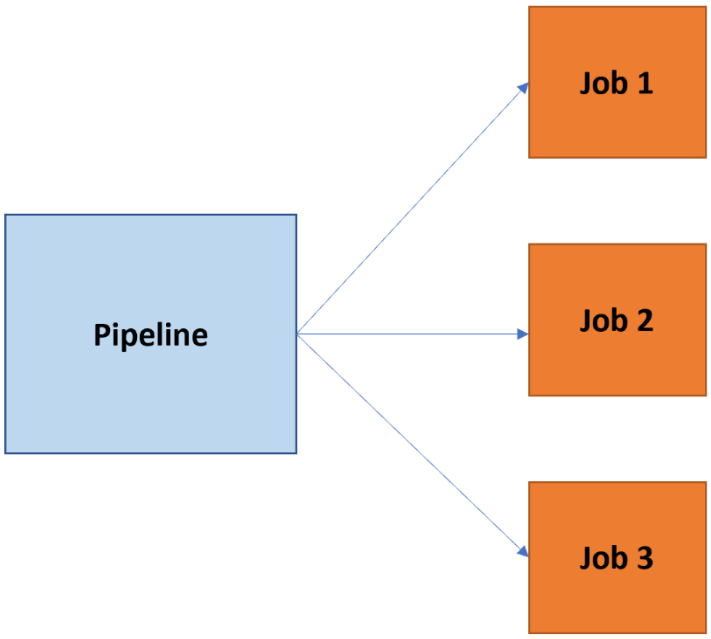


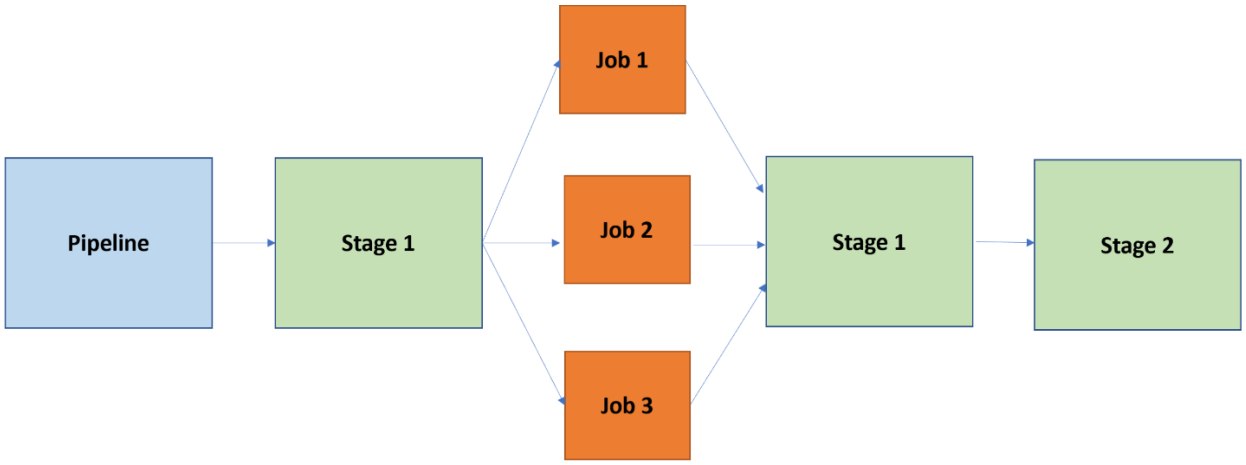
Chapter 4: Understanding Azure DevOps Pipelines

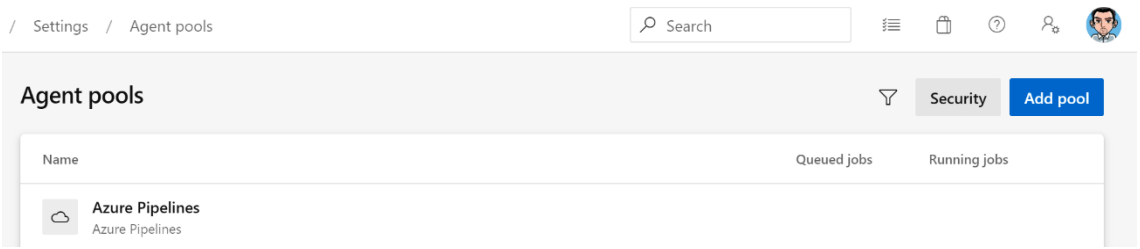


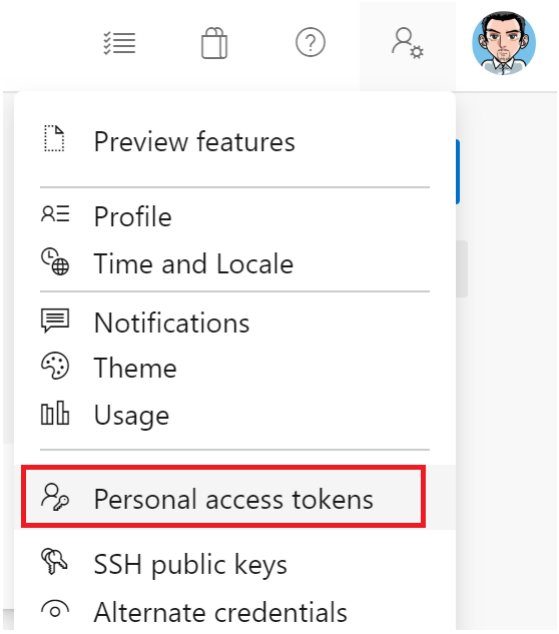





Pipeline
Job 1
Job 2
Job 3


Pipeline
Stage 1
Job 1
Job 2
Job 3
Stage 1
Stage 2


Settings
Agent pools
Search
Agent pools
Security
Add pool
Name
Queued jobs
Running jobs
Azure Pipelines
Azure Pipelines



Create a new personal access token

Name

buildagenttoken

Organization

demiliani

Expiration (UTC)

30 days

4/6/2020

Scopes

Authorize the scope of access associated with this token

Scopes ○ Full access

● Custom defined

Agent Pools

Manage agent pools and agents

Read ☑ Read & manage

Analytics

Read data from the analytics service

☐ Read

Auditing

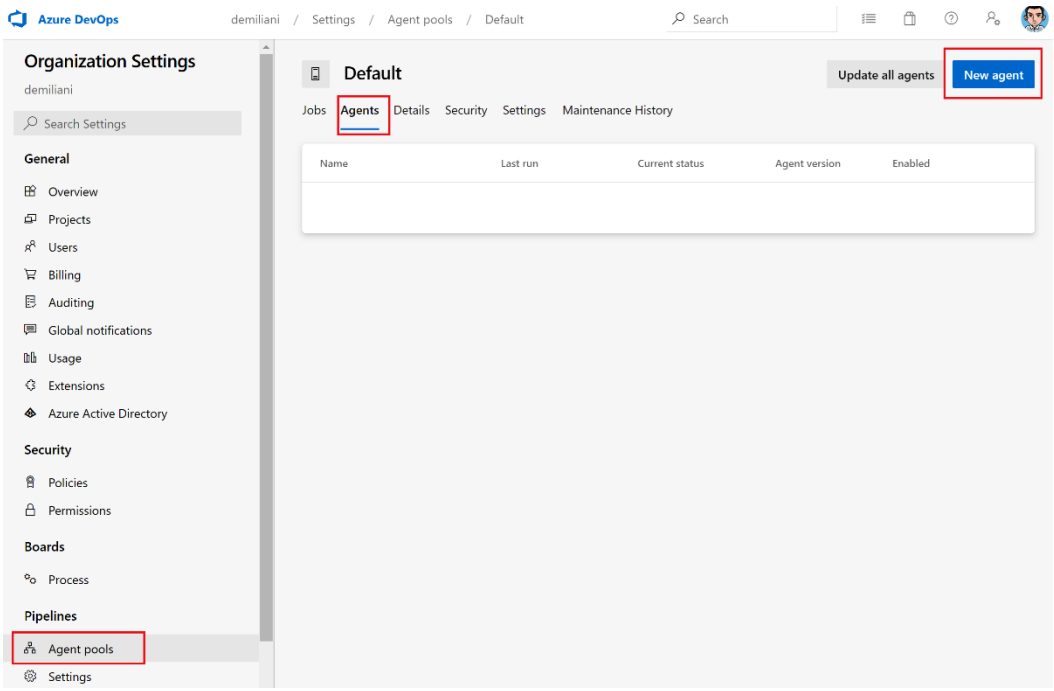
Read audit log events, manage and delete streams.

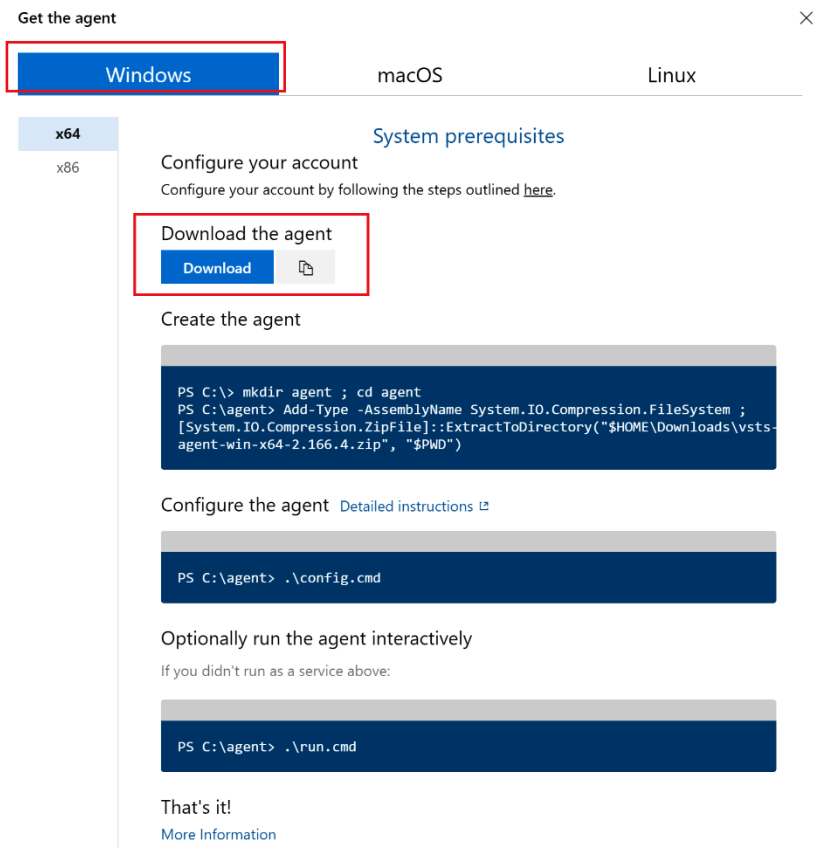
☐ Read Audit Log

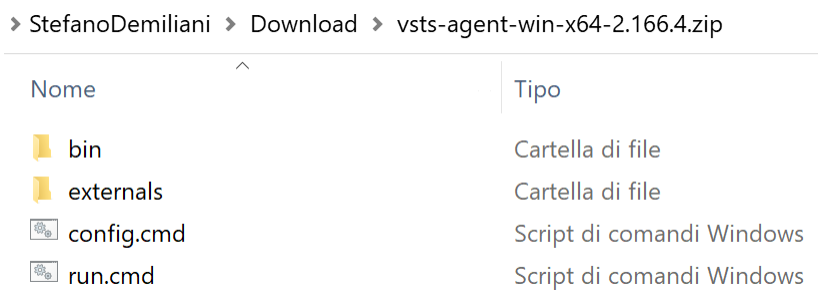
Build

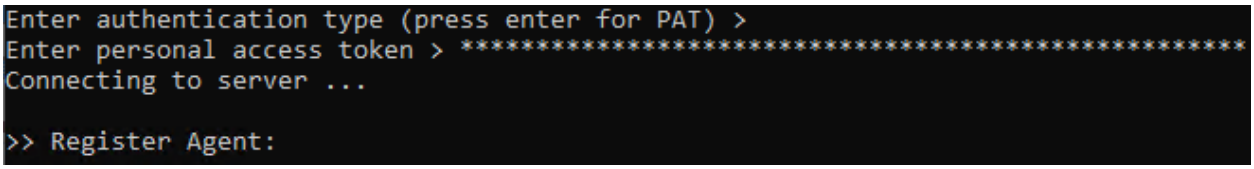
Show less scopes

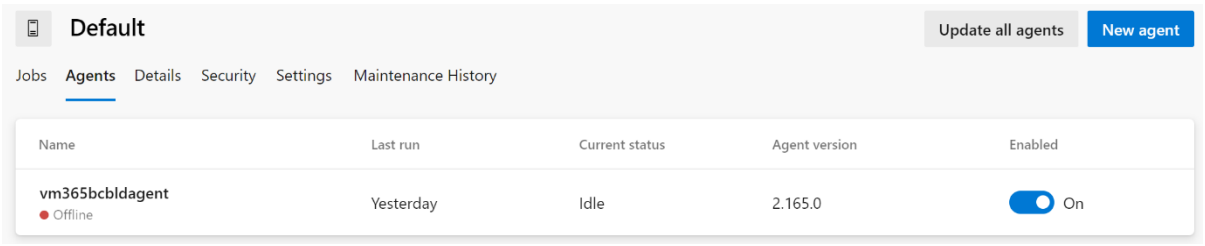
Create Cancel

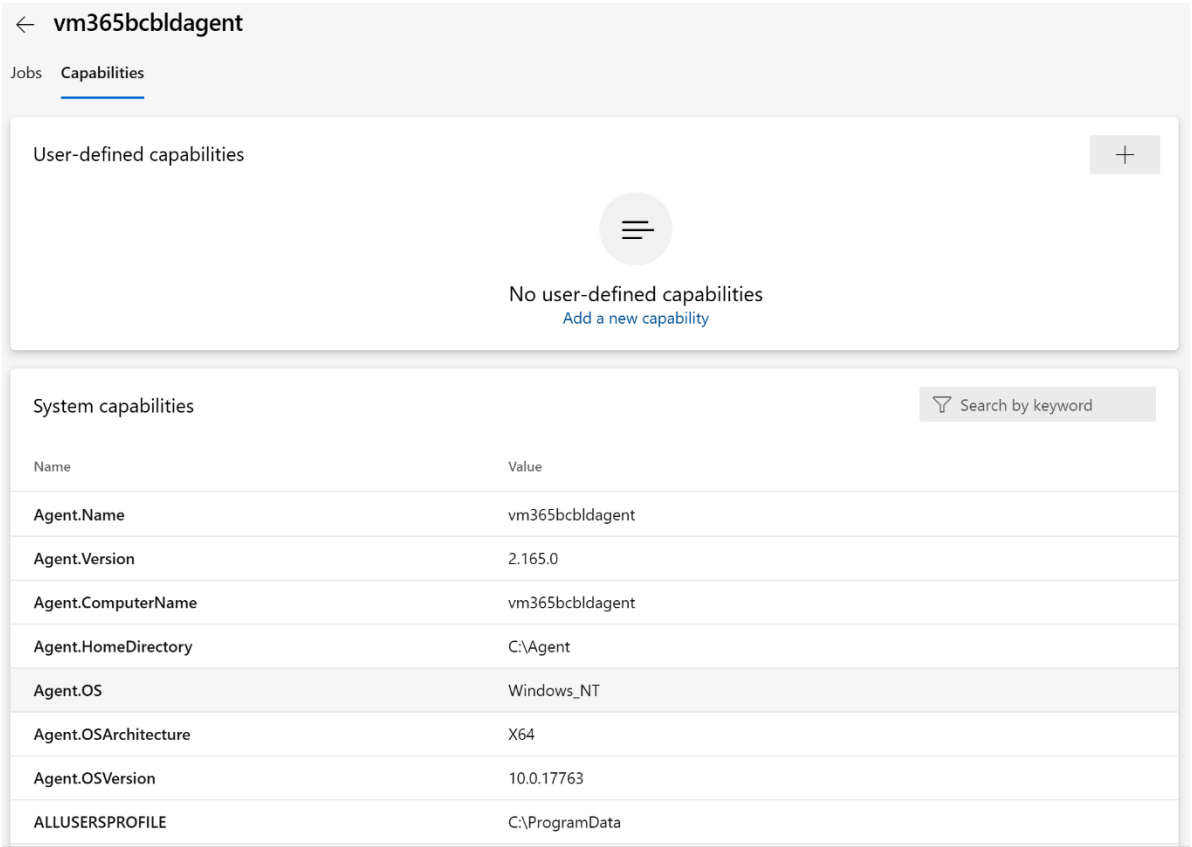

Azure DevOps
demiliani / Settings / Agent pools / Default
Search
Organization Settings
demiliani
Search Settings
General
Overview
Projects
Users
Billing
Auditing
Global notifications
Usage
Extensions
Azure Active Directory
Security
Policies
Permissions
Boards
Process
Pipelines
Agent pools
Settings
Default
Update all agents
New agent
Jobs
Agents
Details
Security
Settings
Maintenance History
Name
Last run
Current status
Agent version
Enabled

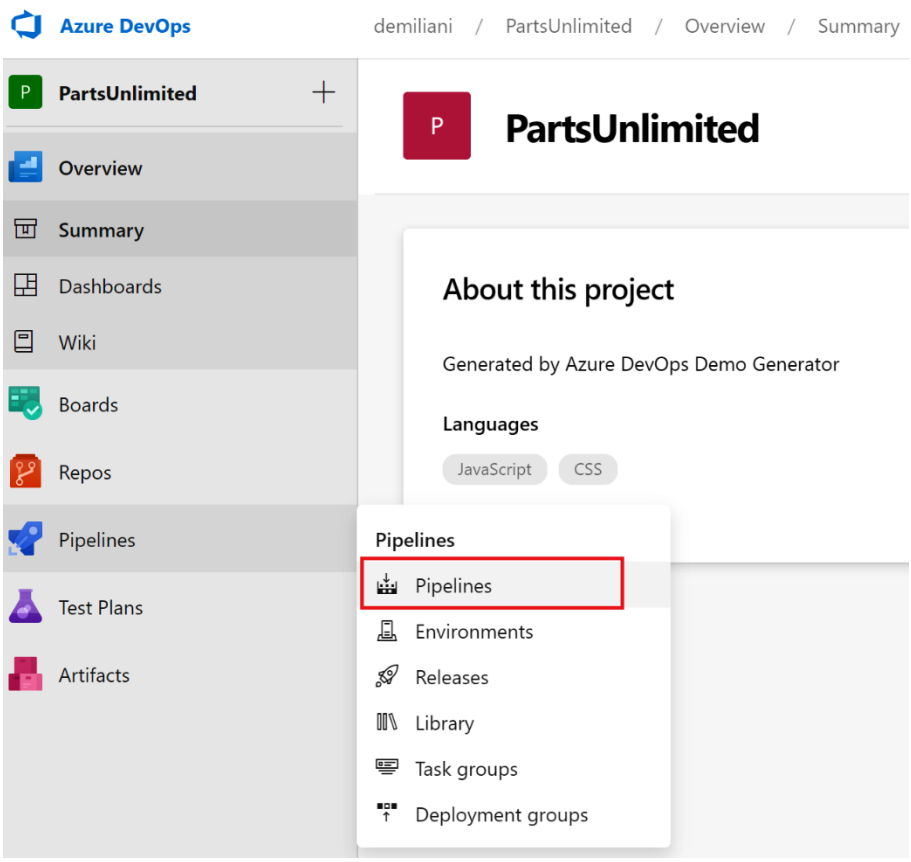

Get the agent
Windows
macOS
Linux
x64
x86
System prerequisites
Configure your account
Configure your account by following the steps outlined here.
Download the agent
Download
Create the agent
PS C:\> mkdir agent ; cd agent
PS C:\agent> Add-Type -AssemblyName System.IO.Compression.FileSystem ;
[System.IO.Compression.ZipFile]::ExtractToDirectory("$HOME\Downloads\vsts-agent-win-x64-2.166.4.zip", "$PWD")
Configure the agent
Detailed instructions
PS C:\agent> .\config.cmd
Optionally run the agent interactively
If you didn't run as a service above:
PS C:\agent> .\run.cmd
That's it!
More Information


StefanoDemiliani
Download
vsts-agent-win-x64-2.166.4.zip
Nome
Tipo
bin
Cartella di file
externals
Cartella di file
config.cmd
Script di comandi Windows
run.cmd
Script di comandi Windows


Enter authentication type (press enter for PAT) >
Enter personal access token > **********
Connecting to server ...
>> Register Agent:


Default
Update all agents
New agent
Jobs
Agents
Details
Security
Settings
Maintenance History
Name
Last run
Current status
Agent version
Enabled
vm365bcbldagent
Offline
Yesterday
Idle
2.165.0
On


vm365bcbldagent
Jobs
Capabilities
User-defined capabilities
No user-defined capabilities
Add a new capability
System capabilities
Search by keyword
Name
Value
Agent.Name
vm365bcbldagent
Agent.Version
2.165.0
Agent.ComputerName
vm365bcbldagent
Agent.HomeDirectory
C:\Agent
Agent.OS
Windows_NT
Agent.OSArchitecture
X64
Agent.OSVersion
10.0.17763
ALLUSERSPROFILE
C:\ProgramData



Connect | Select | Configure | Review

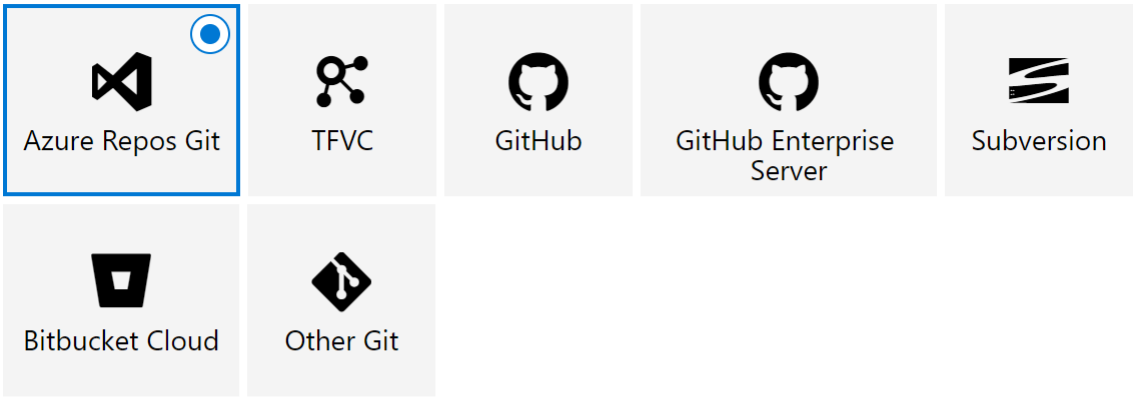
New pipeline

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
- **Other Git**
  Any generic Git repository
- **Subversion**
  Centralized version control by Apache

Use the classic editor to create a pipeline without YAML.

Select a source



Team project

PartsUnlimited

Repository

PartsUnlimited

Default branch for manual and scheduled builds

master

Continue

Select a template

Or start with an **Empty job**

Search

Configuration as code

YAML

Looking for a better experience to configure your pipelines using YAML files? Try the new YAML pipeline creation experience. Learn more

Featured

.NET Desktop

Build and test a .NET or Windows classic desktop solution.

Android

Build, test, sign, and align an Android APK.

ASP.NET

Build and test an ASP.NET web application.

Azure Web App for ASP.NET

Build, package, test, and deploy an ASP.NET Azure Web App.

Docker container

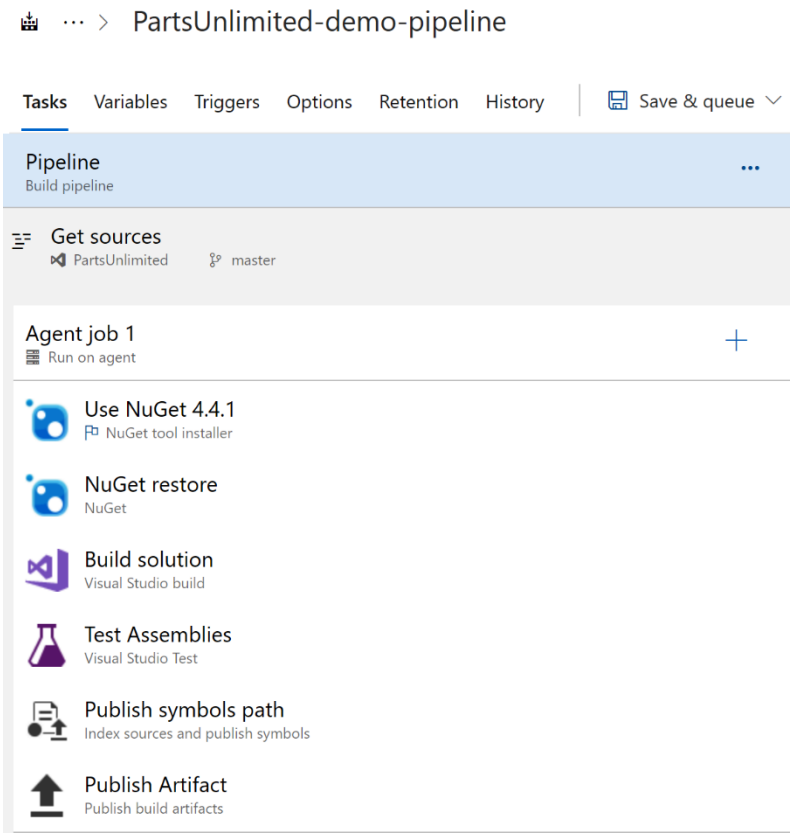
Build a Docker image and push it to a container registry.

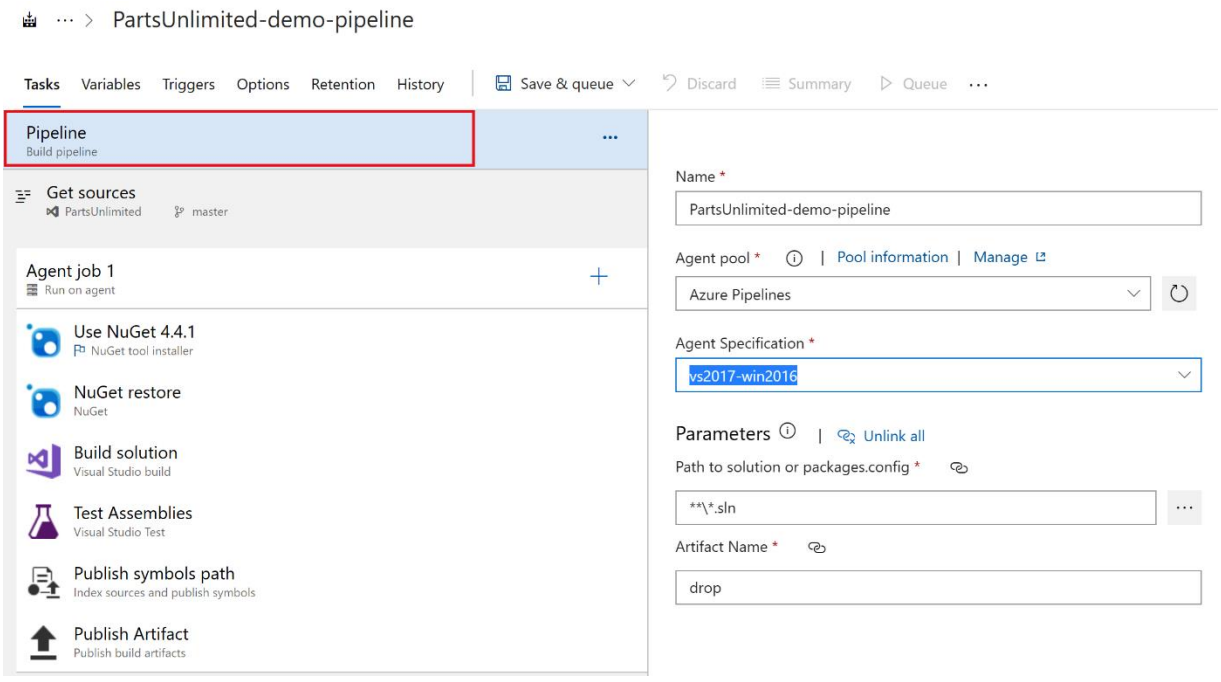
Maven

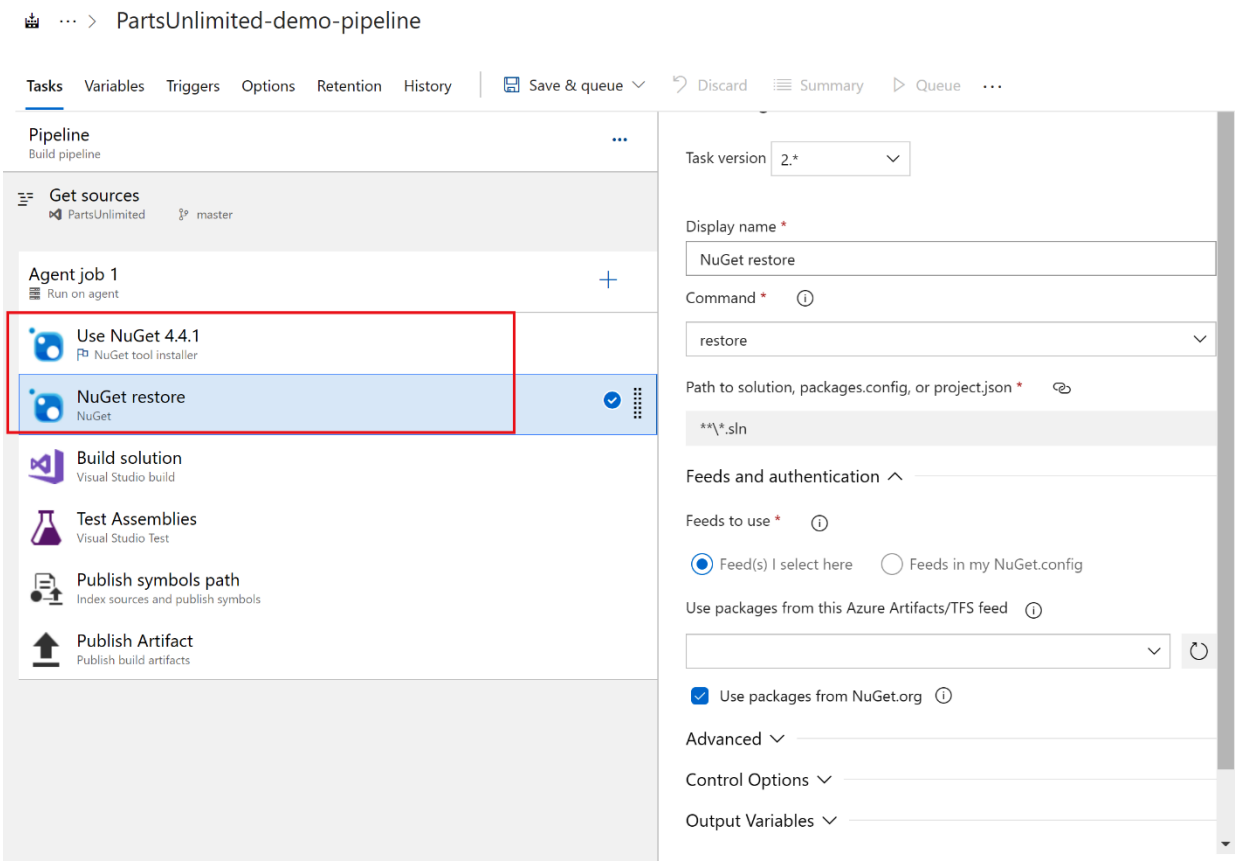
Build and test a Java project with Apache Maven.

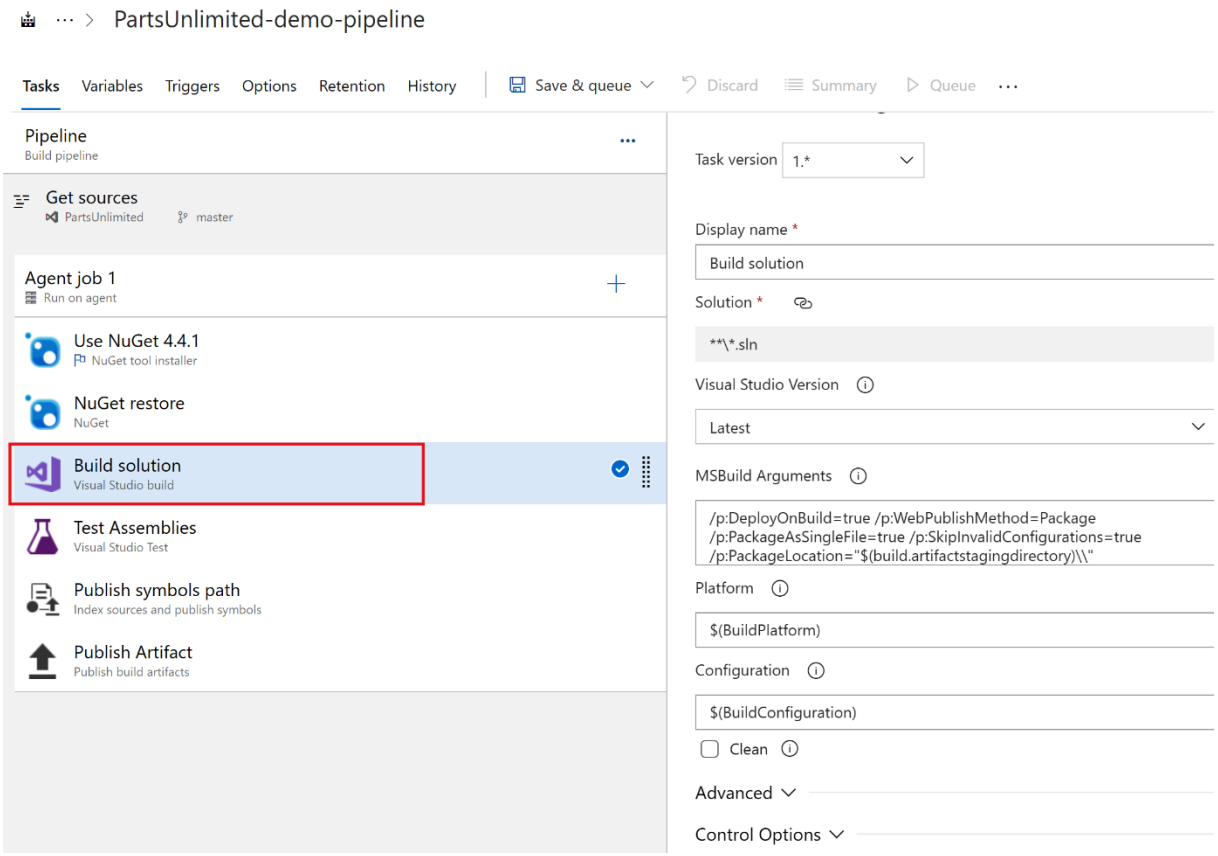
Python package

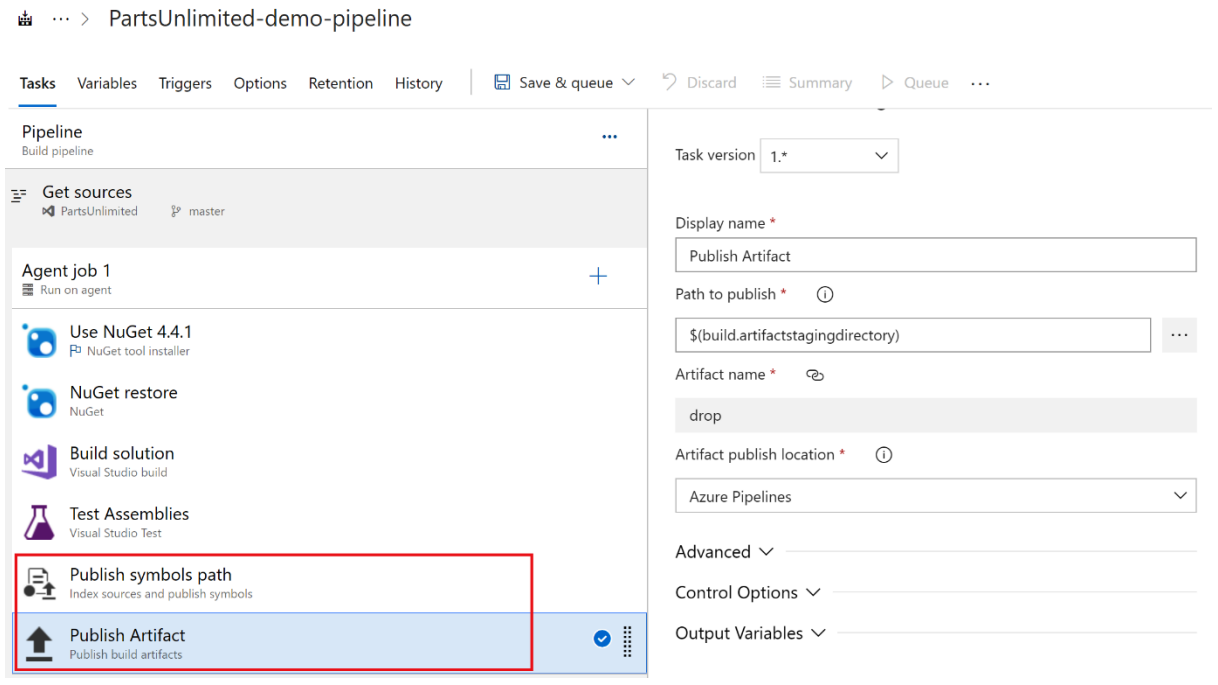
Create and test a Python package on multiple Python versions.

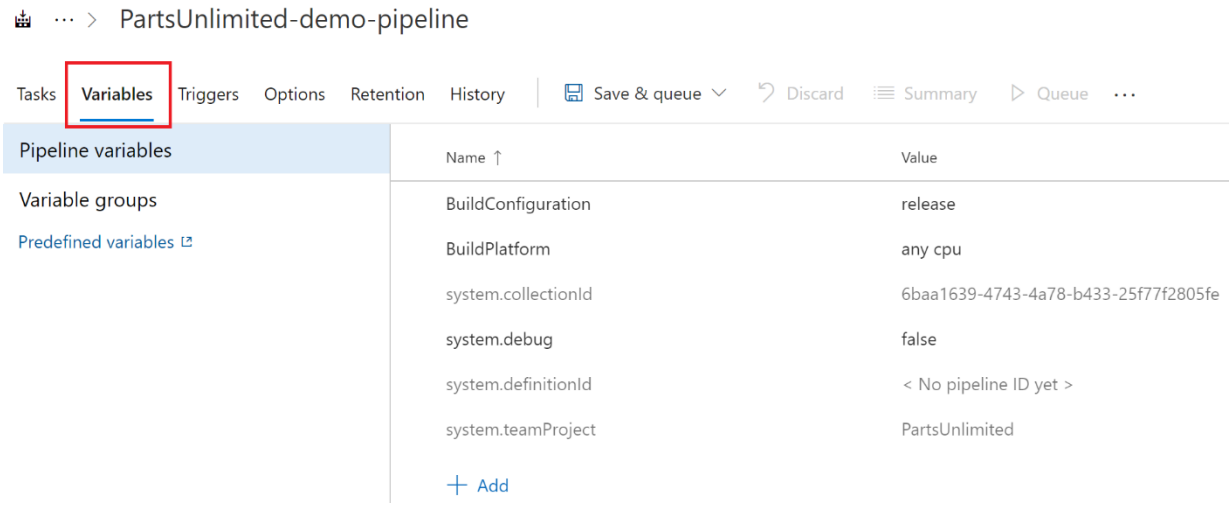

PartsUnlimited-demo-pipeline
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts

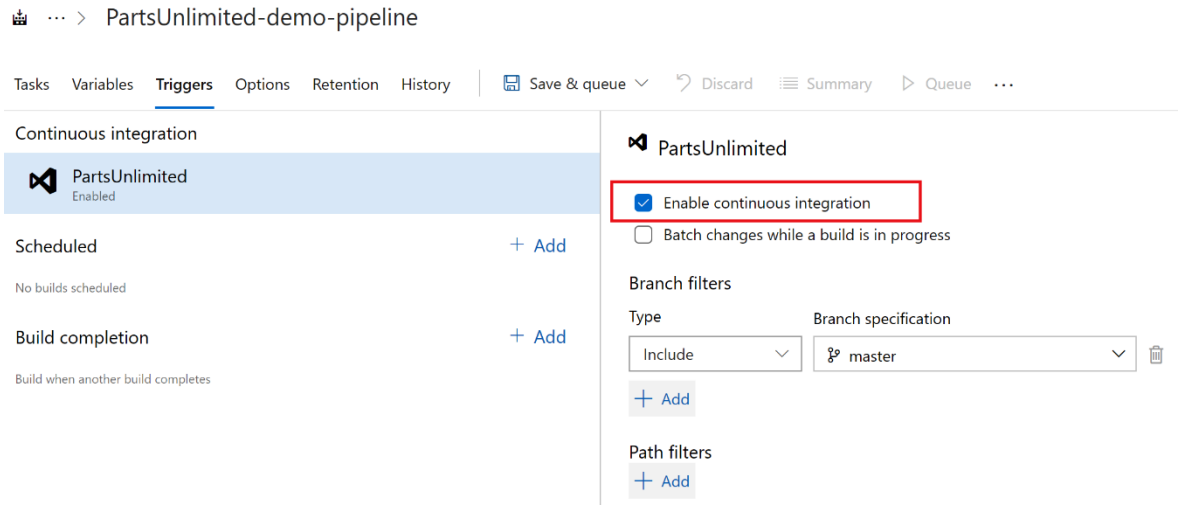

PartsUnlimited-demo-pipeline
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
Name *
PartsUnlimited-demo-pipeline
Agent pool *
Pool information
Manage
Azure Pipelines
Agent Specification *
vs2017-win2016
Parameters
Unlink all
Path to solution or packages.config *
***.sln
Artifact Name *
drop

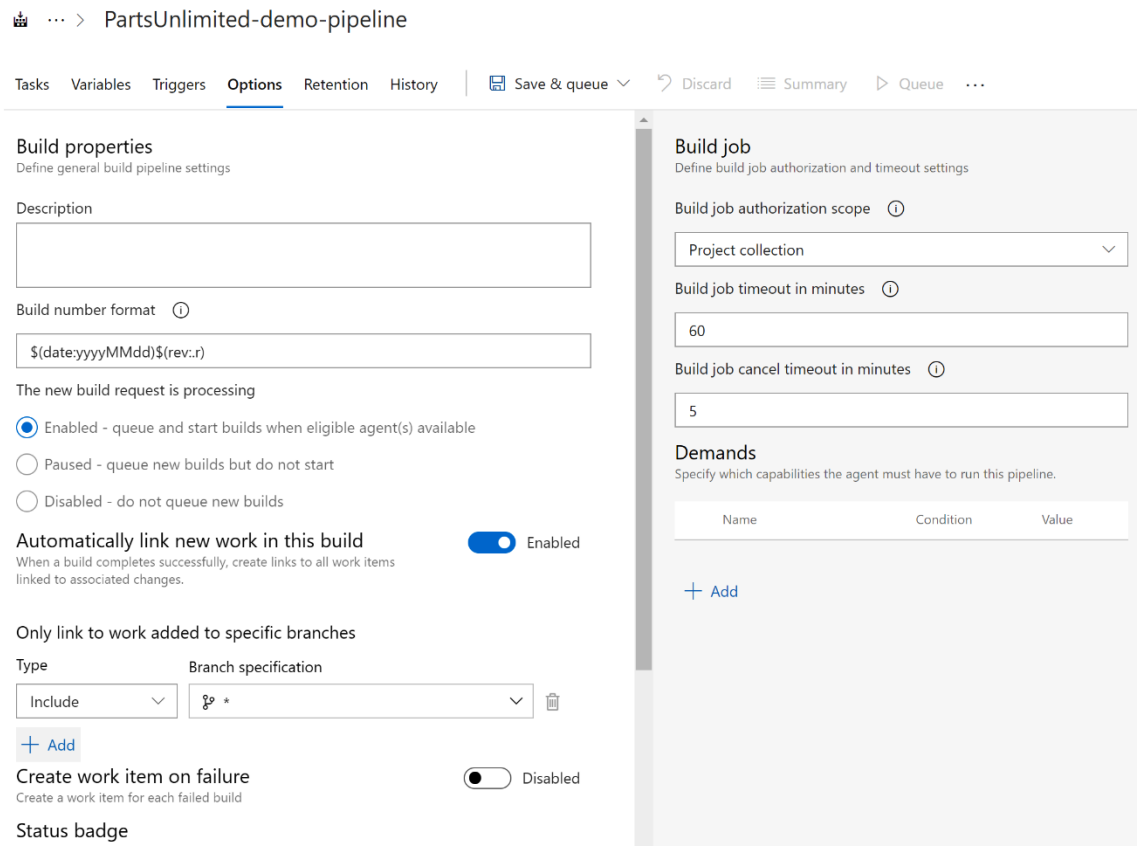

PartsUnlimited-demo-pipeline
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
Task version
2.*
Display name *
NuGet restore
Command *
restore
Path to solution, packages.config, or project.json *
***.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
Control Options
Output Variables

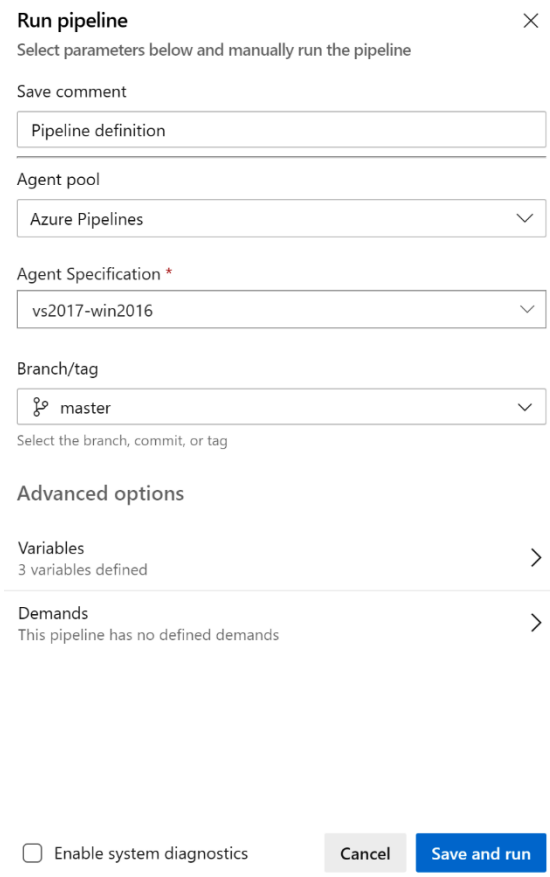

PartsUnlimited-demo-pipeline
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
Task version
1.*
Display name *
Build solution
Solution *
***.sln
Visual Studio Version
Latest
MSBuild Arguments
/p:DeployOnBuild=true /p:WebPublishMethod=Package
/p:PackageAsSingleFile=true /p:SkipInvalidConfigurations=true
/p:PackageLocation="$(build.artifactstagingdirectory)\\"
Platform
$(BuildPlatform)
Configuration
$(BuildConfiguration)
Clean
Advanced
Control Options

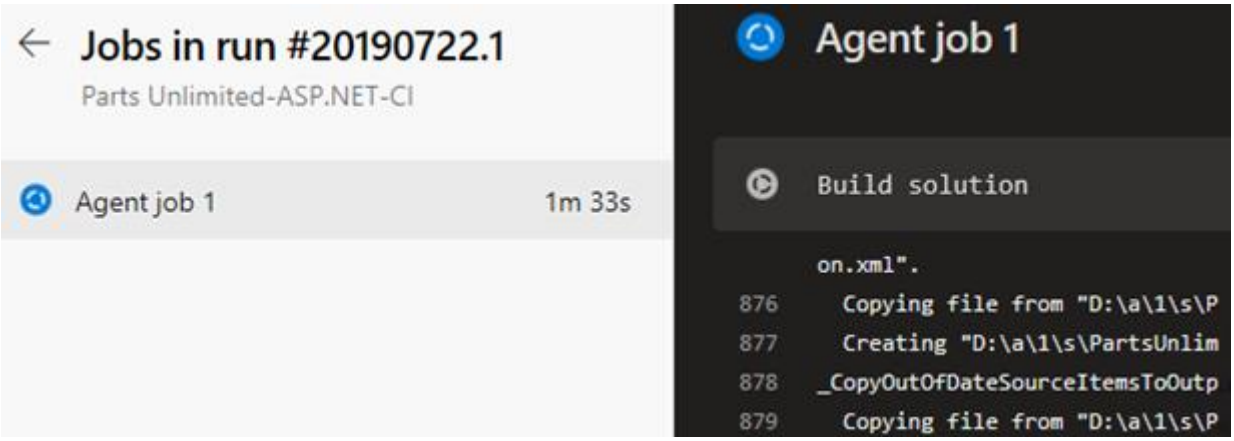

PartsUnlimited-demo-pipeline
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
Task version
1.*
Display name *
Publish Artifact
Path to publish *
$(build.artifactstagingdirectory)
Artifact name *
drop
Artifact publish location *
Azure Pipelines
Advanced
Control Options
Output Variables

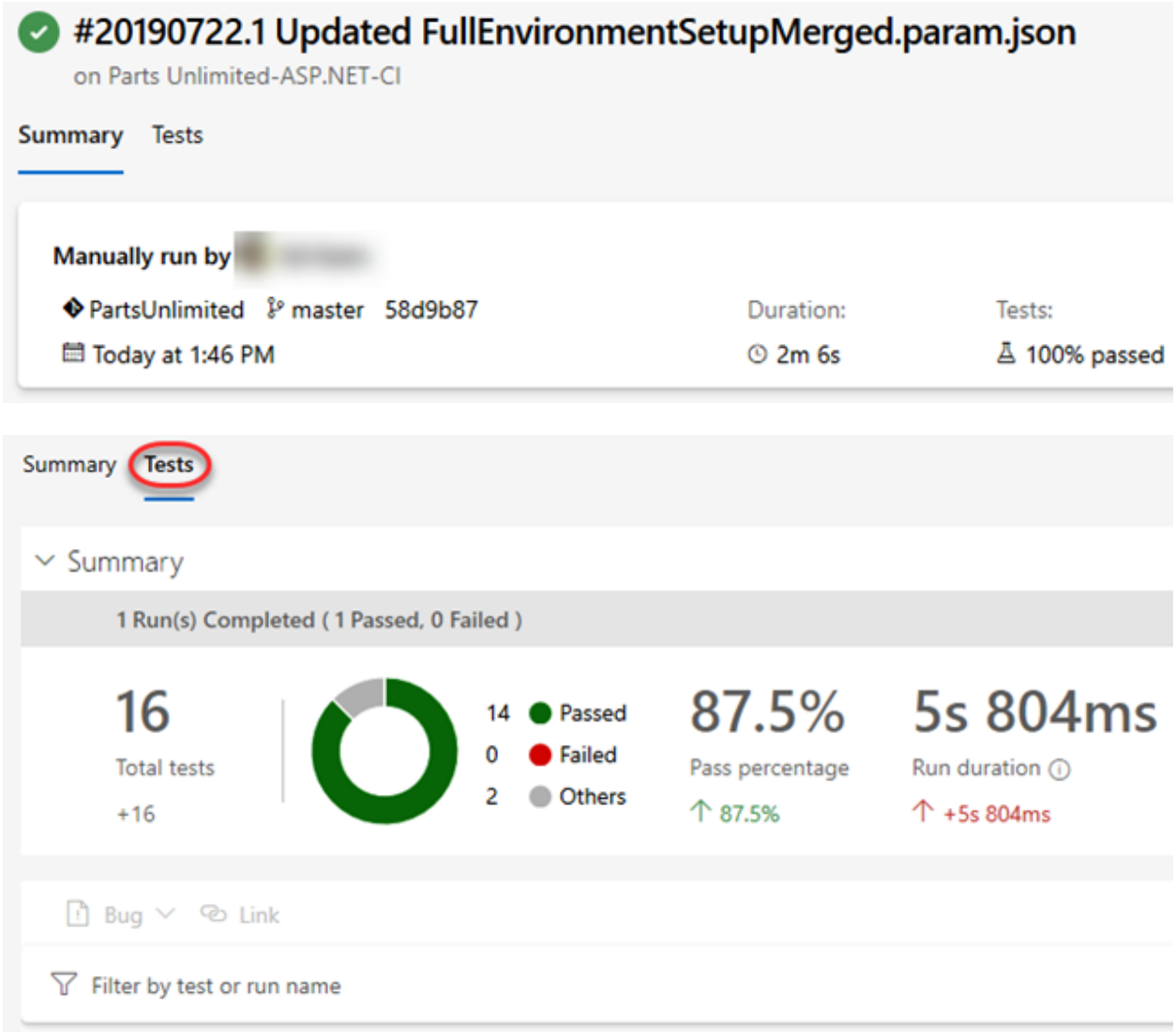

PartsUnlimited-demo-pipeline
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline variables
Variable groups
Predefined variables
Name
Value
BuildConfiguration
release
BuildPlatform
any cpu
system.collectionId
6baa1639-4743-4a78-b433-25f77f2805fe
system.debug
false
system.definitionId
< No pipeline ID yet >
system.teamProject
PartsUnlimited
Add


PartsUnlimited-demo-pipeline
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Continuous integration
PartsUnlimited
Enabled
Scheduled
Add
No builds scheduled
Build completion
Add
Build when another build completes
PartsUnlimited
Enable continuous integration
Batch changes while a build is in progress
Branch filters
Type
Branch specification
Include
master
Add
Path filters
Add


PartsUnlimited-demo-pipeline
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Build properties
Define general build pipeline settings
Description
Build number format
$(date:yyyyMMdd)$(rev:.r)
The new build request is processing
Enabled - queue and start builds when eligible agent(s) available
Paused - queue new builds but do not start
Disabled - do not queue new builds
Automatically link new work in this build
When a build completes successfully, create links to all work items linked to associated changes.
Enabled
Only link to work added to specific branches
Type
Branch specification
Include
*
Add
Create work item on failure
Create a work item for each failed build
Disabled
Status badge
Build job
Define build job authorization and timeout settings
Build job authorization scope
Project collection
Build job timeout in minutes
60
Build job cancel timeout in minutes
5
Demands
Specify which capabilities the agent must have to run this pipeline.
Name
Condition
Value
Add


Run pipeline
Select parameters below and manually run the pipeline
Save comment
Pipeline definition
Agent pool
Azure Pipelines
Agent Specification *
vs2017-win2016
Branch/tag
master
Select the branch, commit, or tag
Advanced options
Variables
3 variables defined
Demands
This pipeline has no defined demands
Enable system diagnostics
Cancel
Save and run


Jobs in run #20190722.1
Parts Unlimited-ASP.NET-CI
Agent job 1
1m 33s
Agent job 1
Build solution
on.xml".
876 Copying file from "D:\a\1\s\P
877 Creating "D:\a\1\s\PartsUnlim
878 _CopyOutOfDateSourceItemsToOutp
879 Copying file from "D:\a\1\s\P


#20190722.1 Updated FullEnvironmentSetupMerged.param.json
on Parts Unlimited-ASP.NET-CI
Summary
Tests
Manually run by
PartsUnlimited
master
58d9b87
Today at 1:46 PM
Duration:
2m 6s
Tests:
100% passed
Summary
Tests
Summary
1 Run(s) Completed (1 Passed, 0 Failed)
16
Total tests
+16
14
Passed
0
Failed
2
Others
87.5%
Pass percentage
87.5%
5s 804ms
Run duration
+5s 804ms
Bug
Link
Filter by test or run name

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
- **Other Git**
  Any generic Git repository
- **Subversion**
  Centralized version control by Apache

Use the classic editor to create a pipeline without YAML.

✓ Connect ✓ Select **Configure** Review

New pipeline

Configure your pipeline

ASP.NET
Build and test ASP.NET projects.

ASP.NET Core (.NET Framework)
Build and test ASP.NET Core projects targeting the full .NET Framework.

.NET Desktop
Build and run tests for .NET Desktop or Windows classic desktop solutions.

Universal Windows Platform
Build a Universal Windows Platform project using Visual Studio.

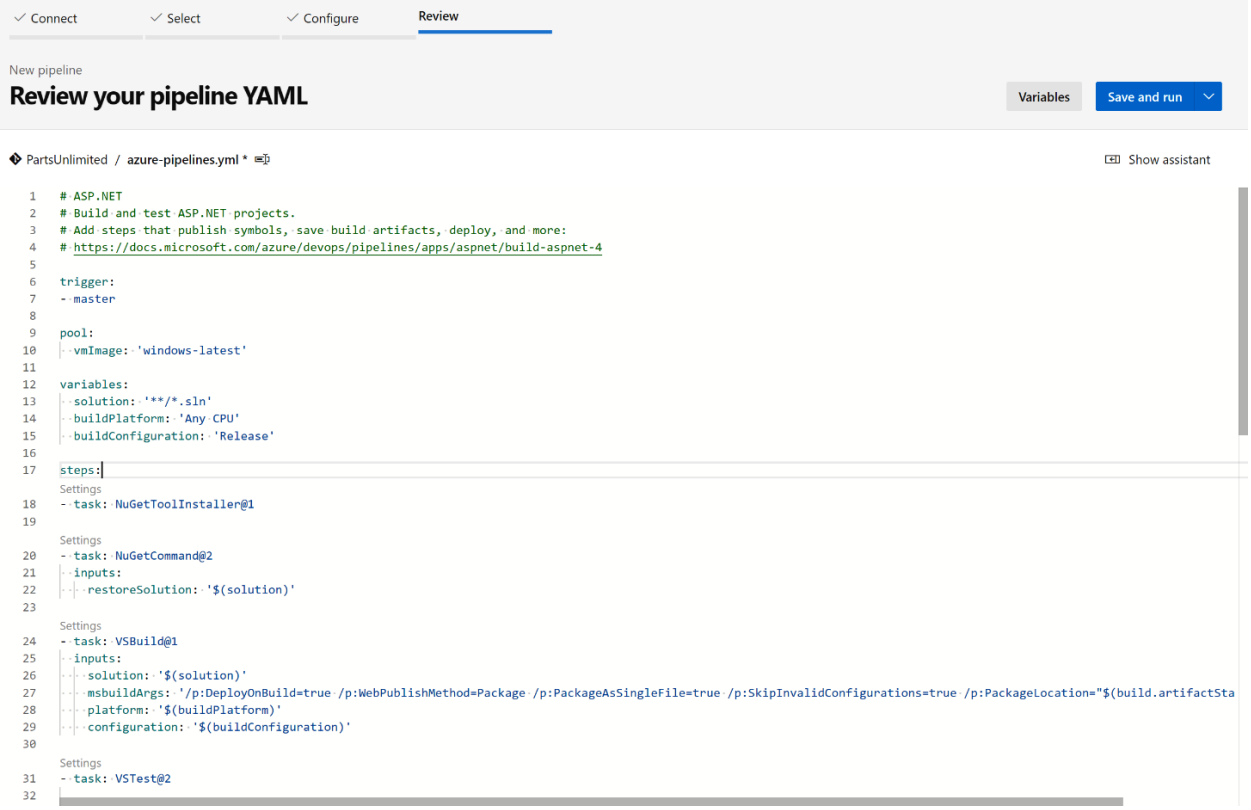
Xamarin.Android
Build a Xamarin.Android project.

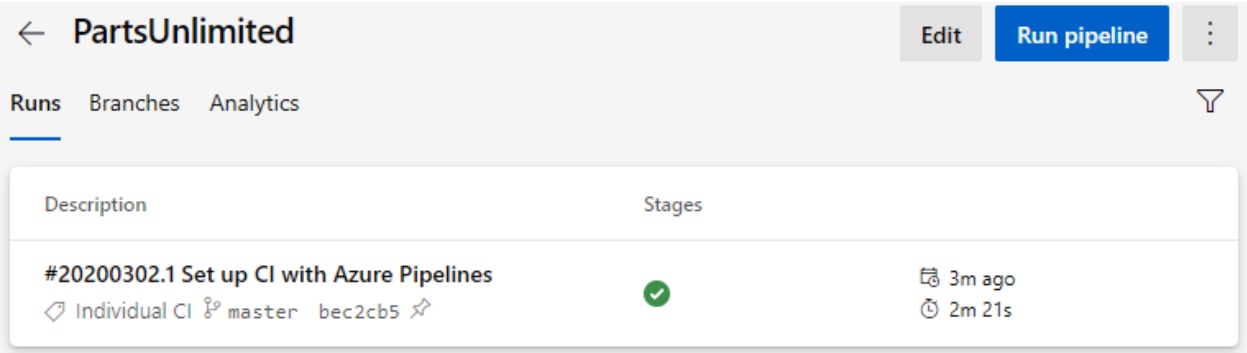
Xamarin.iOS
Build a Xamarin.iOS project.

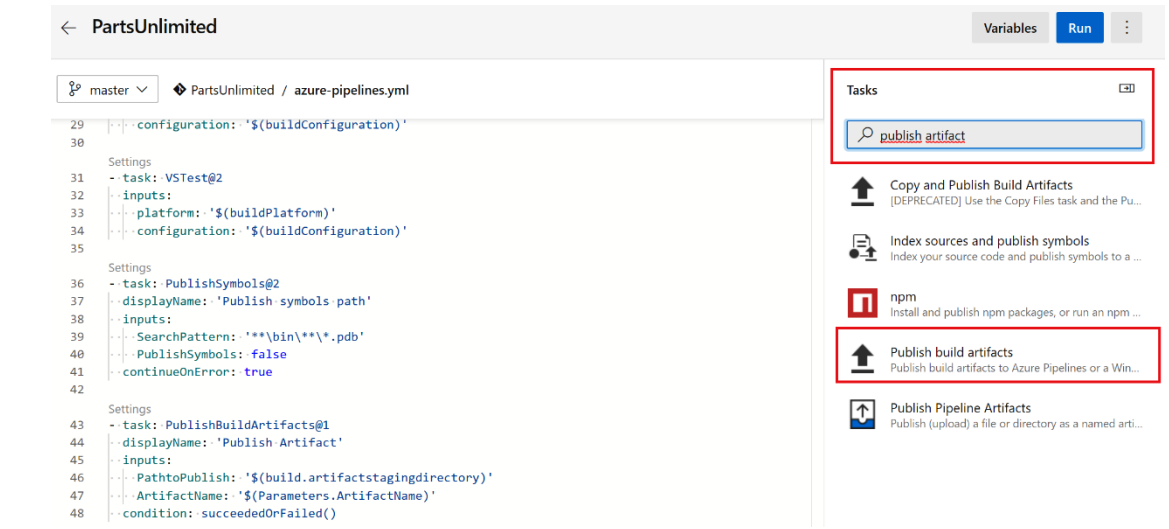
Starter pipeline
Start with a minimal pipeline that you can customize to build and deploy your code.

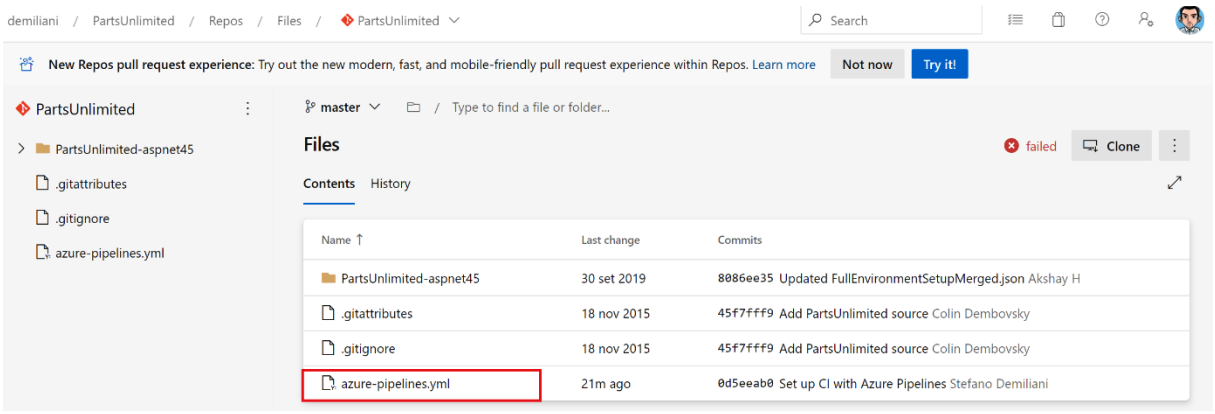
Existing Azure Pipelines YAML file
Select an Azure Pipelines YAML file in any branch of the repository.

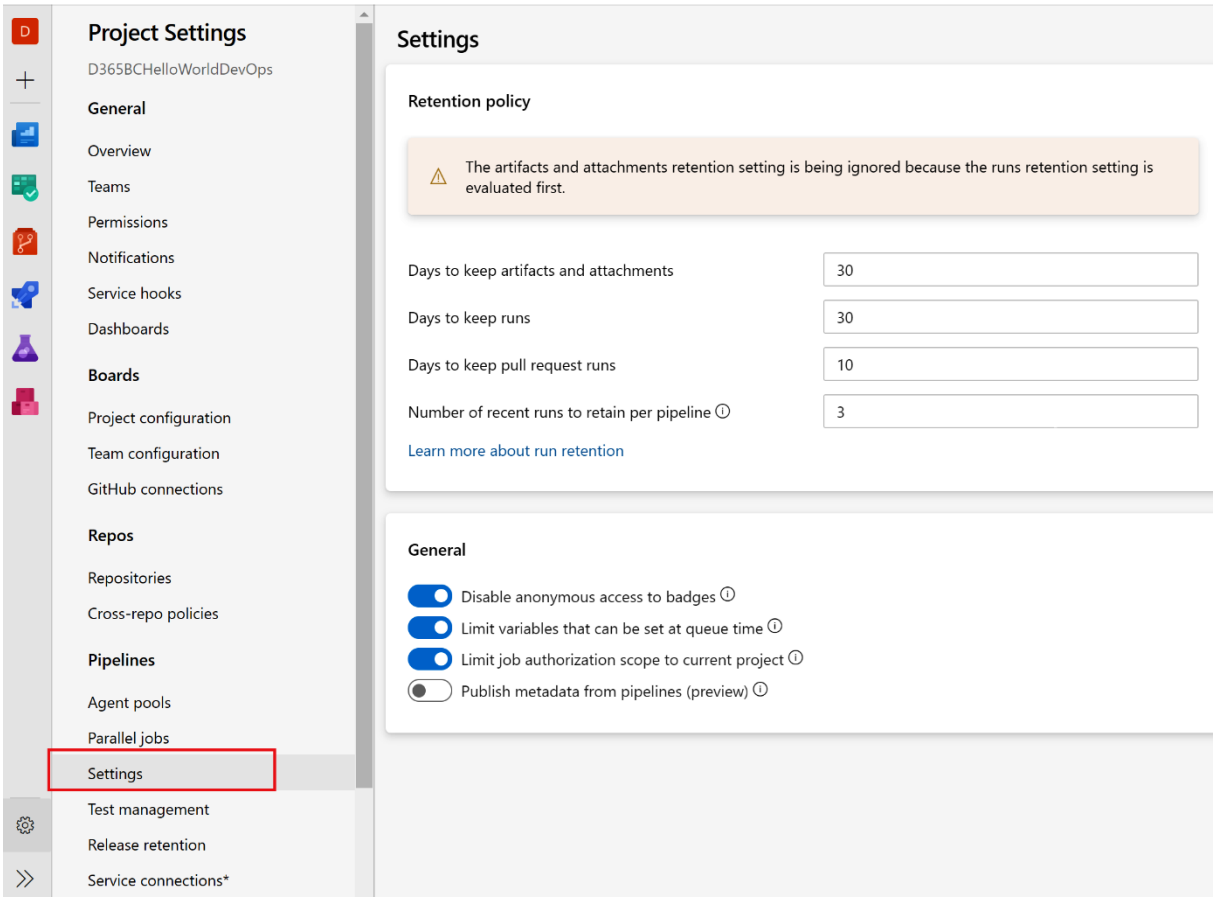
Show more

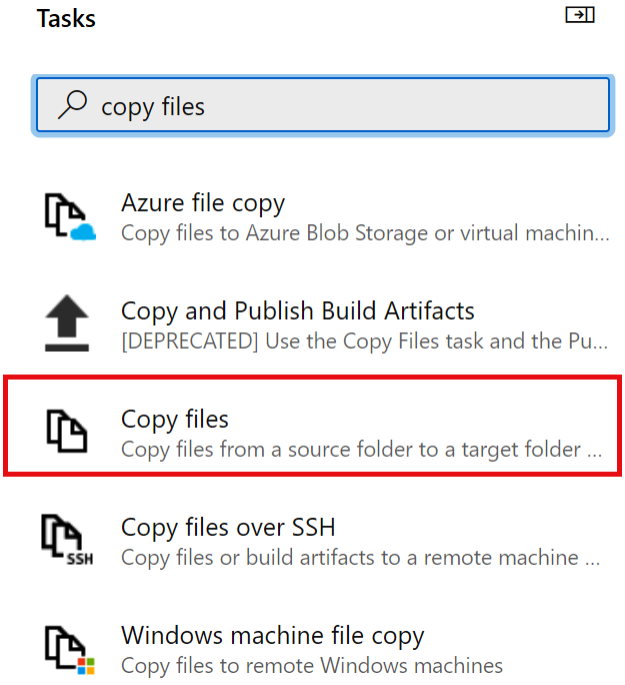

✓ Connect
✓ Select
✓ Configure
Review
New pipeline
Review your pipeline YAML
Variables
Save and run
PartsUnlimited / azure-pipelines.yml *
Show assistant
ASP.NET
Build and test ASP.NET projects.
Add steps that publish symbols, save build artifacts, deploy, and more:
https://docs.microsoft.com/azure/devops/pipelines/apps/aspnet/build-aspnet-4
trigger:
- master
pool:
vmImage: 'windows-latest'
variables:
solution: '**/*.sln'
buildPlatform: 'Any CPU'
buildConfiguration: 'Release'
steps:
Settings
- task: NuGetToolInstaller@1
Settings
- task: NuGetCommand@2
inputs:
restoreSolution: '$(solution)'
Settings
- task: VSBuild@1
inputs:
solution: '$(solution)'
msbuildArgs: '/p:DeployOnBuild=true /p:WebPublishMethod=Package /p:PackageAsSingleFile=true /p:SkipInvalidConfigurations=true /p:PackageLocation="$(build.artifactSta
platform: '$(buildPlatform)'
configuration: '$(buildConfiguration)'
Settings
- task: VSTest@2

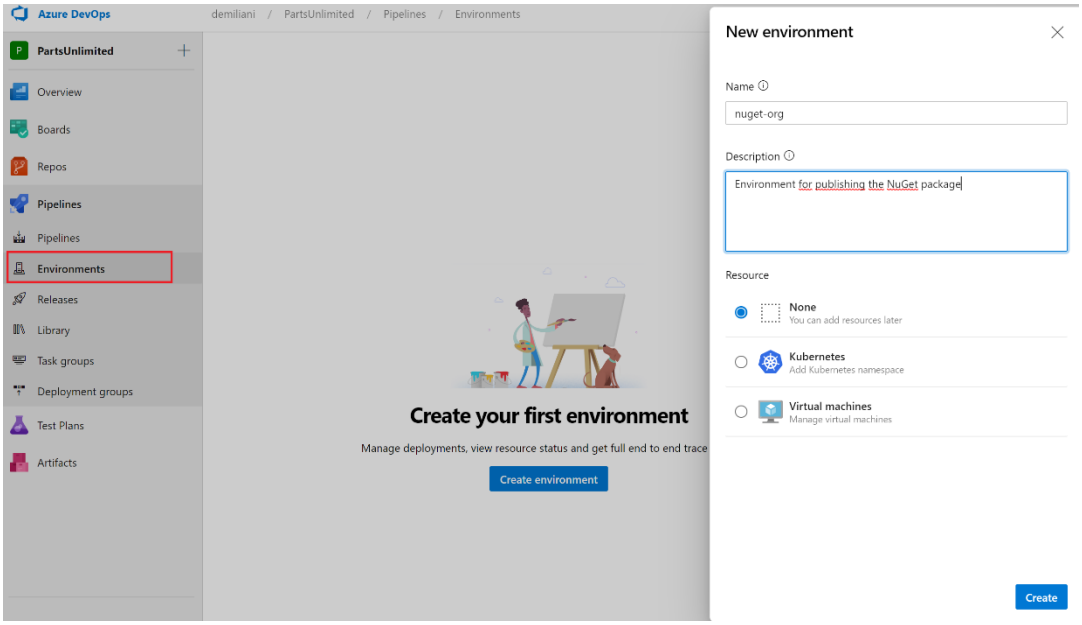

PartsUnlimited
Edit
Run pipeline
Runs
Branches
Analytics
Description
Stages
#20200302.1 Set up CI with Azure Pipelines
Individual CI
master
bec2cb5
3m ago
2m 21s

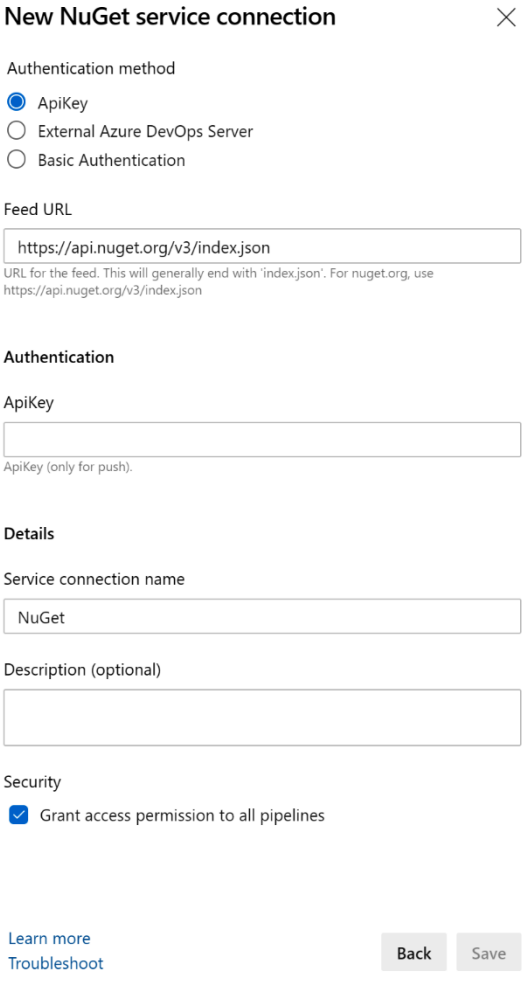

PartsUnlimited
Variables
Run
master
PartsUnlimited / azure-pipelines.yml
configuration: '$(buildConfiguration)'
Settings
- task: VSTest@2
inputs:
platform: '$(buildPlatform)'
configuration: '$(buildConfiguration)'
Settings
- task: PublishSymbols@2
displayName: 'Publish symbols path'
inputs:
SearchPattern: '**\bin***.pdb'
PublishSymbols: false
continueOnError: true
Settings
- task: PublishBuildArtifacts@1
displayName: 'Publish Artifact'
inputs:
PathtoPublish: '$(build.artifactstagingdirectory)'
ArtifactName: '$(Parameters.ArtifactName)'
condition: succeededOrFailed()
Tasks
publish artifact
Copy and Publish Build Artifacts
[DEPRECATED] Use the Copy Files task and the Pu...
Index sources and publish symbols
Index your source code and publish symbols to a ...
npm
Install and publish npm packages, or run an npm ...
Publish build artifacts
Publish build artifacts to Azure Pipelines or a Win...
Publish Pipeline Artifacts
Publish (upload) a file or directory as a named arti...

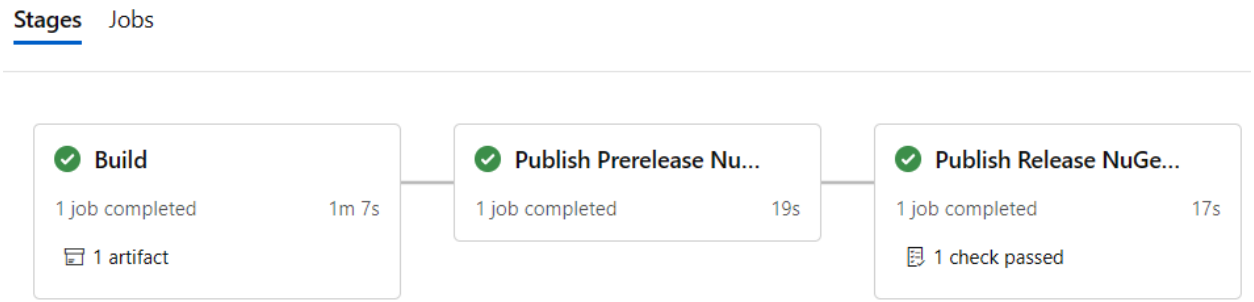

demiliani / PartsUnlimited / Repos / Files / PartsUnlimited
Search
New Repos pull request experience: Try out the new modern, fast, and mobile-friendly pull request experience within Repos. Learn more
Not now
Try it!
PartsUnlimited
PartsUnlimited-aspnet45
.gitattributes
.gitignore
azure-pipelines.yml
master
Type to find a file or folder...
Files
failed
Clone
Contents
History
Name
Last change
Commits
PartsUnlimited-aspnet45 30 set 2019 8086ee35 Updated FullEnvironmentSetupMerged.json Akshay H
.gitattributes 18 nov 2015 45f7fff9 Add PartsUnlimited source Colin Dembovsky
.gitignore 18 nov 2015 45f7fff9 Add PartsUnlimited source Colin Dembovsky
azure-pipelines.yml 21m ago 0d5eeab0 Set up CI with Azure Pipelines Stefano Demiliani

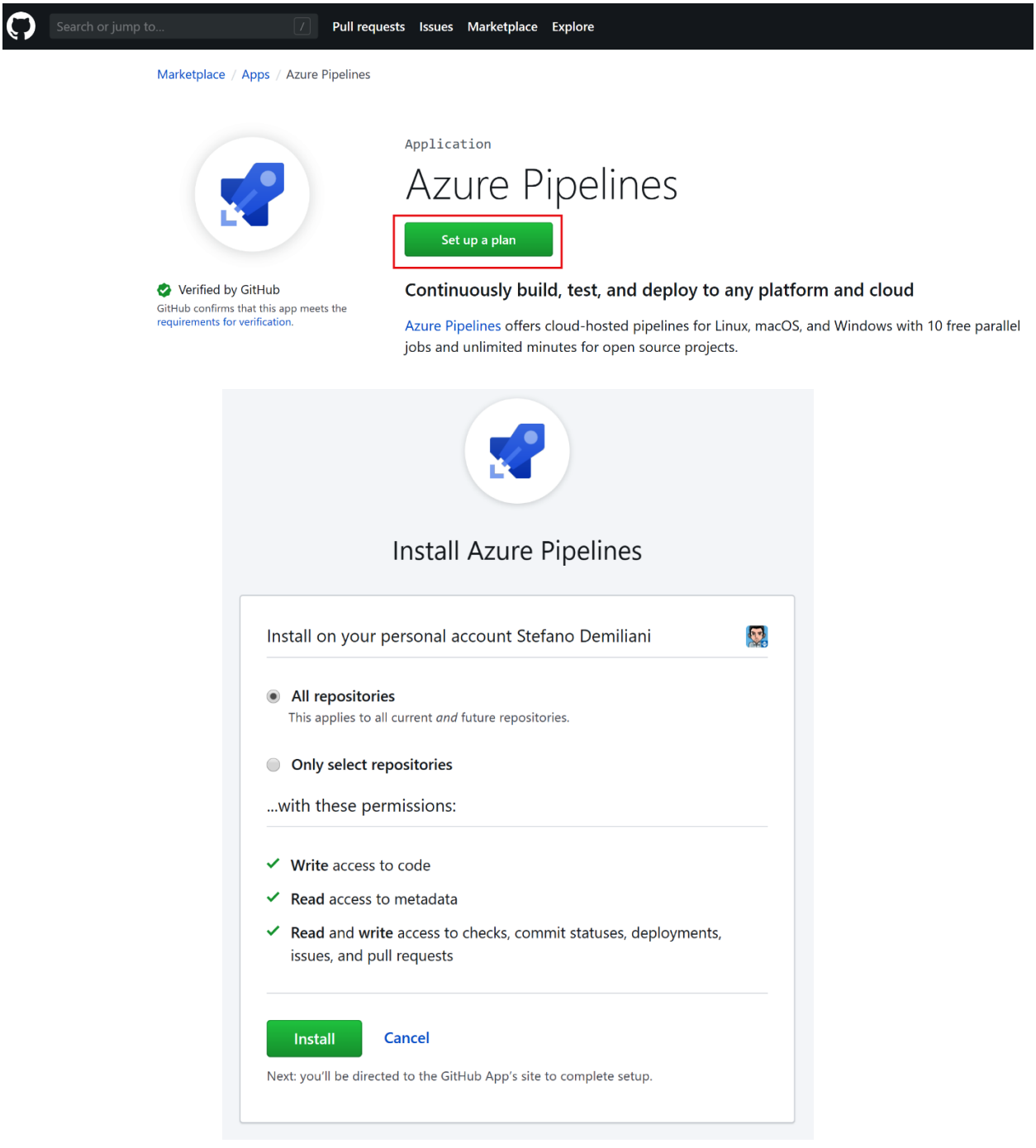

Project Settings
D365BCHelloWorldDevOps
General
Overview
Teams
Permissions
Notifications
Service hooks
Dashboards
Boards
Project configuration
Team configuration
GitHub connections
Repos
Repositories
Cross-repo policies
Pipelines
Agent pools
Parallel jobs
Settings
Test management
Release retention
Service connections*
Settings
Retention policy
The artifacts and attachments retention setting is being ignored because the runs retention setting is evaluated first.
Days to keep artifacts and attachments
30
Days to keep runs
30
Days to keep pull request runs
10
Number of recent runs to retain per pipeline
3
Learn more about run retention
General
Disable anonymous access to badges
Limit variables that can be set at queue time
Limit job authorization scope to current project
Publish metadata from pipelines (preview)

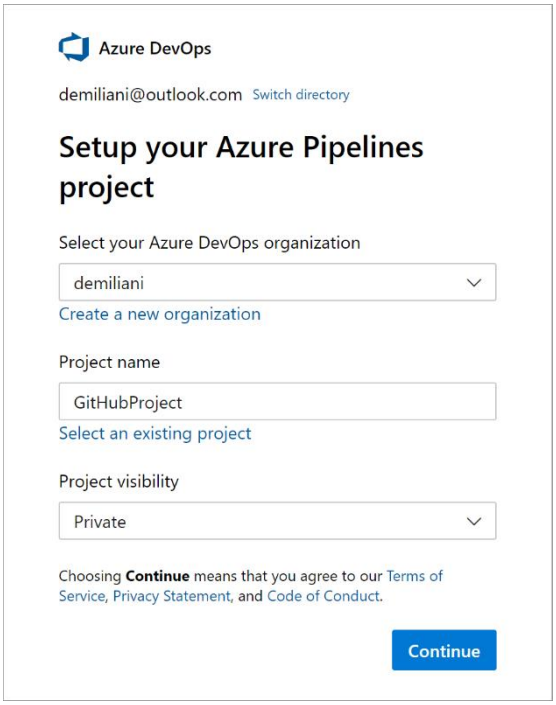

Tasks
copy files
Azure file copy
Copy files to Azure Blob Storage or virtual machin...
Copy and Publish Build Artifacts
[DEPRECATED] Use the Copy Files task and the Pu...
Copy files
Copy files from a source folder to a target folder ...
Copy files over SSH
Copy files or build artifacts to a remote machine ...
Windows machine file copy
Copy files to remote Windows machines

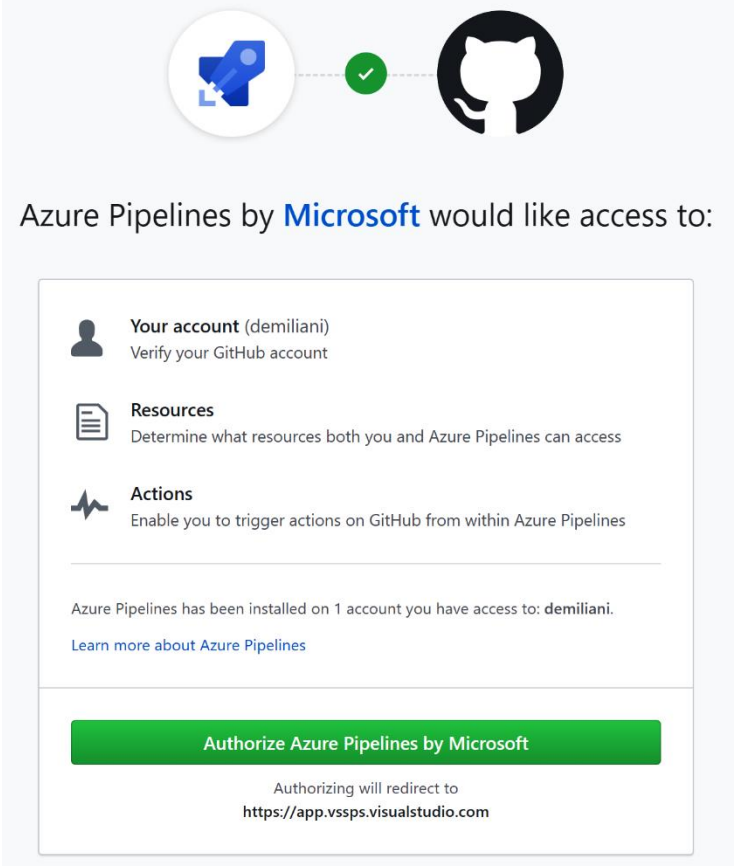

Azure DevOps
demiliani / PartsUnlimited / Pipelines / Environments
PartsUnlimited
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Releases
Library
Task groups
Deployment groups
Test Plans
Artifacts
Create your first environment
Manage deployments, view resource status and get full end to end trace
Create environment
New environment
Name
nuget-org
Description
Environment for publishing the NuGet package
Resource
None
You can add resources later
Kubernetes
Add Kubernetes namespace
Virtual machines
Manage virtual machines
Create

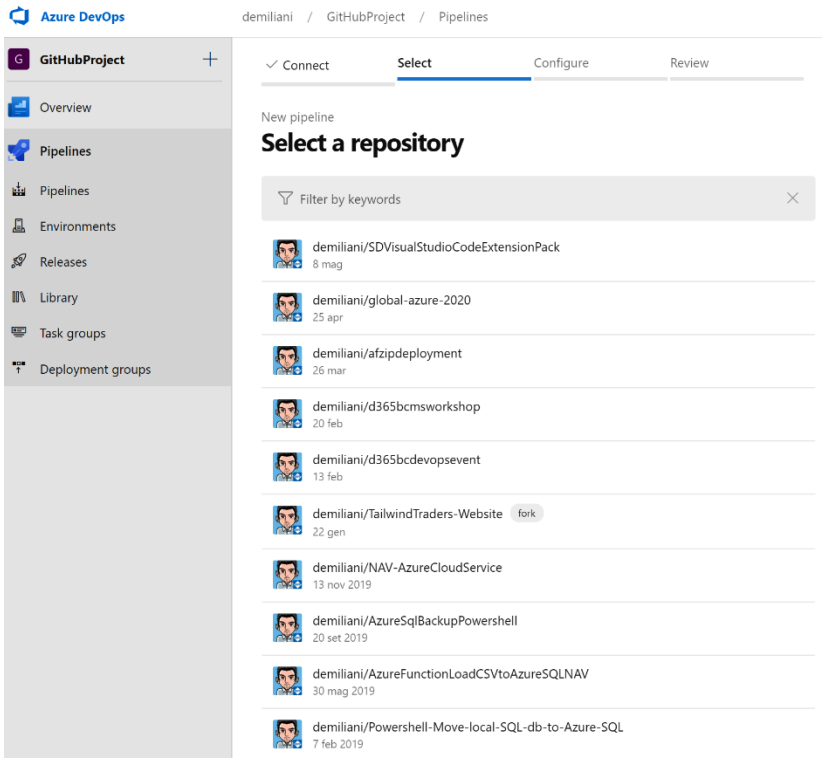

New NuGet service connection
Authentication method
ApiKey
External Azure DevOps Server
Basic Authentication
Feed URL
https://api.nuget.org/v3/index.json
URL for the feed. This will generally end with 'index.json'. For nuget.org, use https://api.nuget.org/v3/index.json
Authentication
ApiKey
ApiKey (only for push).
Details
Service connection name
NuGet
Description (optional)
Security
Grant access permission to all pipelines
Learn more
Troubleshoot
Back
Save

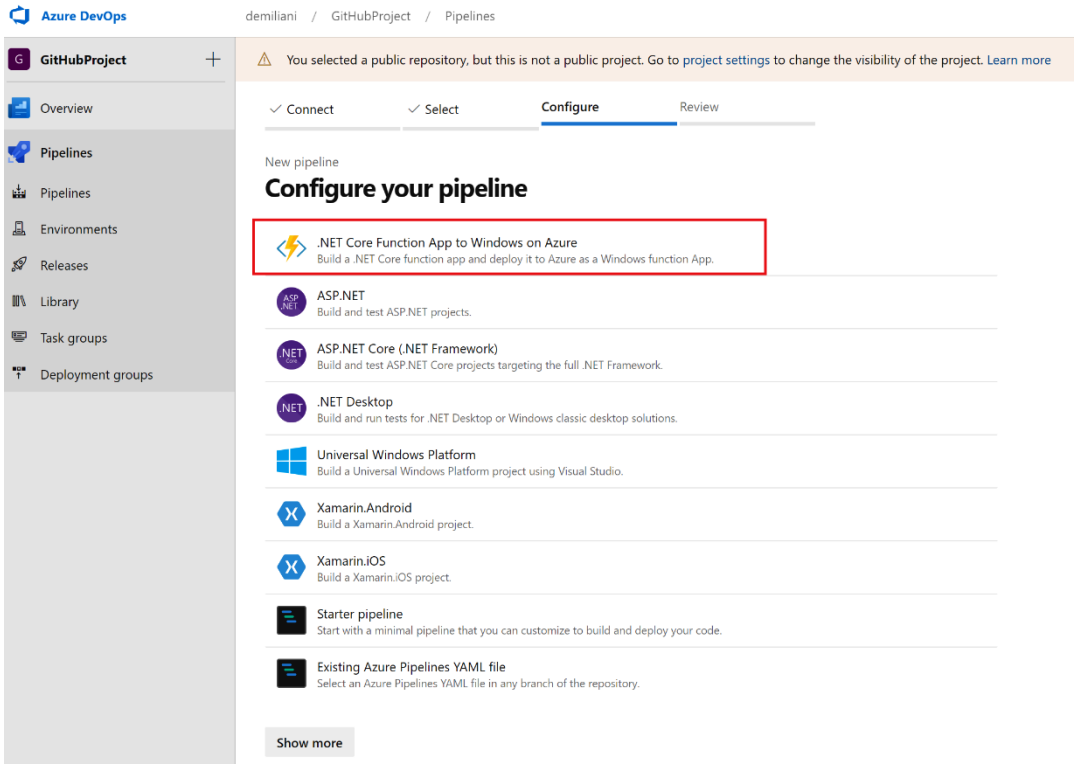

Stages
Jobs
Build
1 job completed
1m 7s
1 artifact
Publish Prerelease Nu...
1 job completed
19s
Publish Release NuGe...
1 job completed
17s
1 check passed

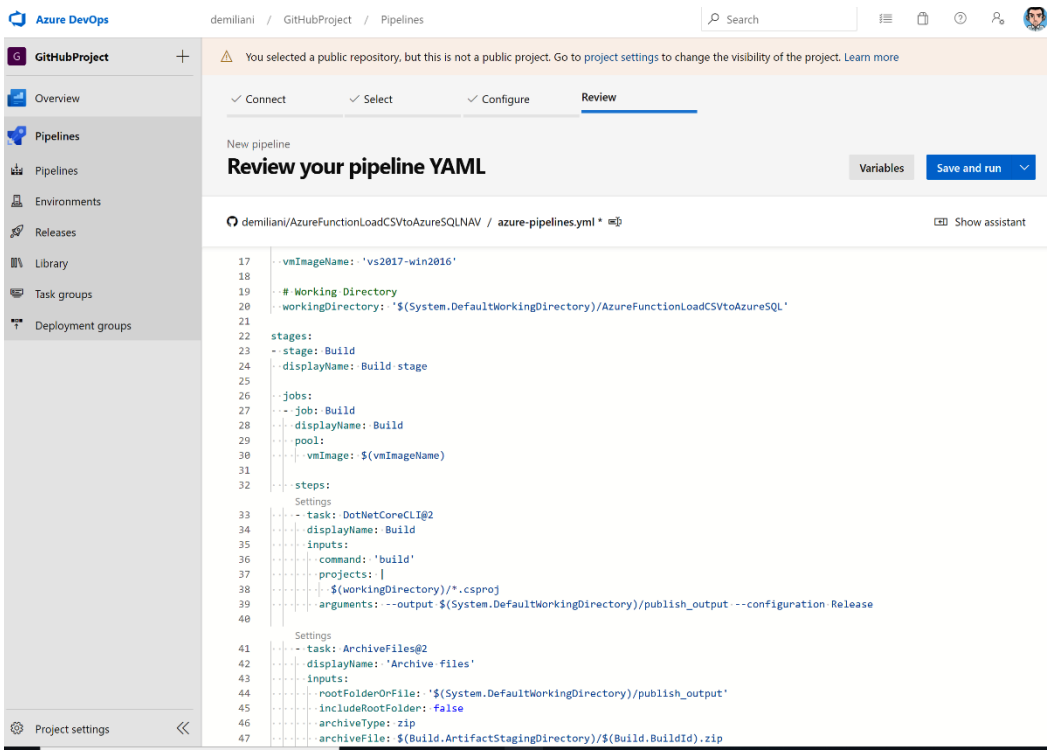

Search or jump to...
Pull requests
Issues
Marketplace
Explore
Marketplace / Apps / Azure Pipelines
Application
Azure Pipelines
Set up a plan
Verified by GitHub
GitHub confirms that this app meets the requirements for verification.
Continuously build, test, and deploy to any platform and cloud
Azure Pipelines offers cloud-hosted pipelines for Linux, macOS, and Windows with 10 free parallel jobs and unlimited minutes for open source projects.
Install Azure Pipelines
Install on your personal account Stefano Demiliani
All repositories
This applies to all current and future repositories.
Only select repositories
...with these permissions:
Write access to code
Read access to metadata
Read and write access to checks, commit statuses, deployments, issues, and pull requests
Install
Cancel
Next: you'll be directed to the GitHub App's site to complete setup.

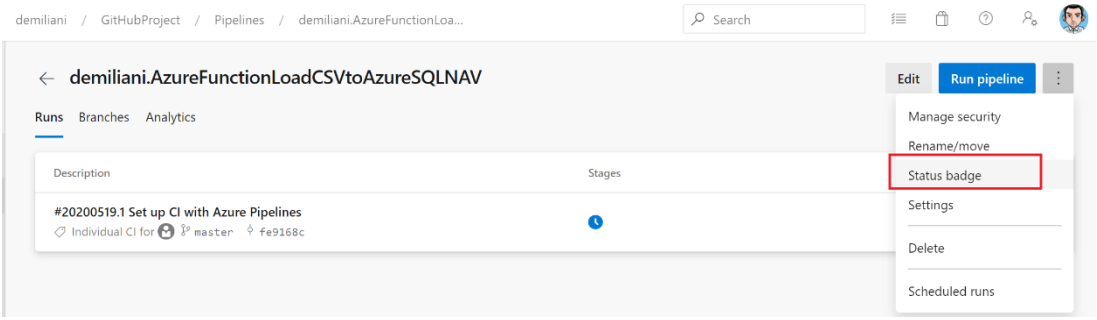

Azure DevOps
demiliani@outlook.com Switch directory
Setup your Azure Pipelines project
Select your Azure DevOps organization
demiliani
Create a new organization
Project name
GitHubProject
Select an existing project
Project visibility
Private
Choosing Continue means that you agree to our Terms of Service, Privacy Statement, and Code of Conduct.
Continue

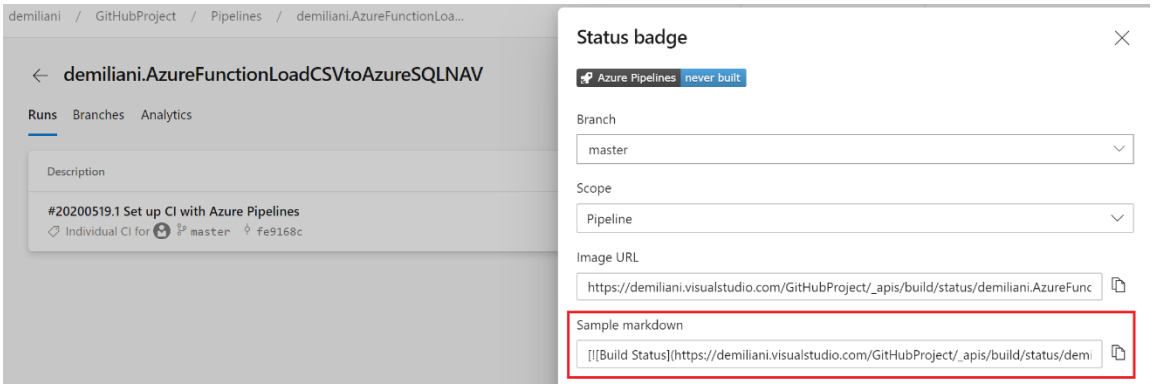

Azure Pipelines by Microsoft would like access to:
Your account (demiliani)
Verify your GitHub account
Resources
Determine what resources both you and Azure Pipelines can access
Actions
Enable you to trigger actions on GitHub from within Azure Pipelines
Azure Pipelines has been installed on 1 account you have access to: demiliani.
Learn more about Azure Pipelines
Authorize Azure Pipelines by Microsoft
Authorizing will redirect to
https://app.vssps.visualstudio.com


Azure DevOps
demiliani / GitHubProject / Pipelines
GitHubProject
Overview
Pipelines
Pipelines
Environments
Releases
Library
Task groups
Deployment groups
Connect
Select
Configure
Review
New pipeline
Select a repository
Filter by keywords
demiliani/SDVisualStudioCodeExtensionPack
8 mag
demiliani/global-azure-2020
25 apr
demiliani/afzipdeployment
26 mar
demiliani/d365bcmsworkshop
20 feb
demiliani/d365bcdevopsevent
13 feb
demiliani/TailwindTraders-Website
fork
22 gen
demiliani/NAV-AzureCloudService
13 nov 2019
demiliani/AzureSqlBackupPowershell
20 set 2019
demiliani/AzureFunctionLoadCSVtoAzureSQLNAV
30 mag 2019
demiliani/Powershell-Move-local-SQL-db-to-Azure-SQL
7 feb 2019

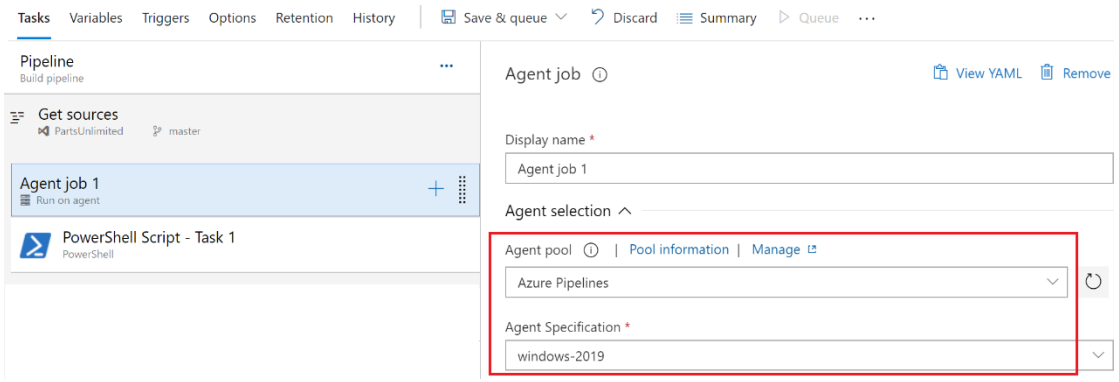

Azure DevOps
demiliani / GitHubProject / Pipelines
GitHubProject
Overview
Pipelines
Pipelines
Environments
Releases
Library
Task groups
Deployment groups
You selected a public repository, but this is not a public project. Go to project settings to change the visibility of the project. Learn more
Connect
Select
Configure
Review
New pipeline
Configure your pipeline
.NET Core Function App to Windows on Azure
Build a .NET Core function app and deploy it to Azure as a Windows function App.
ASP.NET
Build and test ASP.NET projects.
ASP.NET Core (.NET Framework)
Build and test ASP.NET Core projects targeting the full .NET Framework.
.NET Desktop
Build and run tests for .NET Desktop or Windows classic desktop solutions.
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.
Starter pipeline
Start with a minimal pipeline that you can customize to build and deploy your code.
Existing Azure Pipelines YAML file
Select an Azure Pipelines YAML file in any branch of the repository.
Show more

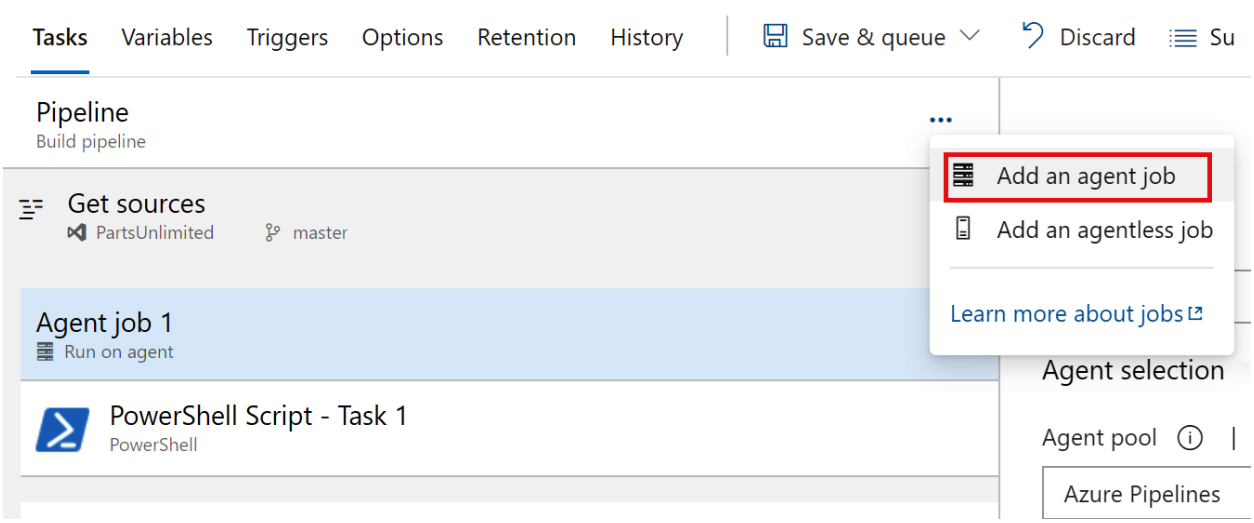


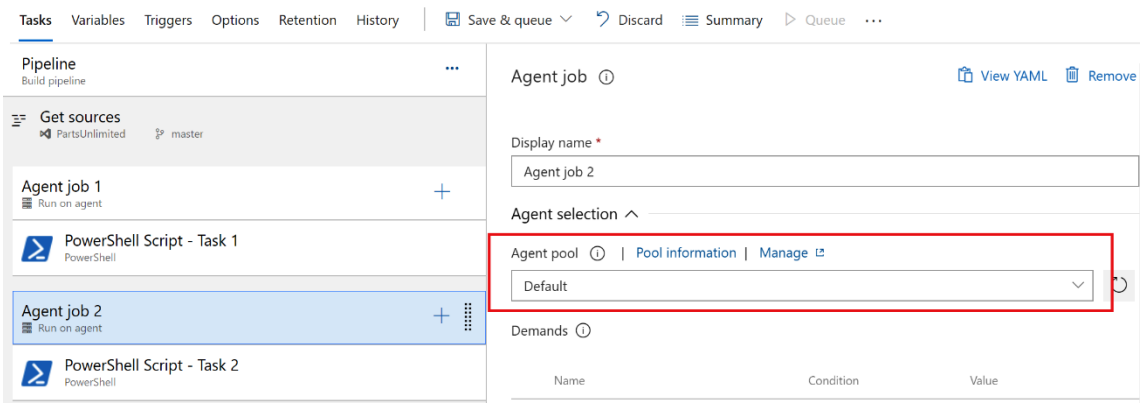


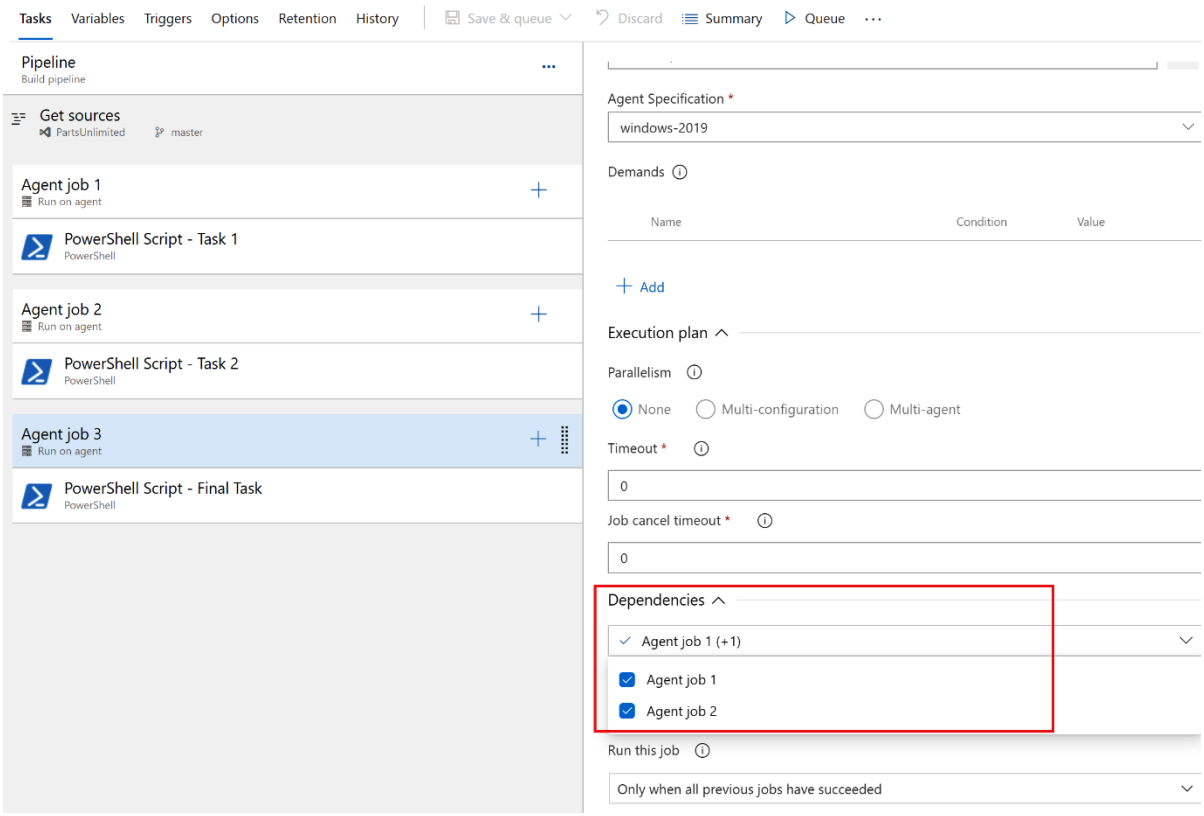


Status badge

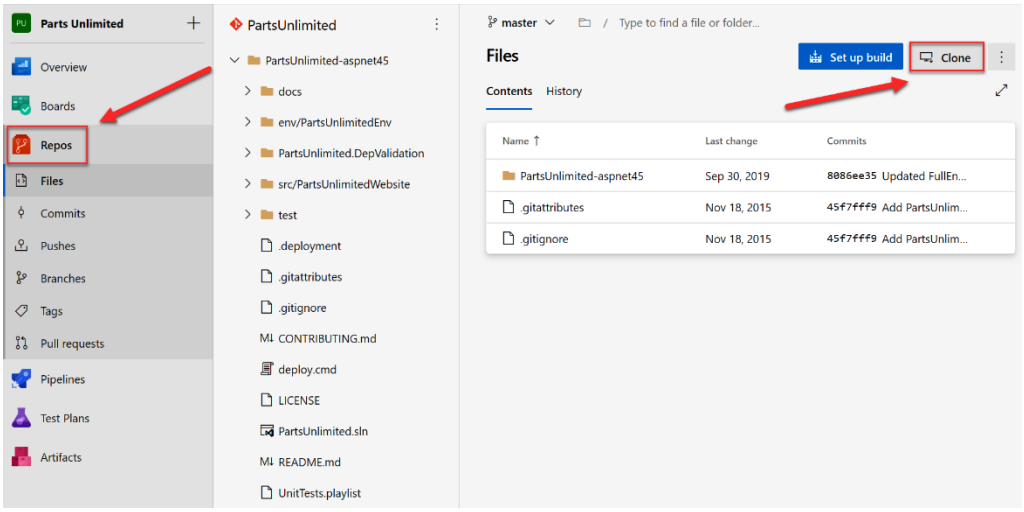

Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
PowerShell Script - Task 1
PowerShell
Agent job
View YAML
Remove
Display name *
Agent job 1
Agent selection
Agent pool
Pool information
Manage
Azure Pipelines
Agent Specification *
windows-2019

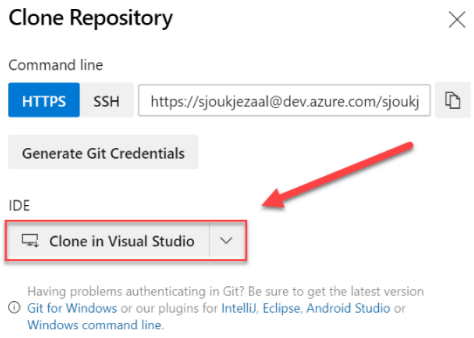

Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
PowerShell Script - Task 1
PowerShell
Add an agent job
Add an agentless job
Learn more about jobs
Agent selection
Agent pool
Azure Pipelines

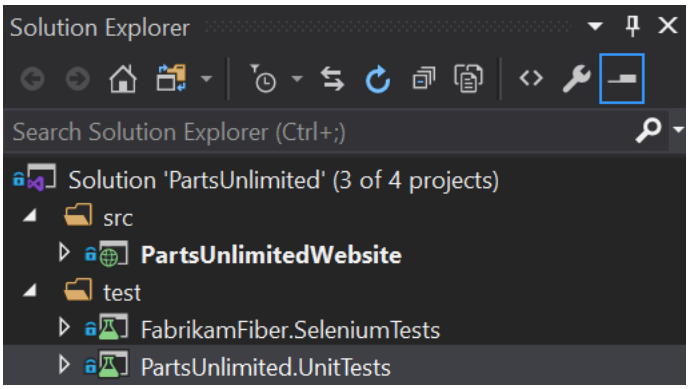

Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
PowerShell Script - Task 1
PowerShell
Agent job 2
Run on agent
PowerShell Script - Task 2
PowerShell
Agent job
View YAML
Remove
Display name *
Agent job 2
Agent selection
Agent pool
Pool information
Manage
Default
Demands
Name
Condition
Value

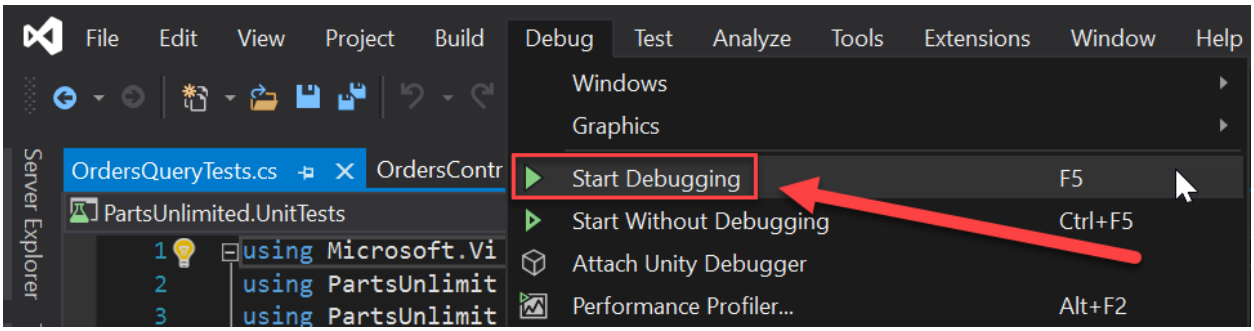

Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
PowerShell Script - Task 1
PowerShell
Agent job 2
Run on agent
PowerShell Script - Task 2
PowerShell
Agent job 3
Run on agent
PowerShell Script - Final Task
PowerShell
Agent Specification *
windows-2019
Demands
Name
Condition
Value
Add
Execution plan
Parallelism
None
Multi-configuration
Multi-agent
Timeout *
0
Job cancel timeout *
0
Dependencies
Agent job 1 (+1)
Agent job 1
Agent job 2
Run this job
Only when all previous jobs have succeeded

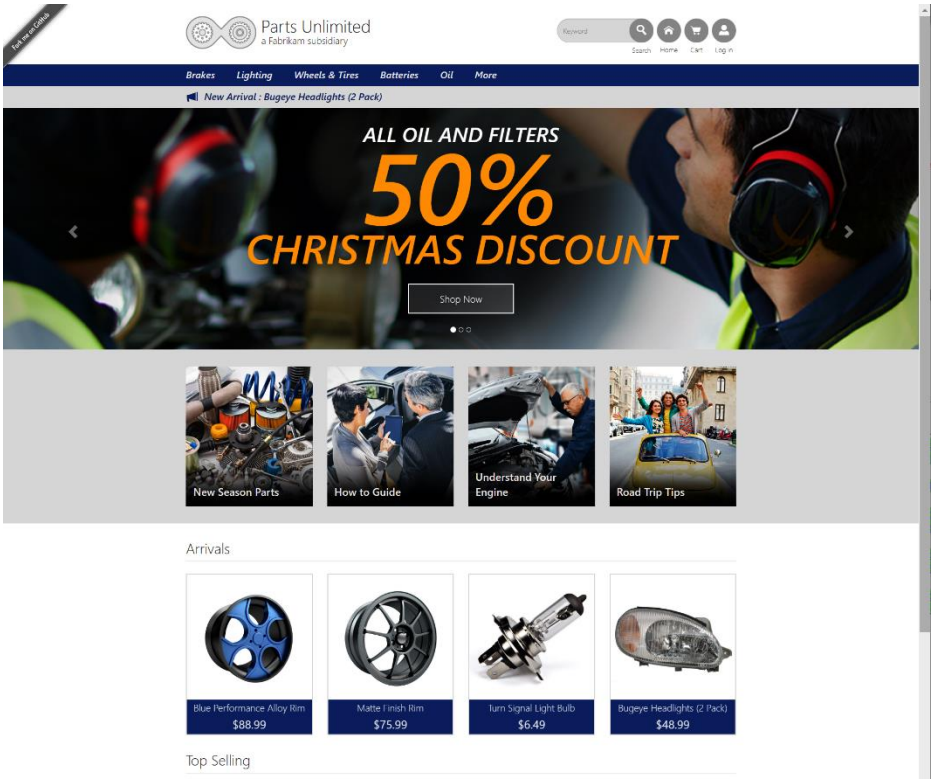
Chapter 5: Running Quality Tests in a Build Pipeline

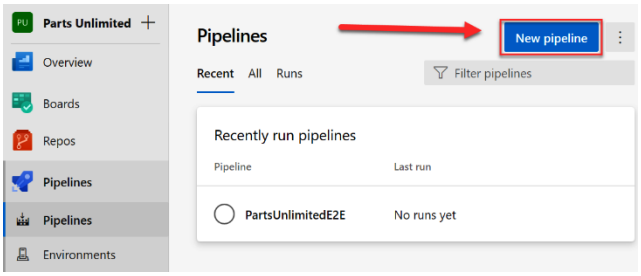







File
Edit
View
Project
Build
Debug
Test
Analyze
Tools
Extensions
Window
Help
Windows
Graphics
Start Debugging
F5
Start Without Debugging
Ctrl+F5
Attach Unity Debugger
Performance Profiler...
Alt+F2
OrdersQueryTests.cs
OrdersContr
PartsUnlimited.UnitTests
Server Explorer
using Microsoft.Vi
using PartsUnlimit
using PartsUnlimit


Parts Unlimited
a Fabrikam subsidiary
Brakes
Lighting
Wheels & Tires
Batteries
Oil
More
New Arrival : Bugeye Headlights (2 Pack)
ALL OIL AND FILTERS
50%
CHRISTMAS DISCOUNT
Shop Now
New Season Parts
How to Guide
Understand Your Engine
Road Trip Tips
Arrivals
Blue Performance Alloy Rim
$88.99
Matte Finish Rim
$75.99
Turn Signal Light Bulb
$6.49
Bugeye Headlights (2 Pack)
$48.99
Top Selling


Parts Unlimited
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Pipelines
New pipeline
Recent
All
Runs
Filter pipelines
Recently run pipelines
Pipeline
Last run
PartsUnlimitedE2E
No runs yet

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

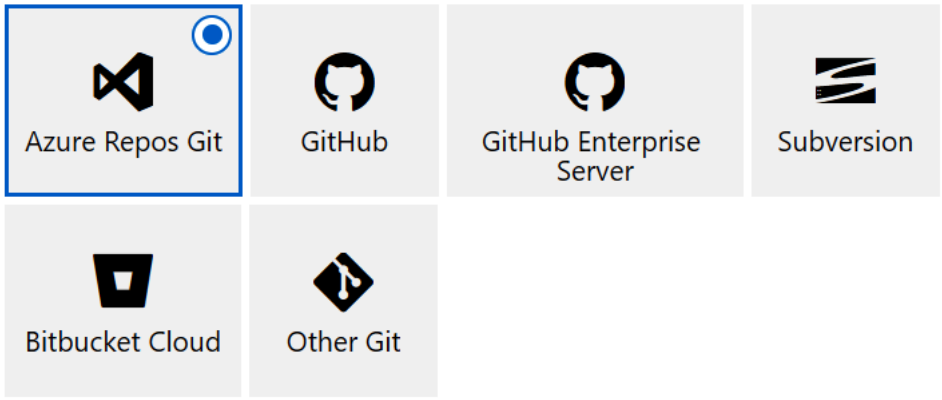
GitHub Enterprise Server YAML
The self-hosted version of GitHub Enterprise

Other Git
Any generic Git repository

Subversion
Centralized version control by Apache

Use the classic editor to create a pipeline without YAML.

Select a source



Team project

Parts Unlimited

Repository

PartsUnlimited

Default branch for manual and scheduled builds

master

Continue

Select a template

Or start with an **Empty job**

Search

Configuration as code

YAML

Looking for a better experience to configure your pipelines using YAML files? Try the new YAML pipeline creation experience. Learn more

Featured

.NET Desktop

Build and test a .NET or Windows classic desktop solution.

Android

Build, test, sign, and align an Android APK.

ASP.NET

Build and test an ASP.NET web application.

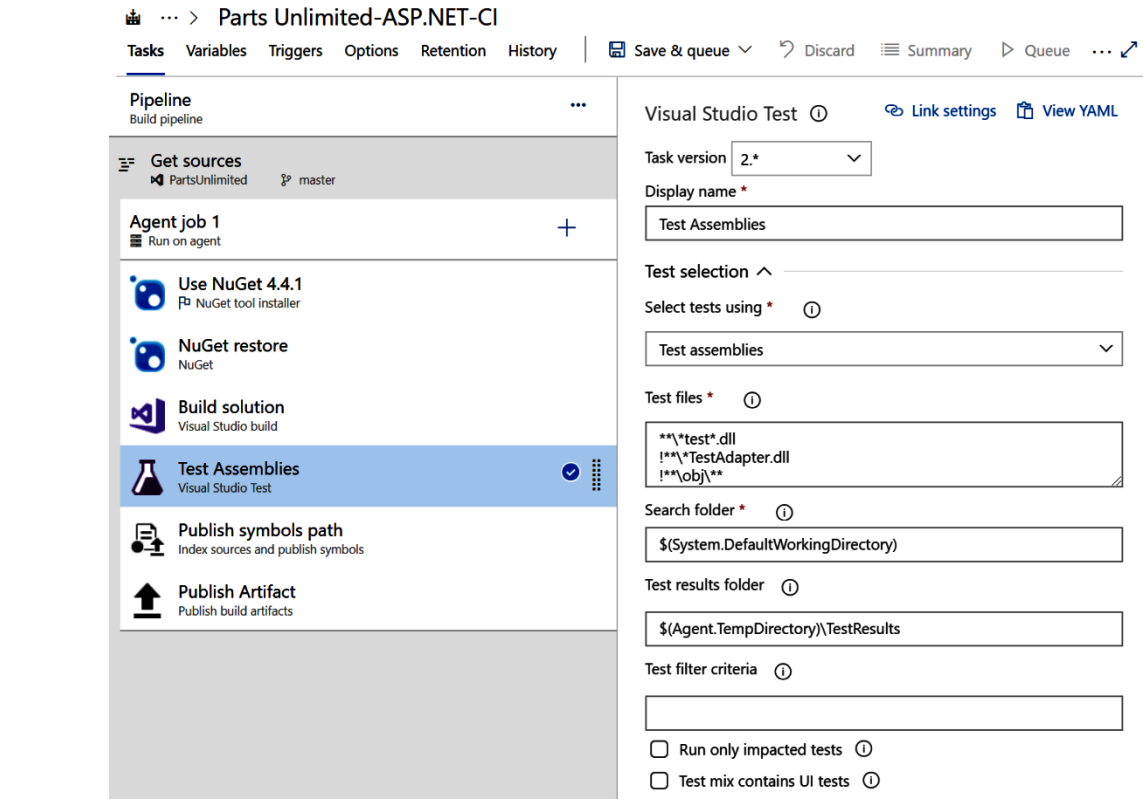
Apply

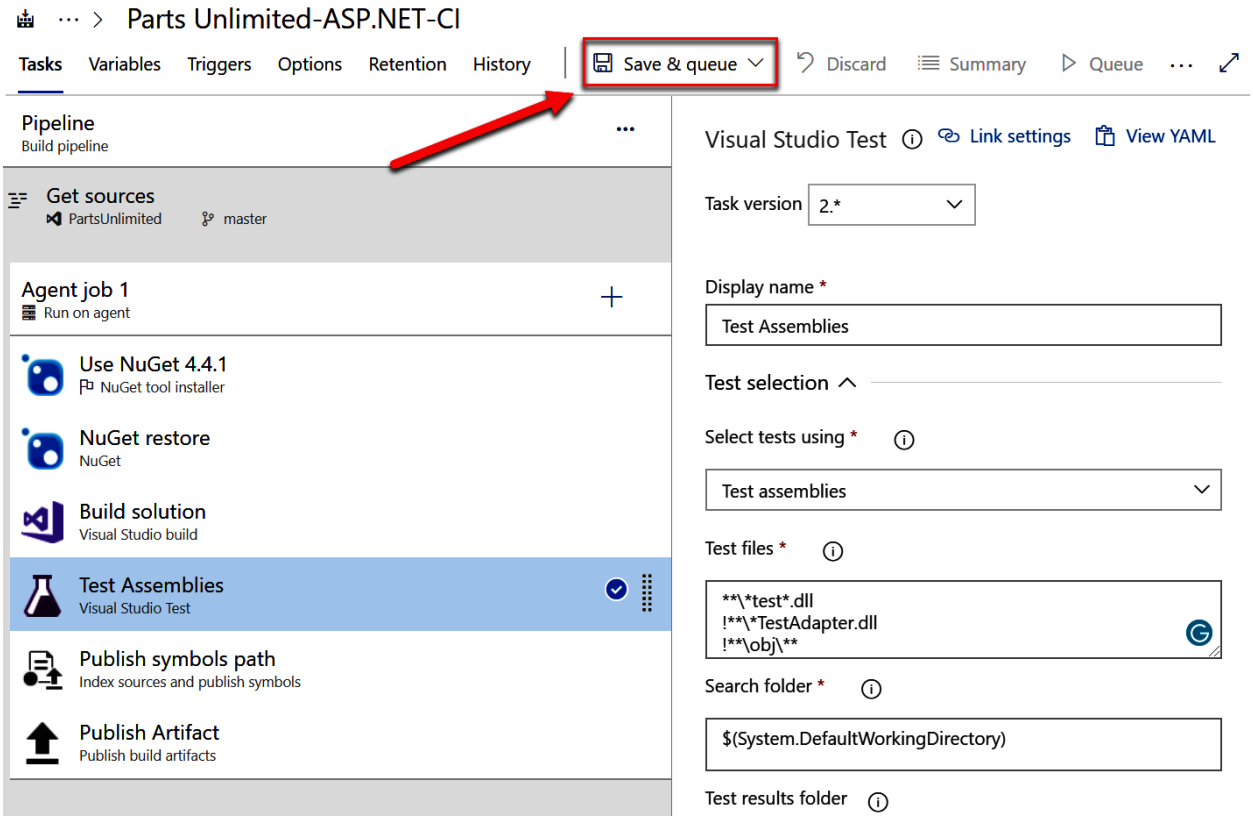
Azure Web App for ASP.NET

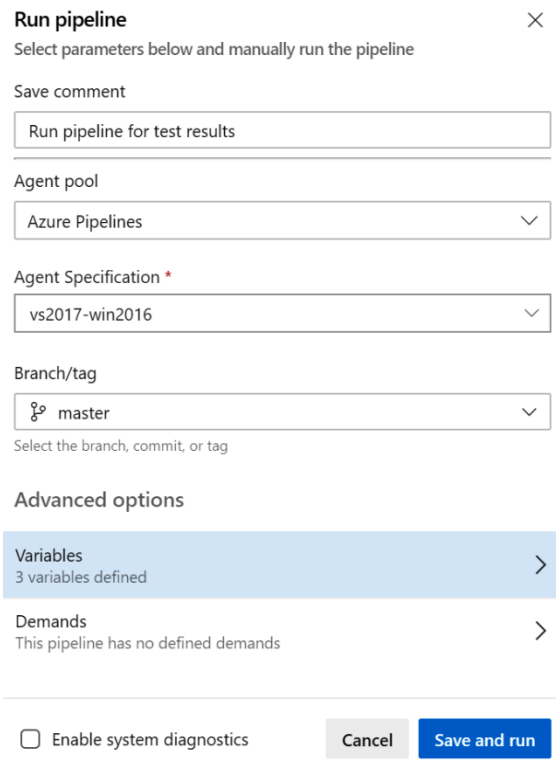
Build, package, test, and deploy an ASP.NET Azure Web App.

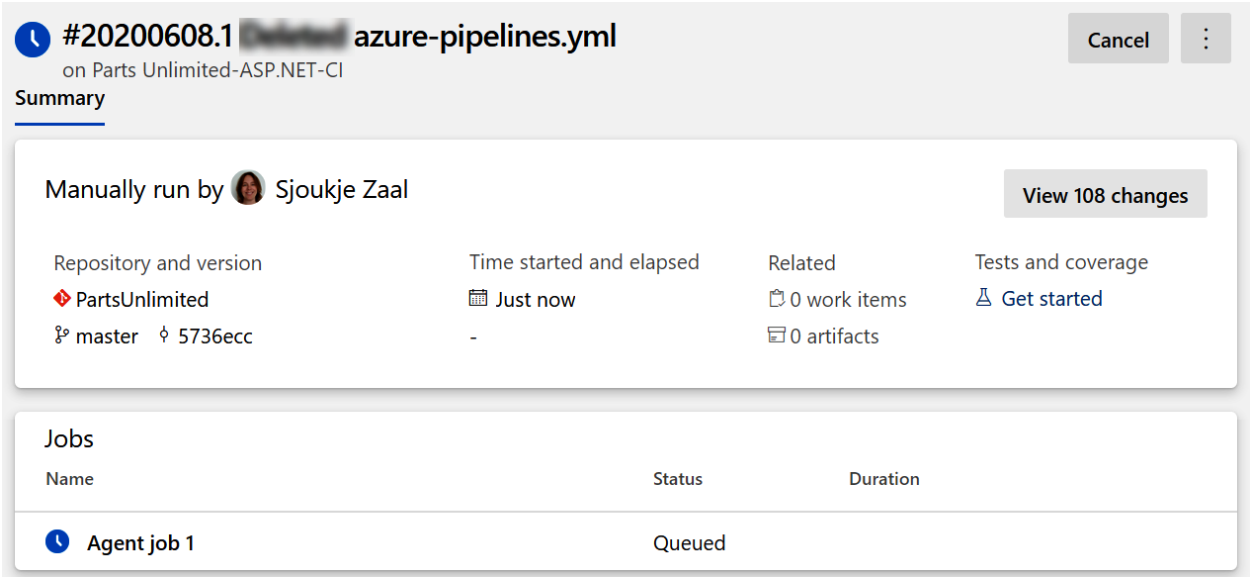
Docker container

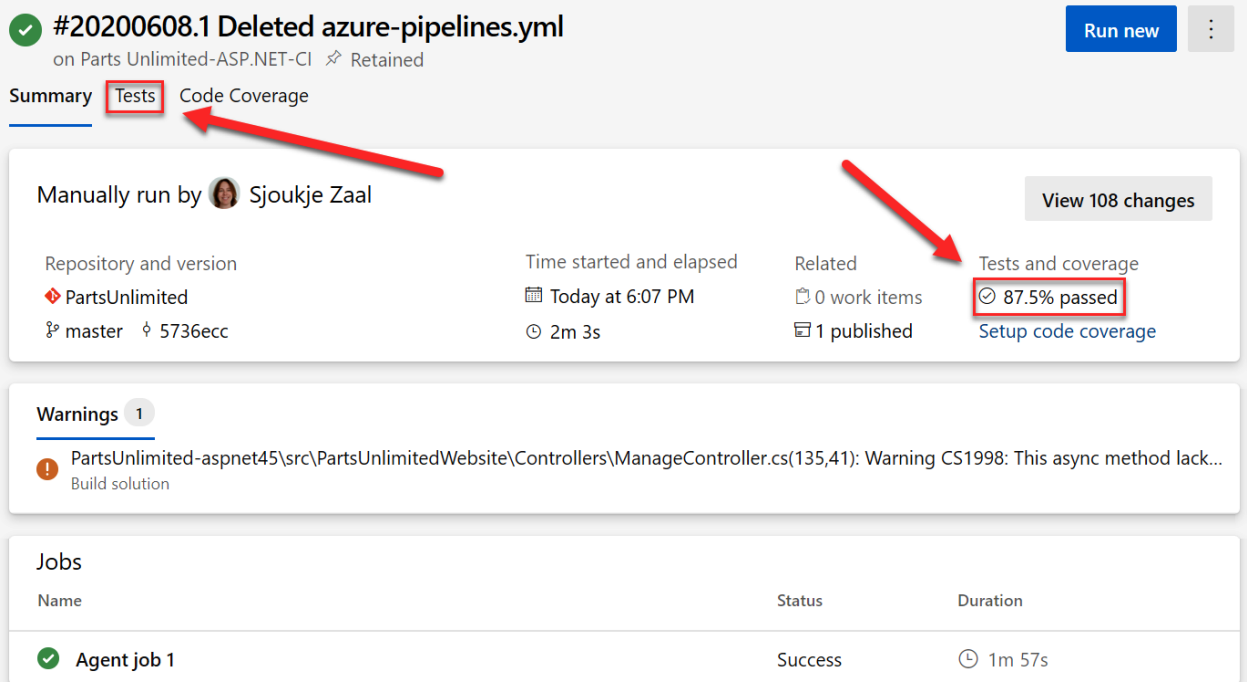
Build a Docker image and push it to a container registry.

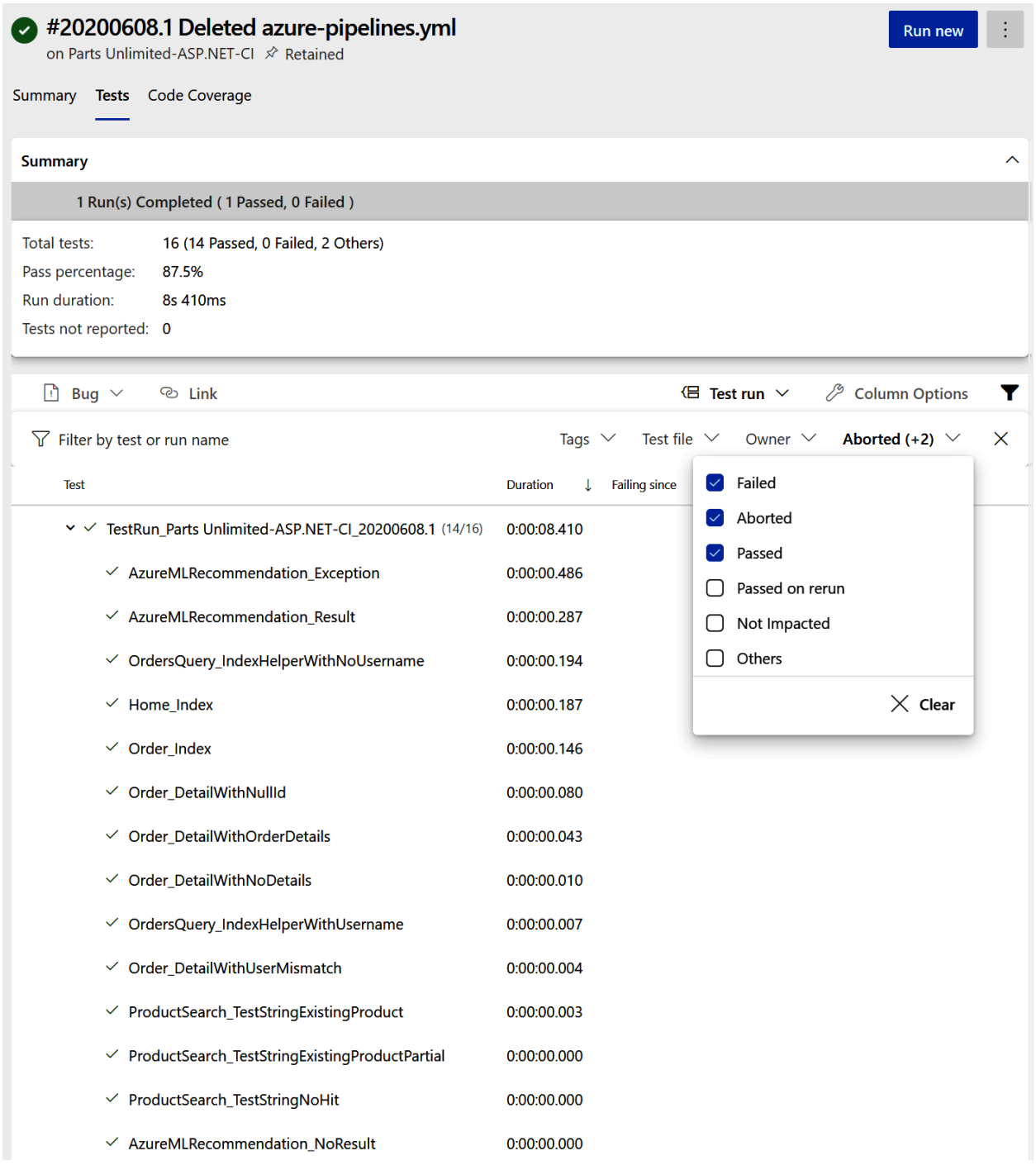

Parts Unlimited-ASP.NET-CI
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
Visual Studio Test
Link settings
View YAML
Task version
2.*
Display name *
Test Assemblies
Test selection
Select tests using *
Test assemblies
Test files *
***test*.dll
!***TestAdapter.dll
!**\obj**
Search folder *
$(System.DefaultWorkingDirectory)
Test results folder
$(Agent.TempDirectory)\TestResults
Test filter criteria
Run only impacted tests
Test mix contains UI tests

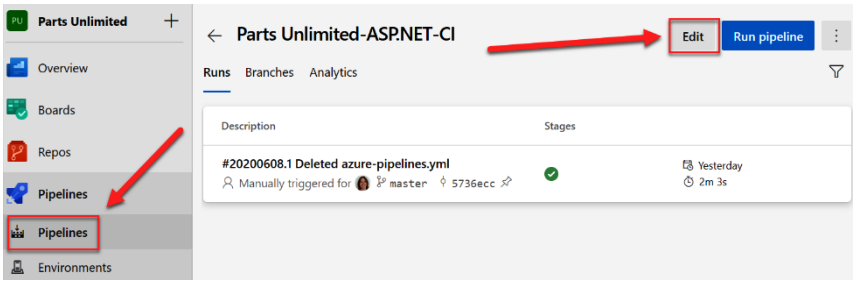

Parts Unlimited-ASP.NET-CI
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
Visual Studio Test
Link settings
View YAML
Task version
2.*
Display name *
Test Assemblies
Test selection
Select tests using *
Test assemblies
Test files *
***test*.dll
!***TestAdapter.dll
!**\obj**
Search folder *
$(System.DefaultWorkingDirectory)
Test results folder

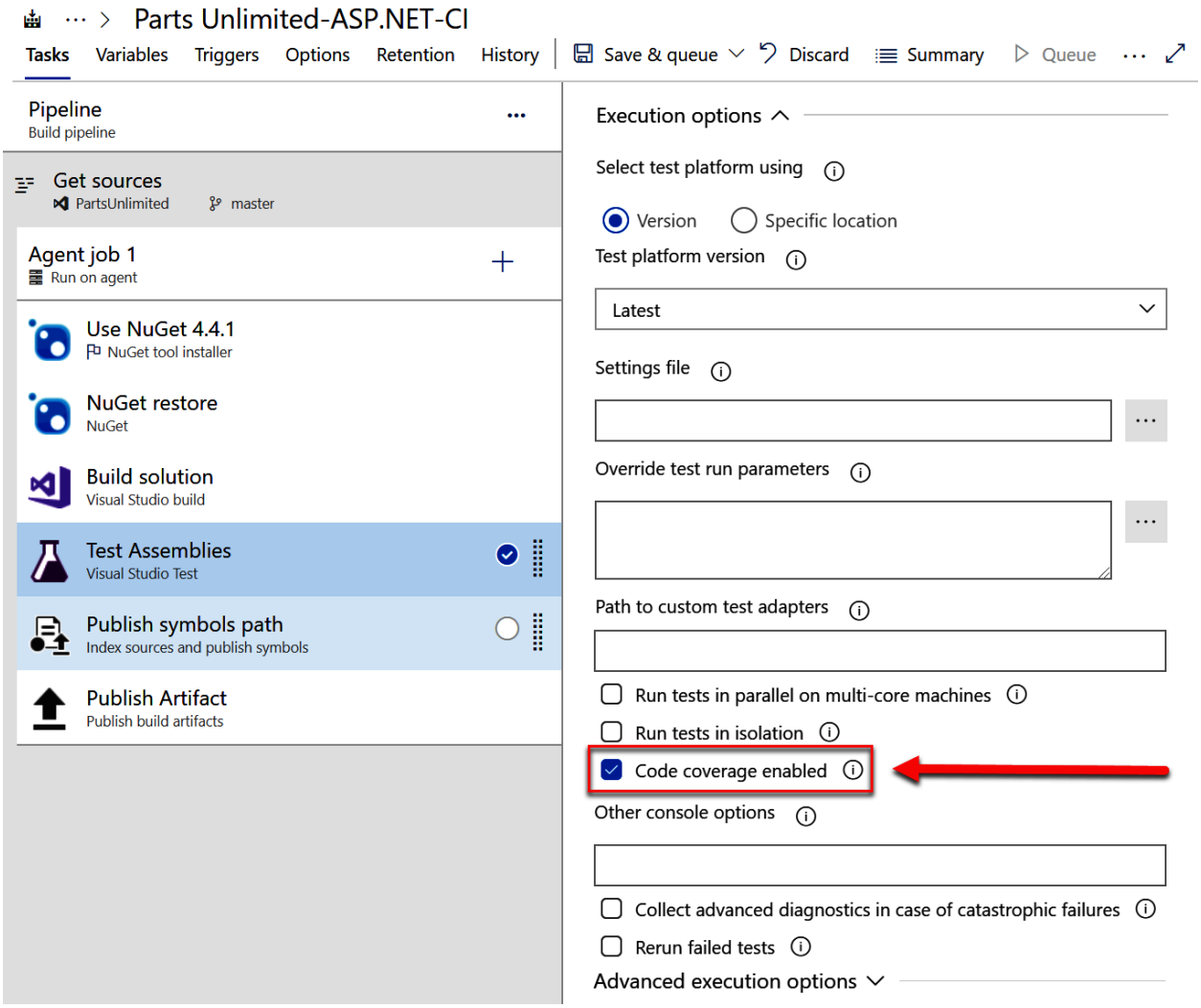

Run pipeline
Select parameters below and manually run the pipeline
Save comment
Run pipeline for test results
Agent pool
Azure Pipelines
Agent Specification *
vs2017-win2016
Branch/tag
master
Select the branch, commit, or tag
Advanced options
Variables
3 variables defined
Demands
This pipeline has no defined demands
Enable system diagnostics
Cancel
Save and run

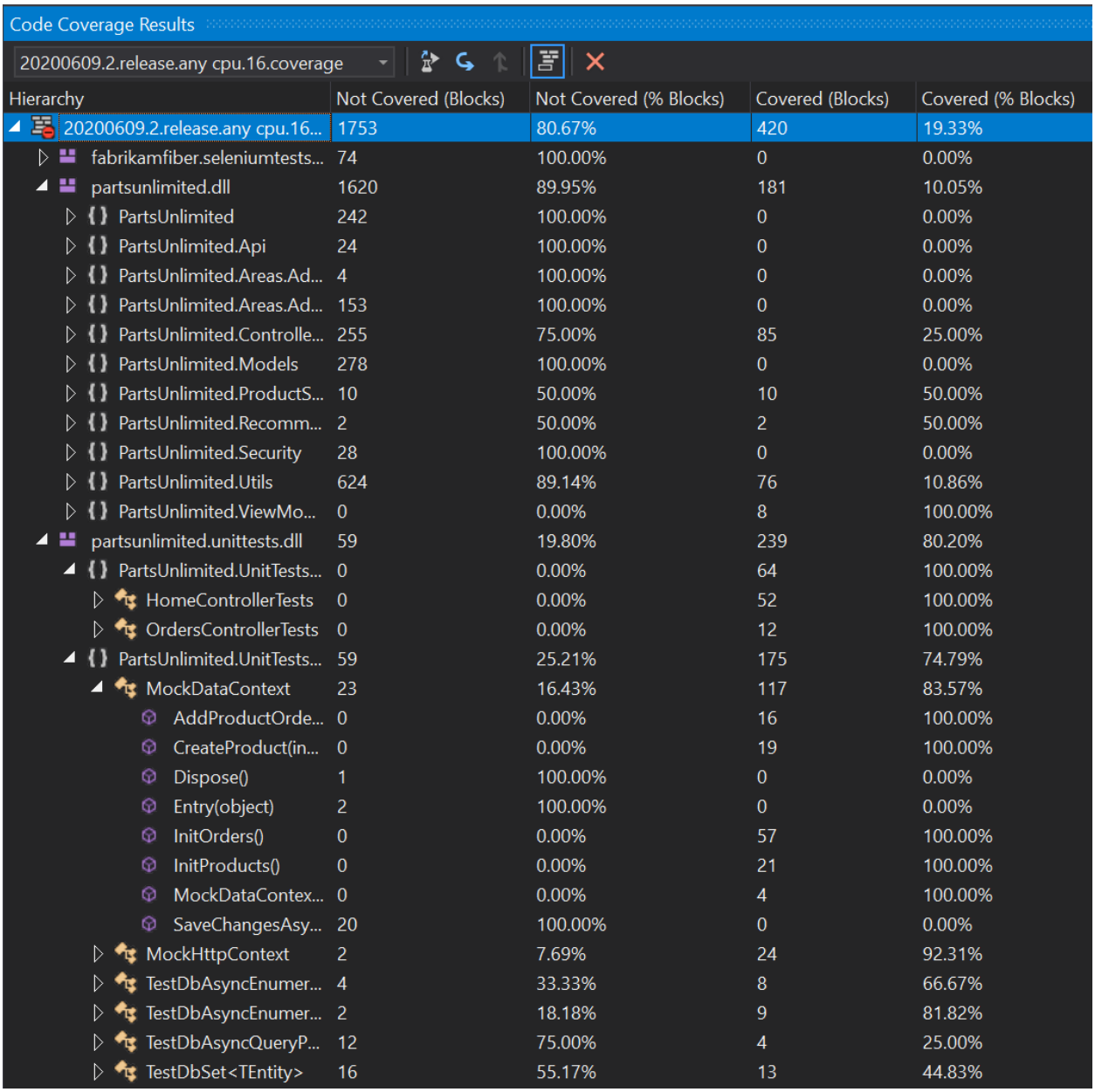

#20200608.1 [redacted] azure-pipelines.yml
on Parts Unlimited-ASP.NET-CI
Cancel
Summary
Manually run by Sjoukje Zaal
View 108 changes
Repository and version
PartsUnlimited
master 5736ecc
Time started and elapsed
Just now
-
Related
0 work items
0 artifacts
Tests and coverage
Get started
Jobs
Name
Status
Duration
Agent job 1
Queued


#20200608.1 Deleted azure-pipelines.yml
on Parts Unlimited-ASP.NET-CI
Retained
Run new
Summary
Tests
Code Coverage
Manually run by Sjoukje Zaal
View 108 changes
Repository and version
PartsUnlimited
master
5736ecc
Time started and elapsed
Today at 6:07 PM
2m 3s
Related
0 work items
1 published
Tests and coverage
87.5% passed
Setup code coverage
Warnings 1
PartsUnlimited-aspnet45\src\PartsUnlimitedWebsite\Controllers\ManageController.cs(135,41): Warning CS1998: This async method lack...
Build solution
Jobs
Name
Status
Duration
Agent job 1
Success
1m 57s

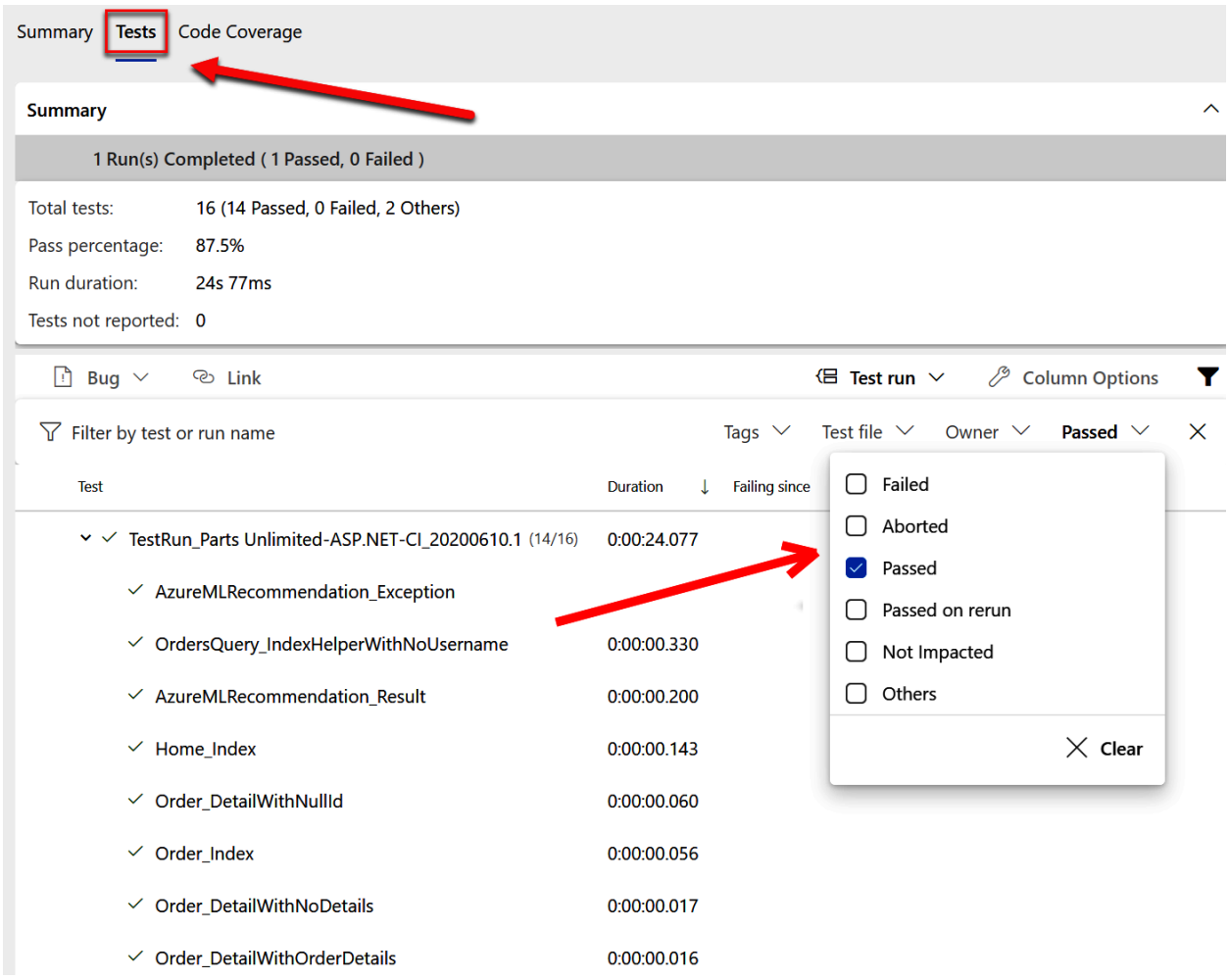

#20200608.1 Deleted azure-pipelines.yml
on Parts Unlimited-ASP.NET-CI Retained
Run new
Summary Tests Code Coverage
Summary
1 Run(s) Completed (1 Passed, 0 Failed)
Total tests: 16 (14 Passed, 0 Failed, 2 Others)
Pass percentage: 87.5%
Run duration: 8s 410ms
Tests not reported: 0
Bug Link Test run Column Options
Filter by test or run name Tags Test file Owner Aborted (+2)
Test Duration Failing since
TestRun_Parts Unlimited-ASP.NET-CI_20200608.1 (14/16) 0:00:08.410
AzureMLRecommendation_Exception 0:00:00.486
AzureMLRecommendation_Result 0:00:00.287
OrdersQuery_IndexHelperWithNoUsername 0:00:00.194
Home_Index 0:00:00.187
Order_Index 0:00:00.146
Order_DetailWithNullId 0:00:00.080
Order_DetailWithOrderDetails 0:00:00.043
Order_DetailWithNoDetails 0:00:00.010
OrdersQuery_IndexHelperWithUsername 0:00:00.007
Order_DetailWithUserMismatch 0:00:00.004
ProductSearch_TestStringExistingProduct 0:00:00.003
ProductSearch_TestStringExistingProductPartial 0:00:00.000
ProductSearch_TestStringNoHit 0:00:00.000
AzureMLRecommendation_NoResult 0:00:00.000
Failed
Aborted
Passed
Passed on rerun
Not Impacted
Others
Clear

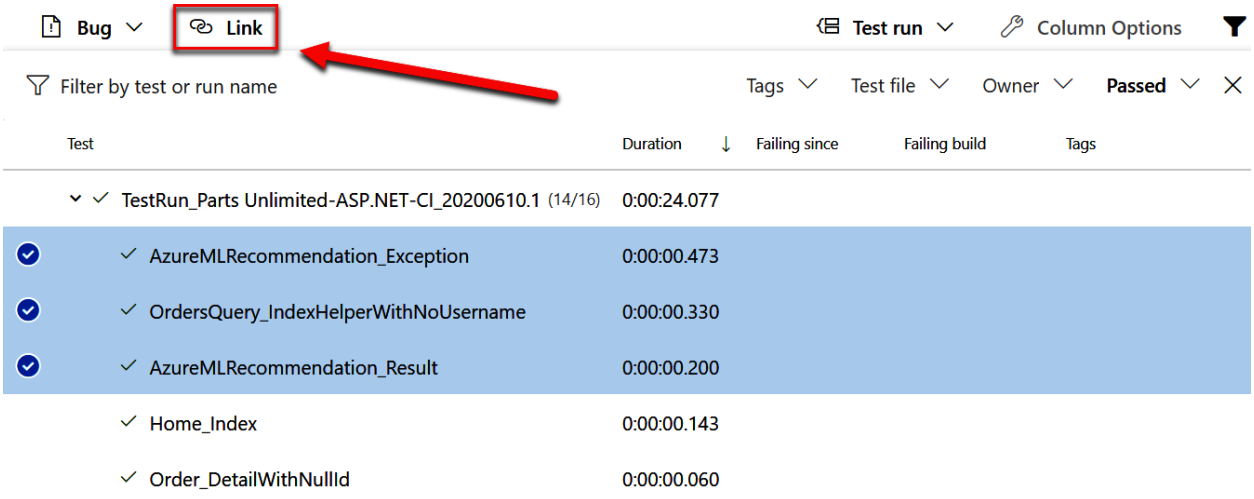

Parts Unlimited
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Parts Unlimited-ASP.NET-CI
Edit
Run pipeline
Runs Branches Analytics
Description
Stages
#20200608.1 Deleted azure-pipelines.yml
Manually triggered for
master
5736ecc
Yesterday
2m 3s


Parts Unlimited-ASP.NET-CI
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
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



Hierarchy	Not Covered (Blocks)	Not Covered (% Blocks)	Covered (Blocks)	Covered (% Blocks)
20200609.2.release.any cpu.16...	1753	80.67%	420	19.33%
fabrikamfiber.seleniumtests...	74	100.00%	0	0.00%
partsunlimited.dll	1620	89.95%	181	10.05%
PartsUnlimited	242	100.00%	0	0.00%
PartsUnlimited.Api	24	100.00%	0	0.00%
PartsUnlimited.Areas.Ad...	4	100.00%	0	0.00%
PartsUnlimited.Areas.Ad...	153	100.00%	0	0.00%
PartsUnlimited.Controlle...	255	75.00%	85	25.00%
PartsUnlimited.Models	278	100.00%	0	0.00%
PartsUnlimited.ProductS...	10	50.00%	10	50.00%
PartsUnlimited.Recomm...	2	50.00%	2	50.00%
PartsUnlimited.Security	28	100.00%	0	0.00%
PartsUnlimited.Utils	624	89.14%	76	10.86%
PartsUnlimited.ViewMo...	0	0.00%	8	100.00%
partsunlimited.unittests.dll	59	19.80%	239	80.20%
PartsUnlimited.UnitTests...	0	0.00%	64	100.00%
HomeControllerTests	0	0.00%	52	100.00%
OrdersControllerTests	0	0.00%	12	100.00%
PartsUnlimited.UnitTests...	59	25.21%	175	74.79%
MockDataContext	23	16.43%	117	83.57%
AddProductOrde...	0	0.00%	16	100.00%
CreateProduct(in...	0	0.00%	19	100.00%
Dispose()	1	100.00%	0	0.00%
Entry(object)	2	100.00%	0	0.00%
InitOrders()	0	0.00%	57	100.00%
InitProducts()	0	0.00%	21	100.00%
MockDataContex...	0	0.00%	4	100.00%
SaveChangesAsy...	20	100.00%	0	0.00%
MockHttpContext	2	7.69%	24	92.31%
TestDbAsyncEnumer...	4	33.33%	8	66.67%
TestDbAsyncEnumer...	2	18.18%	9	81.82%
TestDbAsyncQueryP...	12	75.00%	4	25.00%
TestDbSet<TEntity>	16	55.17%	13	44.83%


Summary
Tests
Code Coverage
Summary
1 Run(s) Completed (1 Passed, 0 Failed)
Total tests: 16 (14 Passed, 0 Failed, 2 Others)
Pass percentage: 87.5%
Run duration: 24s 77ms
Tests not reported: 0
Bug
Link
Test run
Column Options
Filter by test or run name
Tags
Test file
Owner
Passed
Test
Duration
Failing since
TestRun_Parts Unlimited-ASP.NET-CI_20200610.1 (14/16) 0:00:24.077
AzureMLRecommendation_Exception
OrdersQuery_IndexHelperWithNoUsername 0:00:00.330
AzureMLRecommendation_Result 0:00:00.200
Home_Index 0:00:00.143
Order_DetailWithNullId 0:00:00.060
Order_Index 0:00:00.056
Order_DetailWithNoDetails 0:00:00.017
Order_DetailWithOrderDetails 0:00:00.016
Failed
Aborted
Passed
Passed on rerun
Not Impacted
Others
Clear


Bug
Link
Test run
Column Options
Filter by test or run name
Tags
Test file
Owner
Passed
Test
Duration
Failing since
Failing build
Tags
TestRun_Parts Unlimited-ASP.NET-CI_20200610.1 (14/16) 0:00:24.077
AzureMLRecommendation_Exception 0:00:00.473
OrdersQuery_IndexHelperWithNoUsername 0:00:00.330
AzureMLRecommendation_Result 0:00:00.200
Home_Index 0:00:00.143
Order_DetailWithNullId 0:00:00.060

Associate tests to work item

As a tester

ID	Title	State	Assigned To
160	As tester, I need to test th...	New	

Associate Close

AzureMLRecommendation_Exception

Result Details

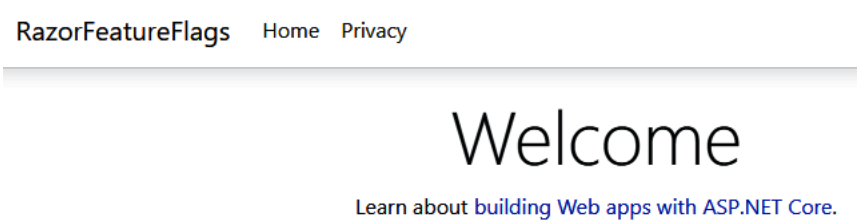
✓ Passed 1h ago on fv-az335		Duration	0:00:00.473
Owner	not available	Date started	6/10/2020, 8:05:25 AM
Date completed	6/10/2020, 8:05:25 AM		

Debug **Work items** Attachments History

Requirements (1)

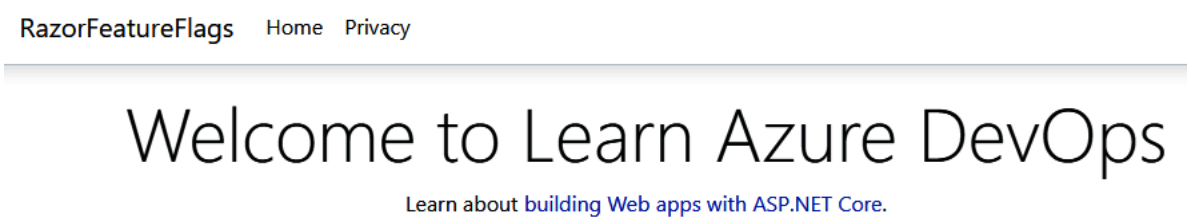
ID	Title	State	Assigned To
160	As tester, I need to test the website on all the relevant broswers and d	New	

```
AzureAD+SjoukjeZaal@SZ-Desktop MINGW64 ~/RazorFeatureFlags
$ dotnet run
info: Microsoft.Hosting.Lifetime[0]
      Now listening on: https://localhost:5001
info: Microsoft.Hosting.Lifetime[0]
      Now listening on: http://localhost:5000
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: C:\Users\SjoukjeZaal\RazorFeatureFlags
```



Pages > Index.cshtml.cs > {} RazorFeatureFlags.Pages

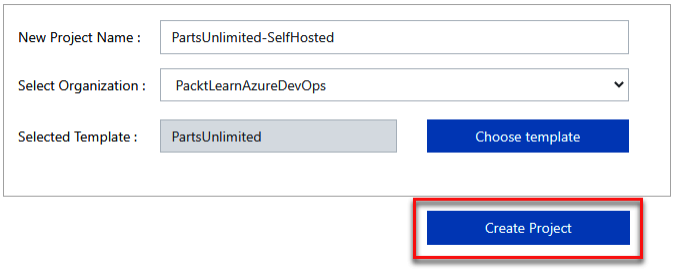
```
1   using System;
2   using System.Collections.Generic;
3   using System.Linq;
4   using System.Threading.Tasks;
5   using Microsoft.AspNetCore.Mvc;
6   using Microsoft.AspNetCore.Mvc.RazorPages;
7   using Microsoft.Extensions.Logging;
8   using Microsoft.FeatureManagement;
9
10  namespace RazorFeatureFlags.Pages
11  {
        6 references
12      public class IndexModel : PageModel
13      {
            2 references
14          private readonly IFeatureManager _featureManager;
            0 references
15          public IndexModel(IFeatureManager featureManager)
16          {
17              _featureManager = featureManager;
18          }
            1 reference
19          public static string WelcomeMessage { get; set; }
20
            0 references
            public async Task OnGetAsync()
21          {
22              WelcomeMessage = await _featureManager.IsEnabledAsync("ChangeBanner")
23              ? "Welcome to Learn Azure DevOps" : "Welcome";
24          }
25      }
26  }
```

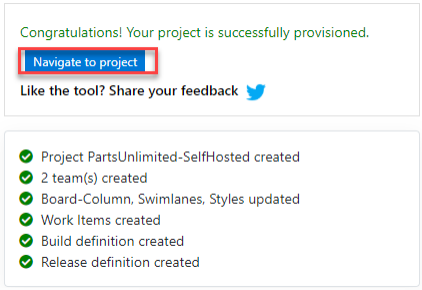


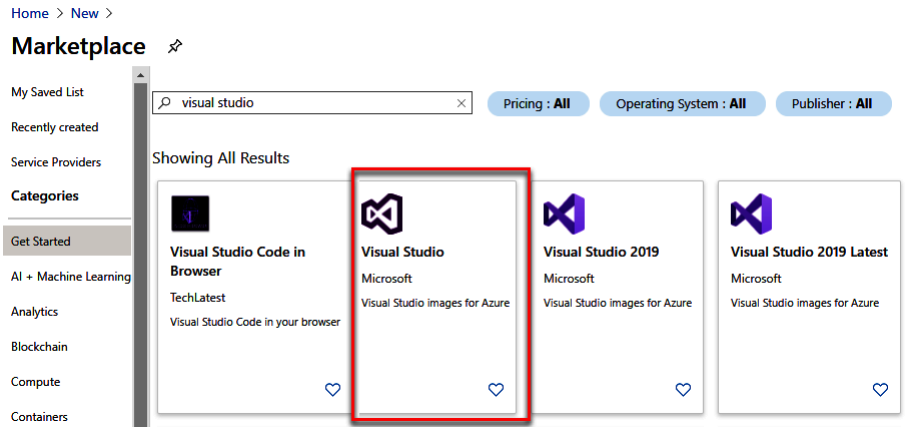
Welcome to Learn Azure DevOps

Learn about building Web apps with ASP.NET Core.

Chapter 6: Hosting Your Own Azure Pipeline Agent







Home > New > Marketplace >

Visual Studio

Microsoft

Visual Studio

Save for later

Microsoft

Select a software plan

Visual Studio Enterprise 2017 on Win... | Create | Start with a pre-set configuration

- Visual Studio Enterprise 2017 on Windows Server 2016 (x64)
- Visual Studio Enterprise 2017 on Windows 10 Enterprise N (x64)
- Visual Studio Enterprise 2017 (latest release) on Windows Server 2016 (x64)
- Visual Studio Enterprise 2017 (latest release) on Windows 10 Enterprise N (x64)
- Visual Studio Enterprise 2015 Update 3 with Universal Windows Tools and Azure SDK 2.9 on Windows 10 Enterprise N (x64)
- Visual Studio Enterprise 2015 Update 3 with Azure SDK 2.9 on Windows Server 2012 R2
- Visual Studio Community 2017 on Windows Server 2016 (x64)
- Visual Studio Community 2017 on Windows 10 Enterprise N (x64)
- Visual Studio Community 2017 (latest release) on Windows Server 2016 (x64)
- Visual Studio Community 2017 (latest release) on Windows 10 Enterprise N (x64)
- Visual Studio Community 2015 Update 3 with Universal Windows Tools and Azure SDK 2.9 on Windows 10 Enterprise N (x64)
- Visual Studio Community 2015 Update 3 with Azure SDK 2.9 on Windows Server 2012 R2

Overview Plan

Using Visual Studio ... images with different
Visual Studio configu... aka 'RTM') version, and
the "latest" updated ...

Microsoft Visual Stud... testing, debugging,
analyzing code qual... Studio Integrated
Development Enviro...

End of Support notifi... images for this
product after suppor...

Useful Links
Visual Studio VMs
Provide survey feed...
Monthly Azure cred...
Visual Studio Produ...
Microsoft Lifecycle

Pipelines

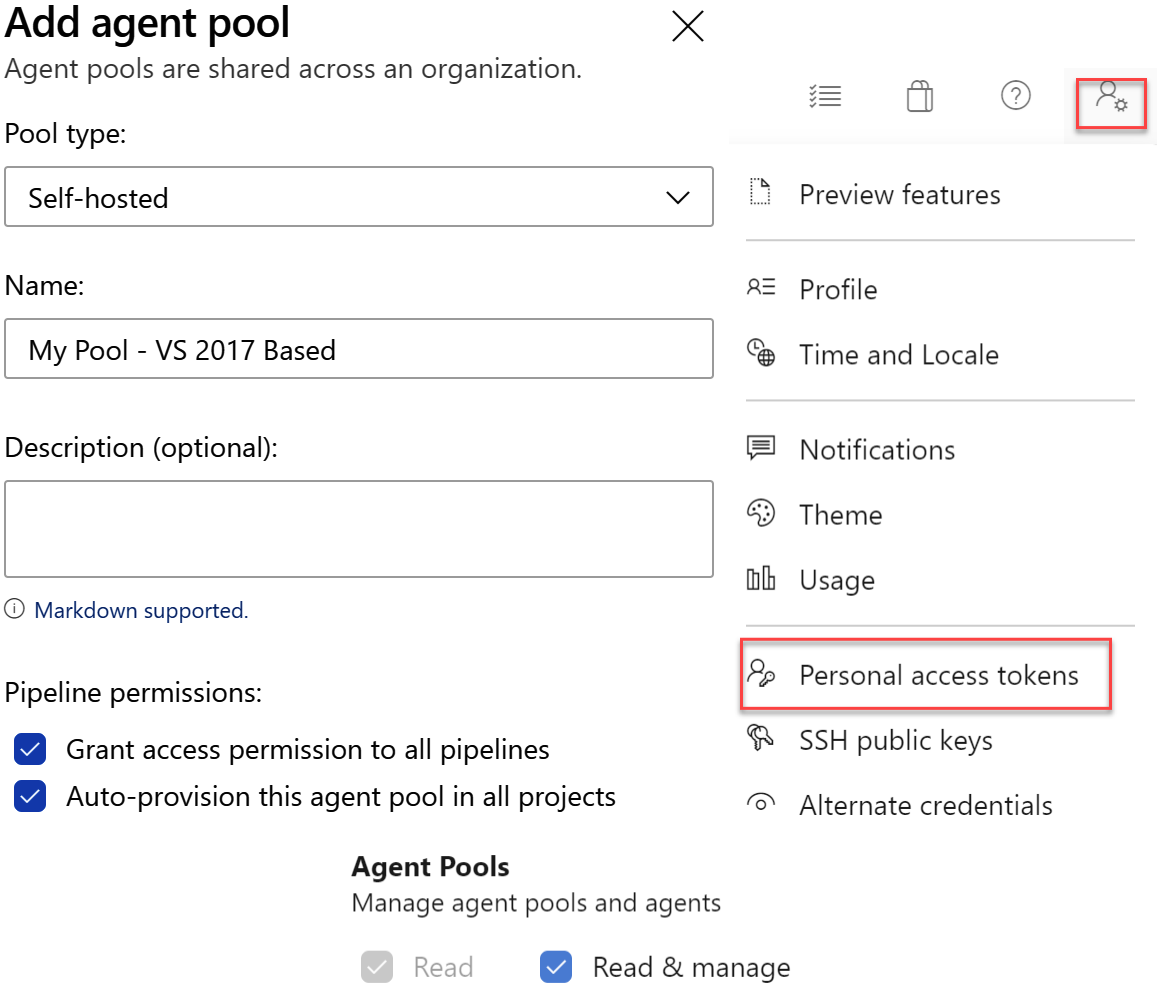
- Agent pools
- Settings
- Deployment pools
- Parallel jobs
- OAuth configurations

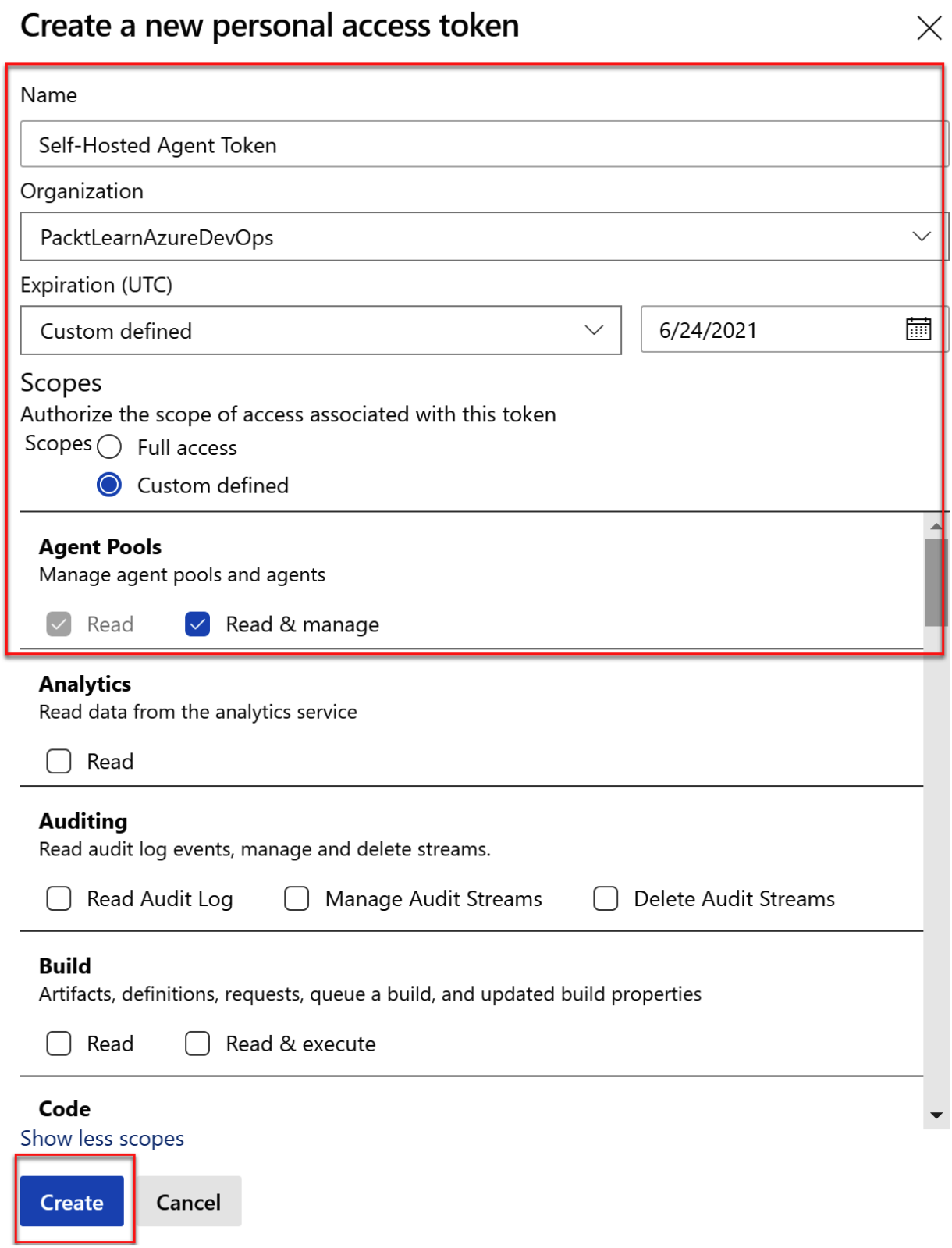
Organization settings

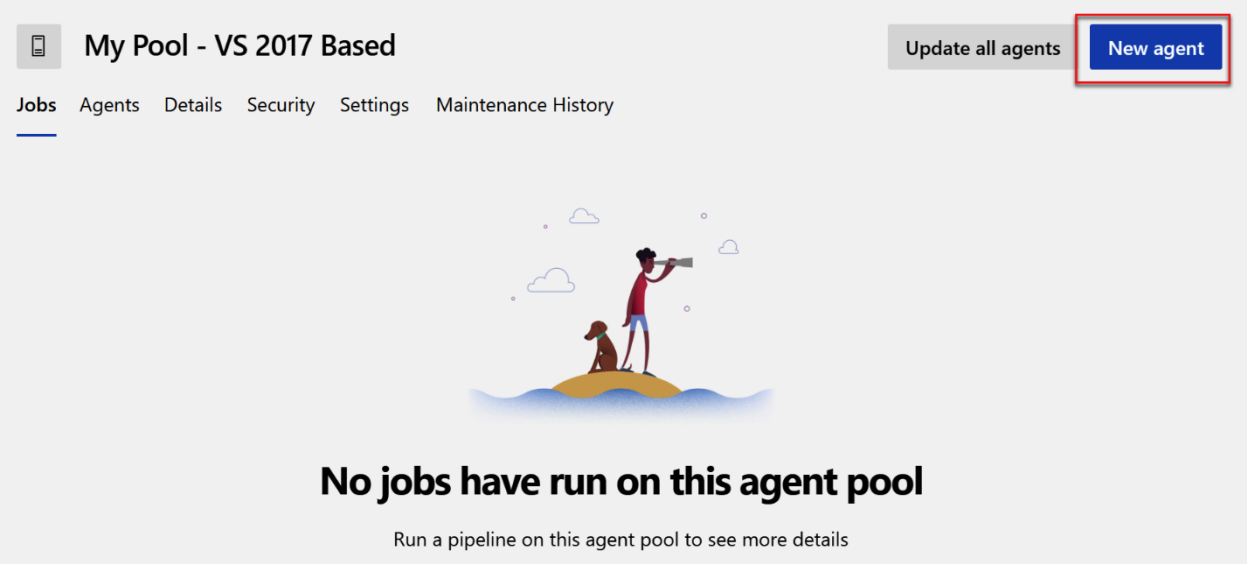
Agent pools

Security | Add pool

Name	Queued jobs	Running jobs
Azure Pipelines Azure Pipelines		
Default Azure Pipelines		


Add agent pool
Agent pools are shared across an organization.
Pool type:
Self-hosted
Name:
My Pool - VS 2017 Based
Description (optional):
Markdown supported.
Pipeline permissions:
Grant access permission to all pipelines
Auto-provision this agent pool in all projects
Preview features
Profile
Time and Locale
Notifications
Theme
Usage
Personal access tokens
SSH public keys
Alternate credentials
Agent Pools
Manage agent pools and agents
Read
Read & manage


Create a new personal access token
Name
Self-Hosted Agent Token
Organization
PacktLearnAzureDevOps
Expiration (UTC)
Custom defined
6/24/2021
Scopes
Authorize the scope of access associated with this token
Scopes
Full access
Custom defined
Agent Pools
Manage agent pools and agents
Read
Read & manage
Analytics
Read data from the analytics service
Read
Auditing
Read audit log events, manage and delete streams.
Read Audit Log
Manage Audit Streams
Delete Audit Streams
Build
Artifacts, definitions, requests, queue a build, and updated build properties
Read
Read & execute
Code
Show less scopes
Create
Cancel


My Pool - VS 2017 Based
Update all agents
New agent
Jobs
Agents
Details
Security
Settings
Maintenance History
No jobs have run on this agent pool
Run a pipeline on this agent pool to see more details

Get the agent

Windows | macOS | Linux

x64

x86

System prerequisites

Configure your account

Configure your account by following the steps outlined here.

Download the agent

Download

Create the agent

```
PS C:\> mkdir agent ; cd agent
PS C:\agent> Add-Type -AssemblyName System.IO.Compression.FileSystem ;
[System.IO.Compression.ZipFile]::ExtractToDirectory("$HOME\Downloads\vsts
agent-win-x64-2.171.1.zip", "$PWD")
```

Configure the agent

Detailed instructions

```
PS C:\agent> .\config.cmd
```

Optionally run the agent interactively

If you didn't run as a service above:

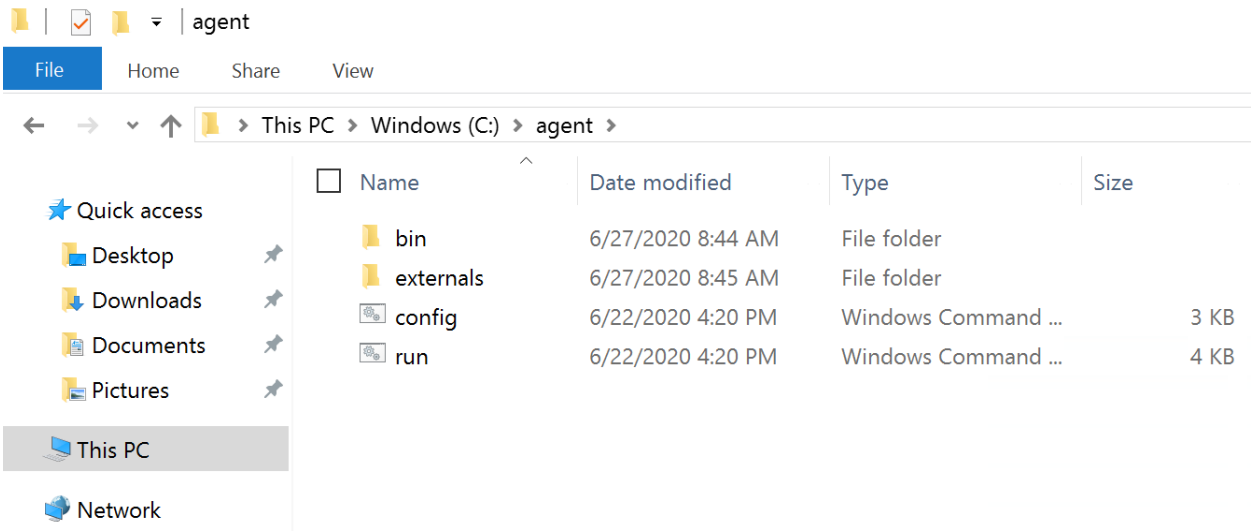
```
PS C:\agent> .\run.cmd
```

That's it!

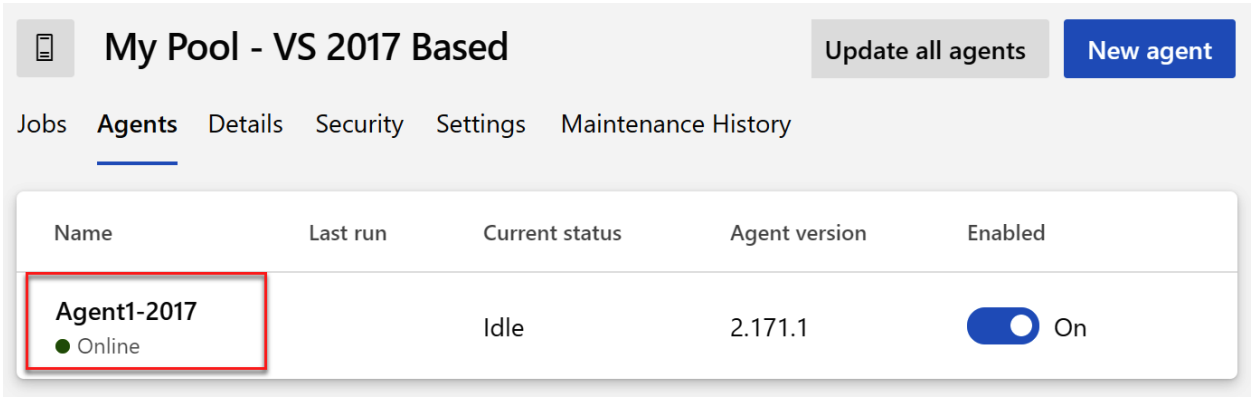
More Information

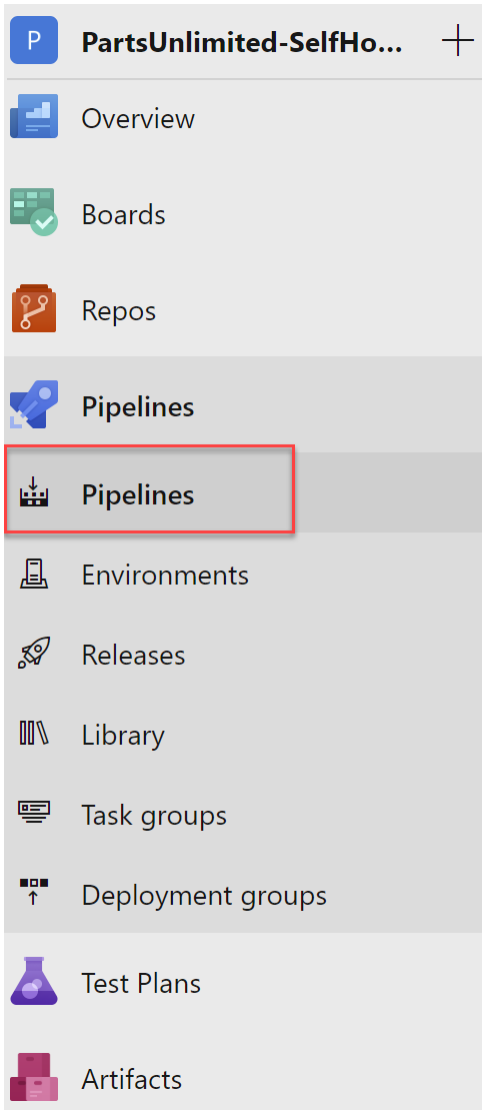
Administrator: Windows PowerShell

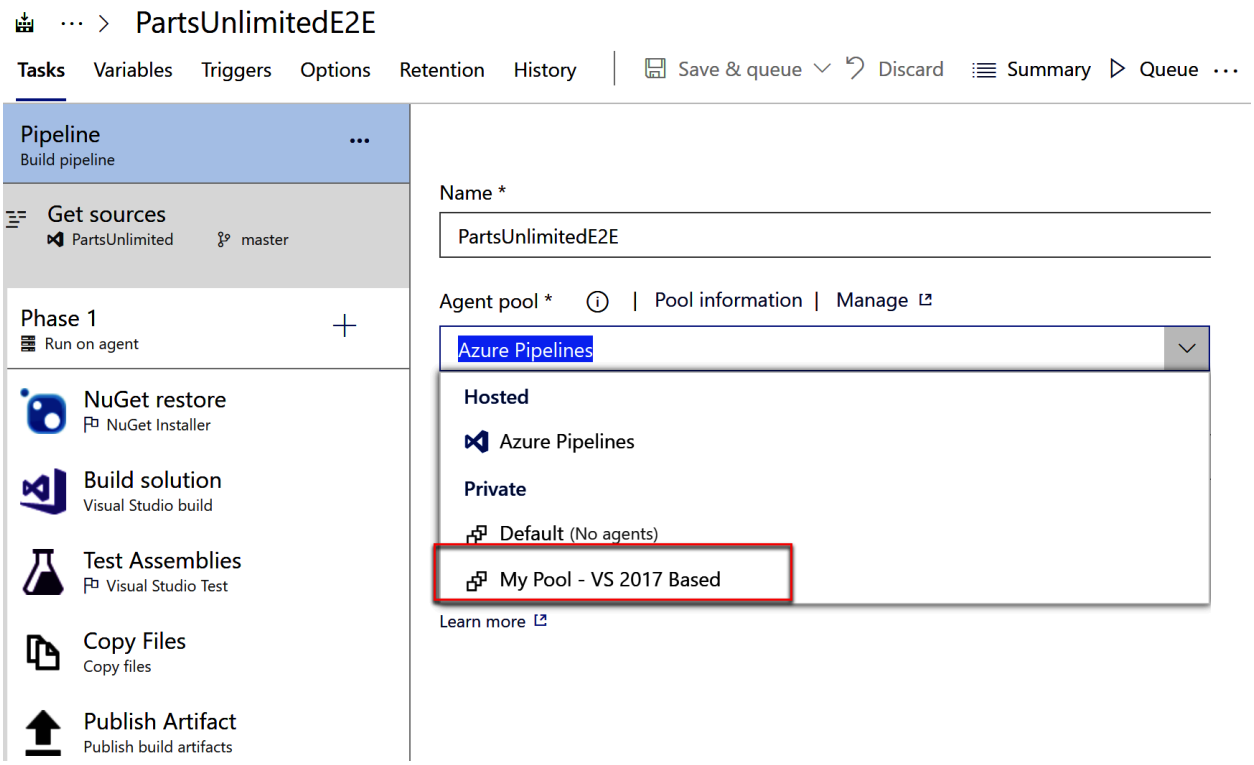
```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\AzureUser> cd C:\
PS C:\> _
```

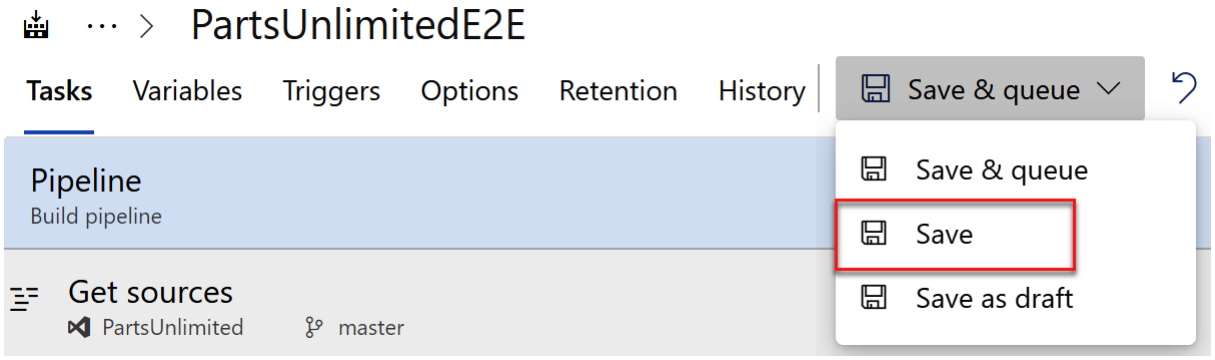


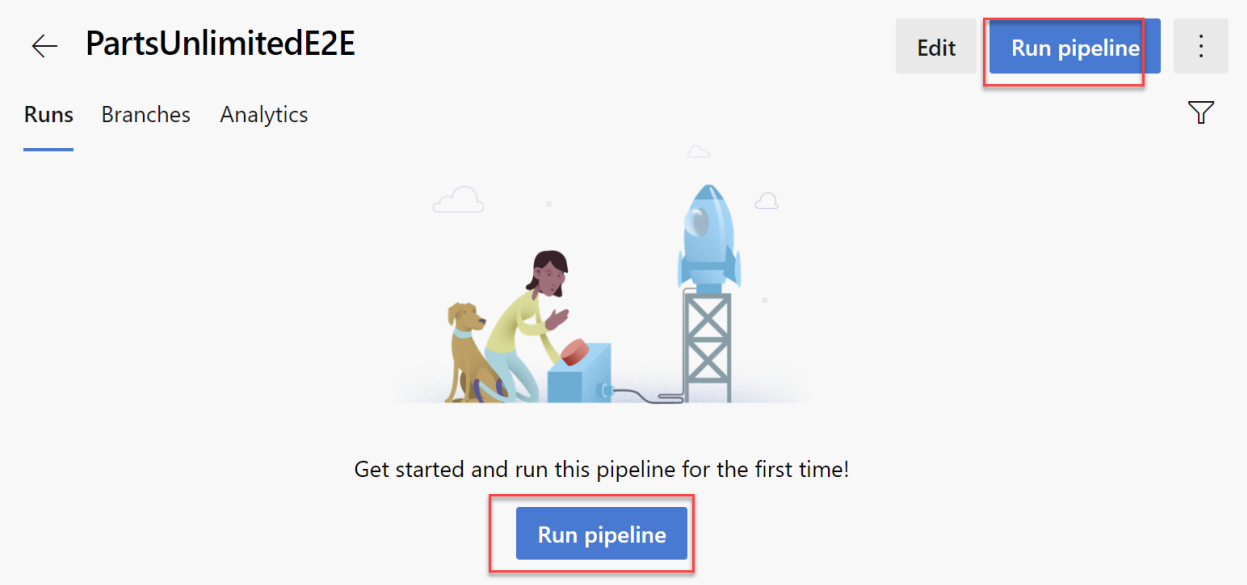

```
PS C:\agent> .\config.cmd
 ___                  ______ _        _ (_)
/ _ \                 | ___ (_)      | |
/ /_\ \ __ _ ___ _ __ | |_/ /_ _ __ | | _ _ __   ___
|  _  |/ _` |/ _ \ '_ \|  __/| | '_ \| || | '_ \ / _ \
| | | | (_| |  __/ | | | |   | | |_) | || | | | |  __/
\_| |_/\__, |\___|_| |_\_|   |_| .__/|_||_|_| |_|\___|
        __/ |                   | |
       |___/                    |_|
        agent v2.171.1                (commit 798f533)

>> Connect:

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

>> Register Agent:

Enter agent pool (press enter for default) > My Pool - VS 2017 Based
Enter agent name (press enter for agent2017) > Agent1-2017
Scanning for tool capabilities.
Connecting to the server.
Successfully added the agent
Testing agent connection.
Enter work folder (press enter for _work) >
2020-06-27 09:17:37Z: Settings Saved.
Enter run agent as service? (Y/N) (press enter for N) > Y
Enter User account to use for the service (press enter for NT AUTHORITY\NETWORK SERVICE) >
Granting file permissions to 'NT AUTHORITY\NETWORK SERVICE'.
Service vstsagent.PacktLearnAzureDevOps.My Pool - VS 2017 Based.Agent1-2017 successfully installed
Service vstsagent.PacktLearnAzureDevOps.My Pool - VS 2017 Based.Agent1-2017 successfully set recovery option
Service vstsagent.PacktLearnAzureDevOps.My Pool - VS 2017 Based.Agent1-2017 successfully set to delayed auto start
Service vstsagent.PacktLearnAzureDevOps.My Pool - VS 2017 Based.Agent1-2017 successfully configured
Service vstsagent.PacktLearnAzureDevOps.My Pool - VS 2017 Based.Agent1-2017 started successfully
PS C:\agent>
```

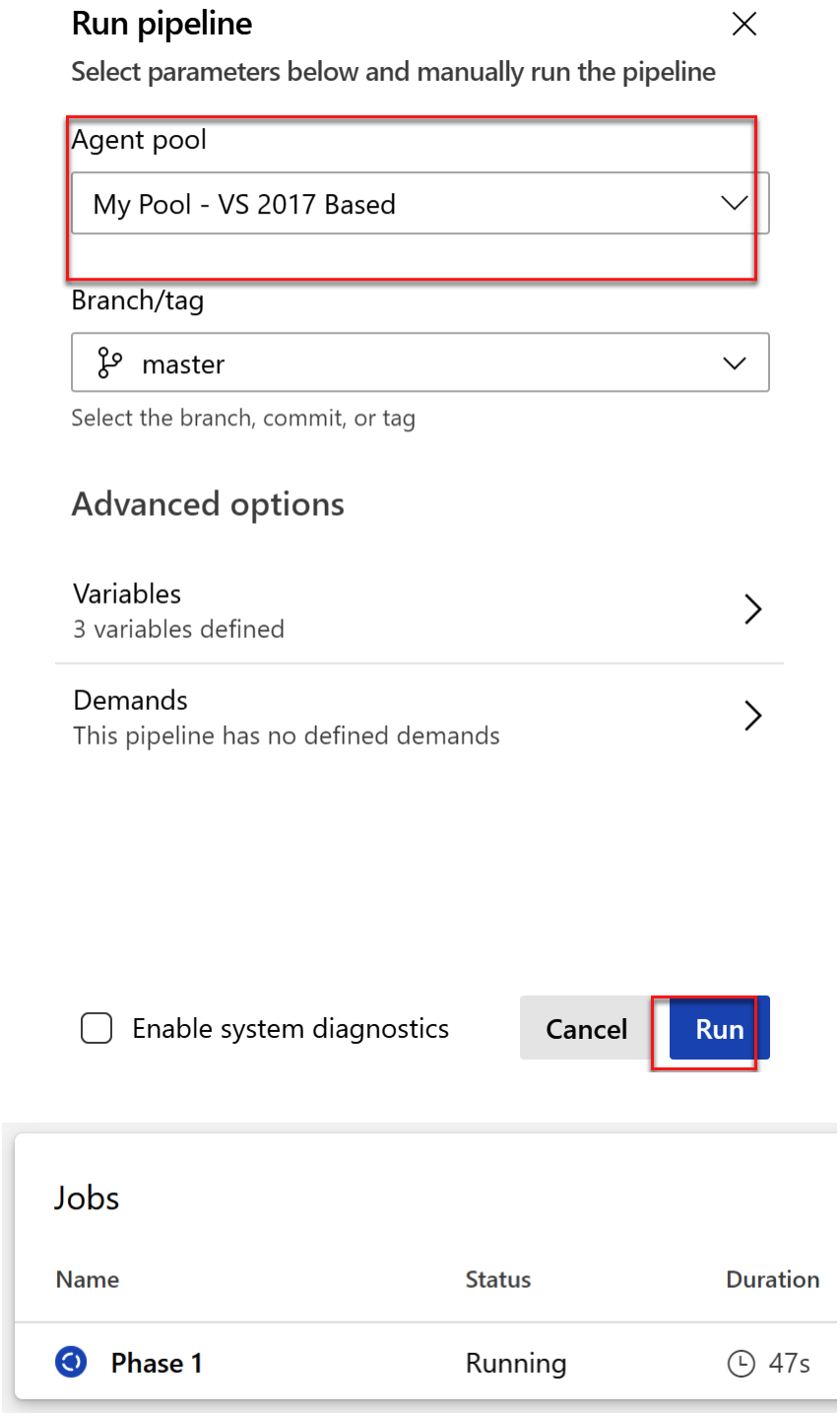


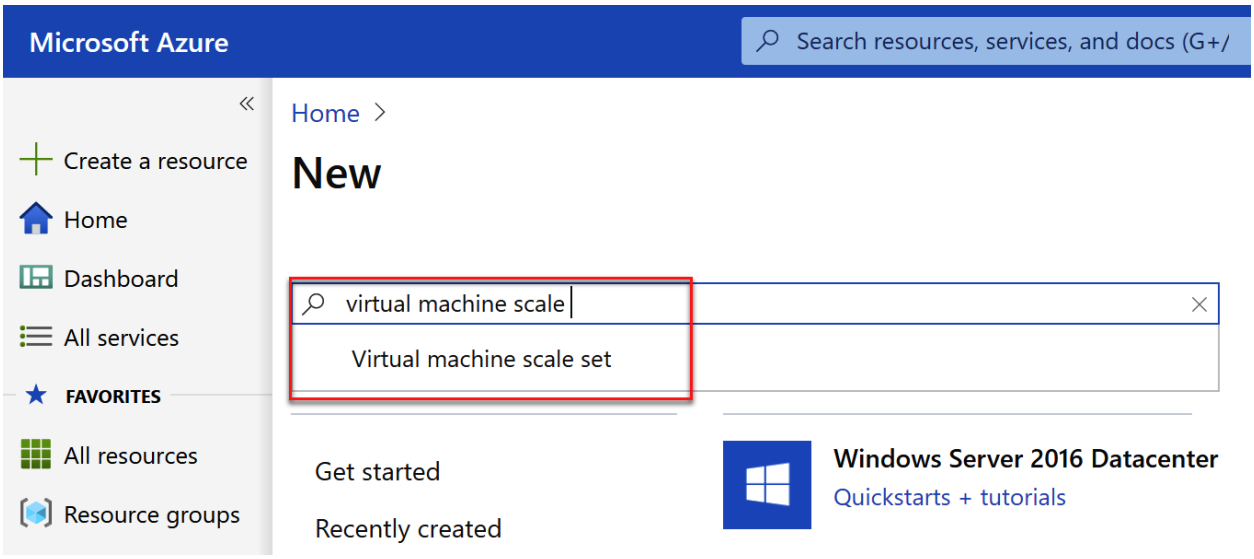

PartsUnlimited-SelfHo...
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Releases
Library
Task groups
Deployment groups
Test Plans
Artifacts


PartsUnlimitedE2E
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Phase 1
Run on agent
NuGet restore
NuGet Installer
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Copy Files
Copy files
Publish Artifact
Publish build artifacts
Name *
PartsUnlimitedE2E
Agent pool *
Pool information
Manage
Azure Pipelines
Hosted
Azure Pipelines
Private
Default (No agents)
My Pool - VS 2017 Based
Learn more


PartsUnlimitedE2E
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Save & queue
Save
Save as draft
Pipeline
Build pipeline
Get sources
PartsUnlimited
master


PartsUnlimitedE2E
Edit
Run pipeline
Runs
Branches
Analytics
Get started and run this pipeline for the first time!
Run pipeline


Run pipeline
Select parameters below and manually run the pipeline
Agent pool
My Pool - VS 2017 Based
Branch/tag
master
Select the branch, commit, or tag
Advanced options
Variables
3 variables defined
Demands
This pipeline has no defined demands
Enable system diagnostics
Cancel
Run
Jobs
Name
Status
Duration
Phase 1
Running
47s


Microsoft Azure
Search resources, services, and docs (G+/
Create a resource
Home
Dashboard
All services
FAVORITES
All resources
Resource groups
Home
New
virtual machine scale
Virtual machine scale set
Get started
Recently created
Windows Server 2016 Datacenter
Quickstarts + tutorials

Home > New > Virtual machine scale set >

Create a virtual machine scale set

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * [redacted]

Resource group * (New) Scaleset-piplines

Create new

Scale set details

Virtual machine scale set name * AzurePipelines-ScaleSet

Region * (Asia Pacific) Southeast Asia

Availability zone None

Instance details

Image * Ubuntu Server 18.04 LTS

Browse all public and private images

Azure Spot instance Yes / No

Size * Standard_D2_v3 - 2 vcpus, 8 GiB memory ($91.25/month)

Select size

Administrator account

Authentication type Password / SSH public key

Username * AzureUser

Password * ••••••••••••

Confirm password * ••••••••••••

Review + create | < Previous | Next : Disks >

Load balancing

You can place this virtual machine scale set in the backend pool of an existing Azure load balancing solution. Learn more

Use a load balancer Yes / No

Create a virtual machine scale set

Basics | Disks | Networking | **Scaling** | Management | Health | Advanced | Tags | Review + create

An Azure virtual machine scale set can automatically increase or decrease the number of VM instances that run your application. This automated and elastic behavior reduces the management overhead to monitor and optimize the performance of your application. Learn more about VMSS scaling

Instance

Initial instance count * : 2

Scaling

Scaling policy : (•) Manual ( ) Custom

Scale-In policy

Configure the order in which virtual machines are selected for deletion during a scale-in operation.
Learn more about scale-in policies.

Scale-in policy: Default - Balance across availability zones and fault domains, then delete V...

Upgrade policy

Upgrade mode * : Manual - Existing instances must be manually upgraded

Add agent pool

Agent pools are shared across an organization.

Pool type:

Azure virtual machine scale set (Preview)

Project for Service Connections:

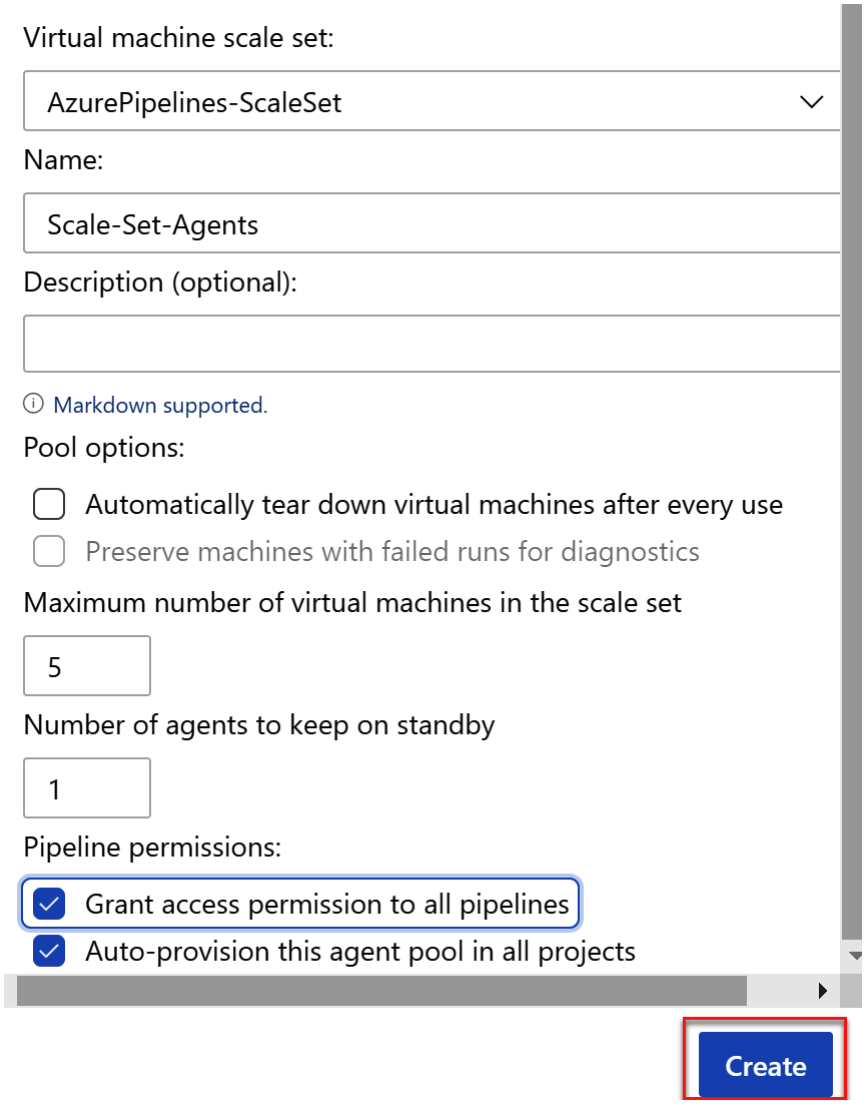
PartsUnlimited-SelfHosted

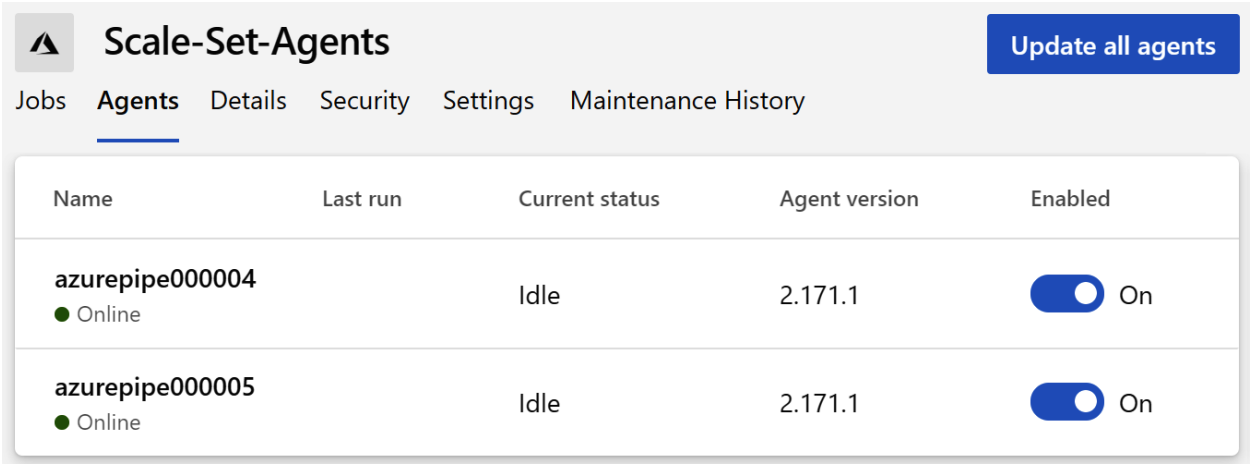
Azure subscription:

[redacted]

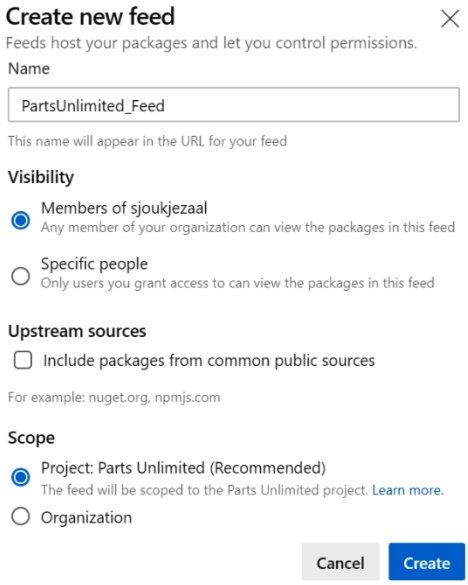
This subscription requires authorization

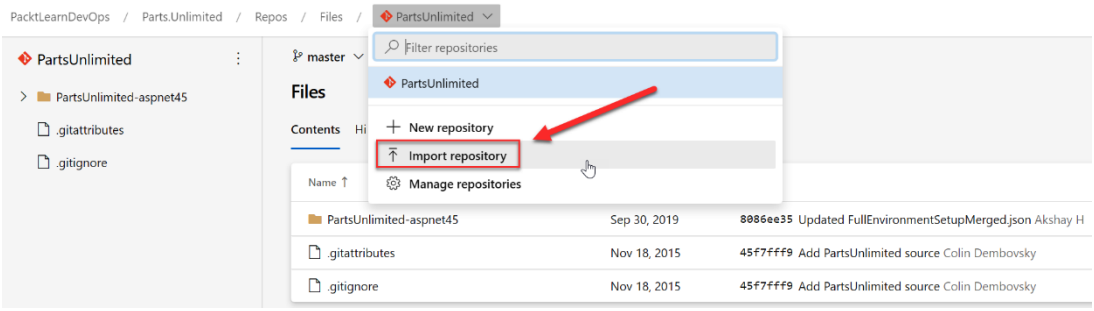
Authorize

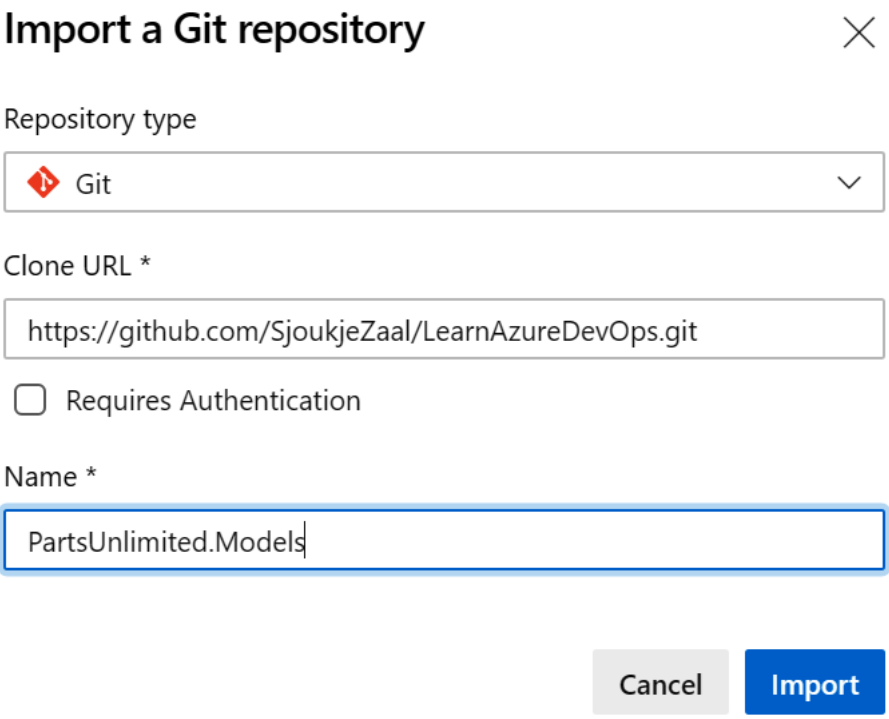

Virtual machine scale set:
AzurePipelines-ScaleSet
Name:
Scale-Set-Agents
Description (optional):
Markdown supported.
Pool options:
Automatically tear down virtual machines after every use
Preserve machines with failed runs for diagnostics
Maximum number of virtual machines in the scale set
5
Number of agents to keep on standby
1
Pipeline permissions:
Grant access permission to all pipelines
Auto-provision this agent pool in all projects
Create

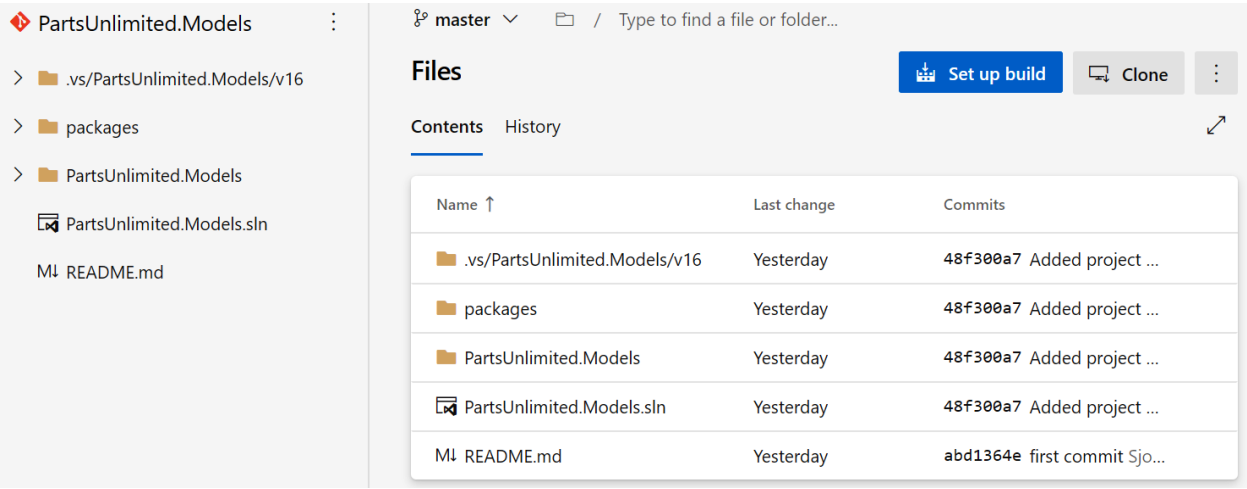

Scale-Set-Agents
Update all agents
Jobs
Agents
Details
Security
Settings
Maintenance History
Name
Last run
Current status
Agent version
Enabled
azurepipe000004
Online
Idle
2.171.1
On
azurepipe000005
Online
Idle
2.171.1
On

Chapter 7: Using Artifacts with Azure DevOps

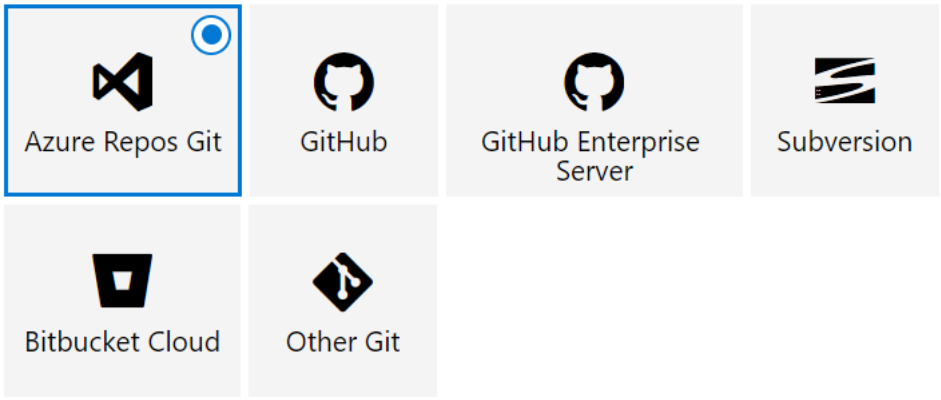





Import a Git repository
Repository type
Git
Clone URL *
https://github.com/SjoukjeZaal/LearnAzureDevOps.git
Requires Authentication
Name *
PartsUnlimited.Models
Cancel
Import


PartsUnlimited.Models
.vs/PartsUnlimited.Models/v16
packages
PartsUnlimited.Models
PartsUnlimited.Models.sln
README.md
master
Type to find a file or folder...
Files
Set up build
Clone
Contents
History
Name
Last change
Commits
.vs/PartsUnlimited.Models/v16 Yesterday 48f300a7 Added project ...
packages Yesterday 48f300a7 Added project ...
PartsUnlimited.Models Yesterday 48f300a7 Added project ...
PartsUnlimited.Models.sln Yesterday 48f300a7 Added project ...
README.md Yesterday abd1364e first commit Sjo...

Select a source



Team project

Parts.Unlimited

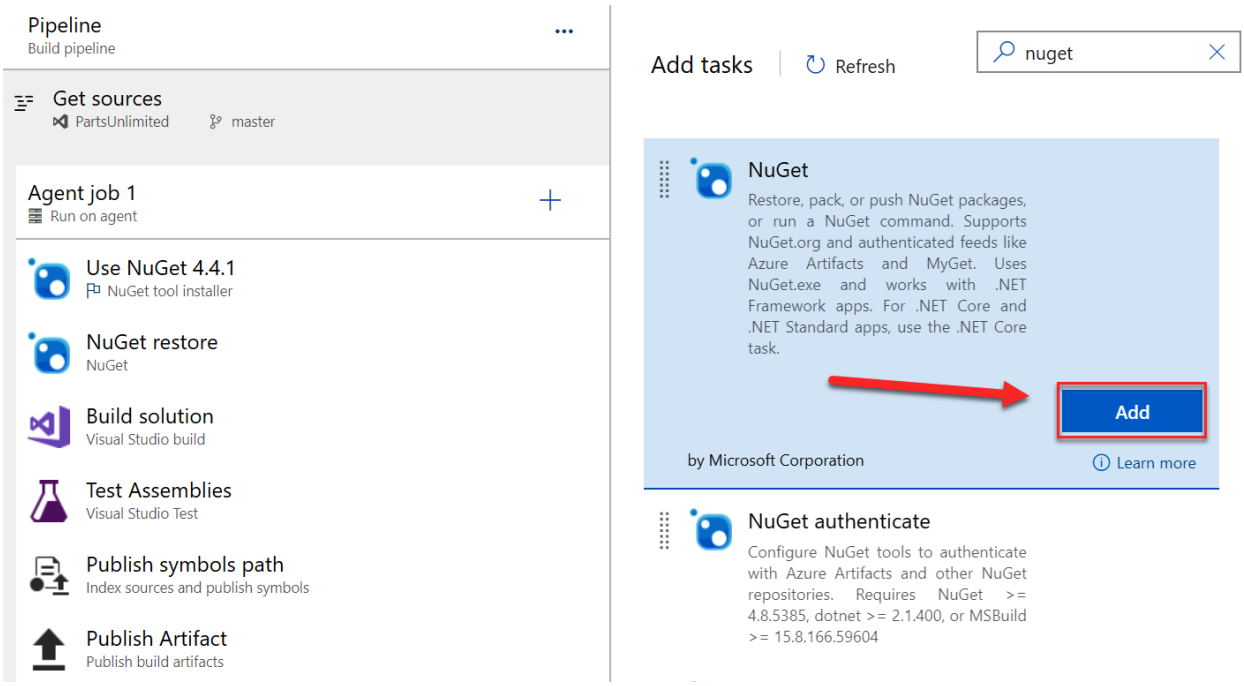
Repository

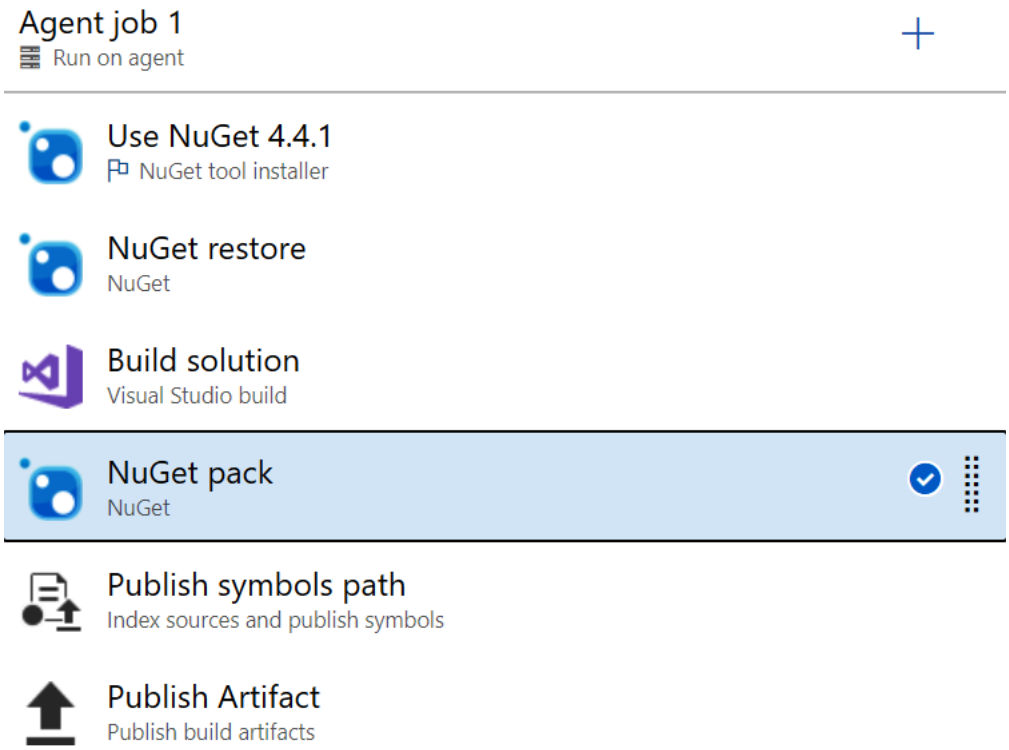
PartsUnlimited.Models

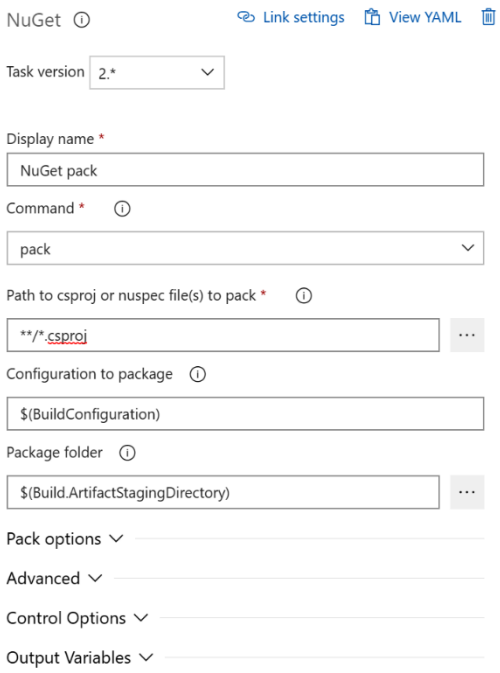
Default branch for manual and scheduled builds

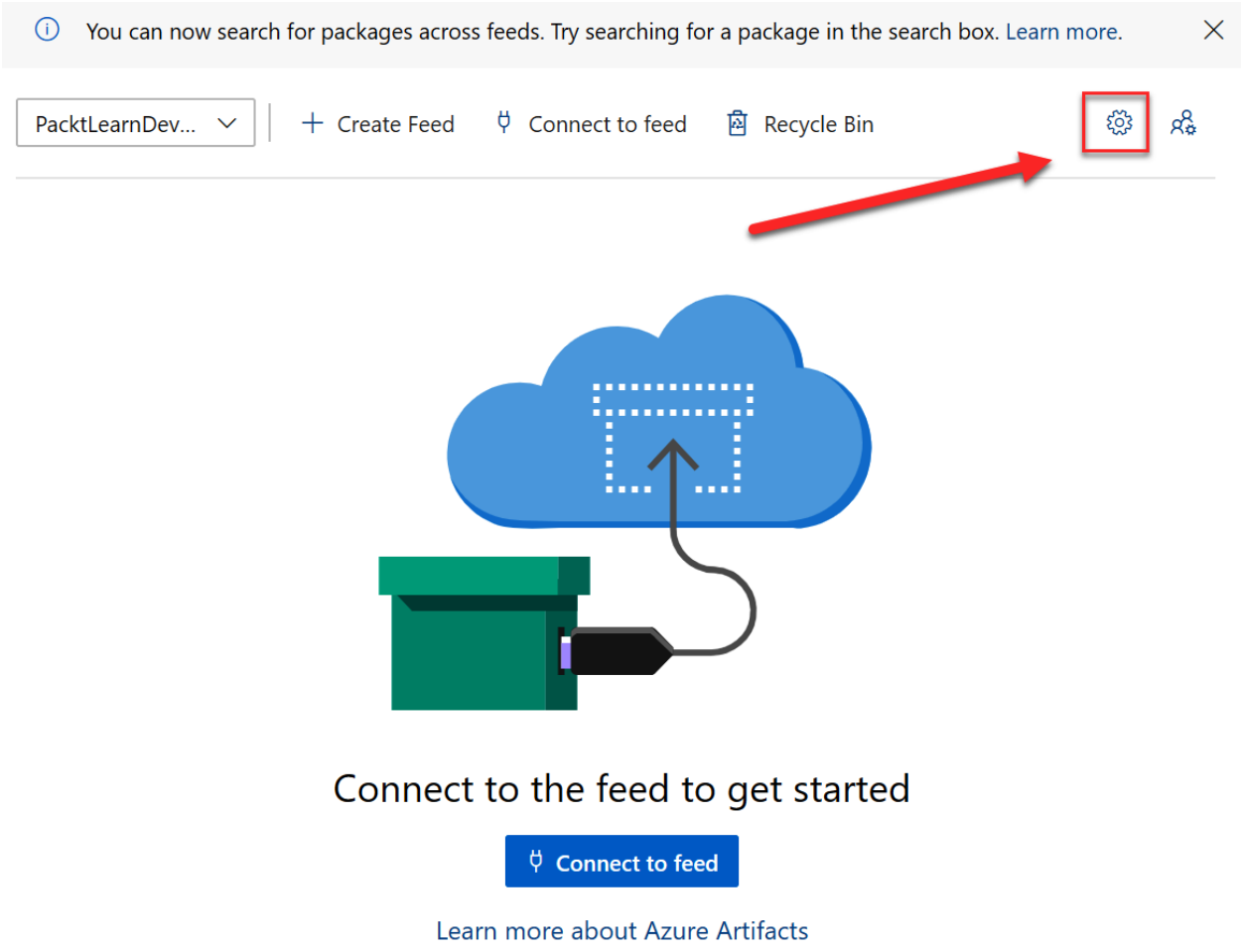
master

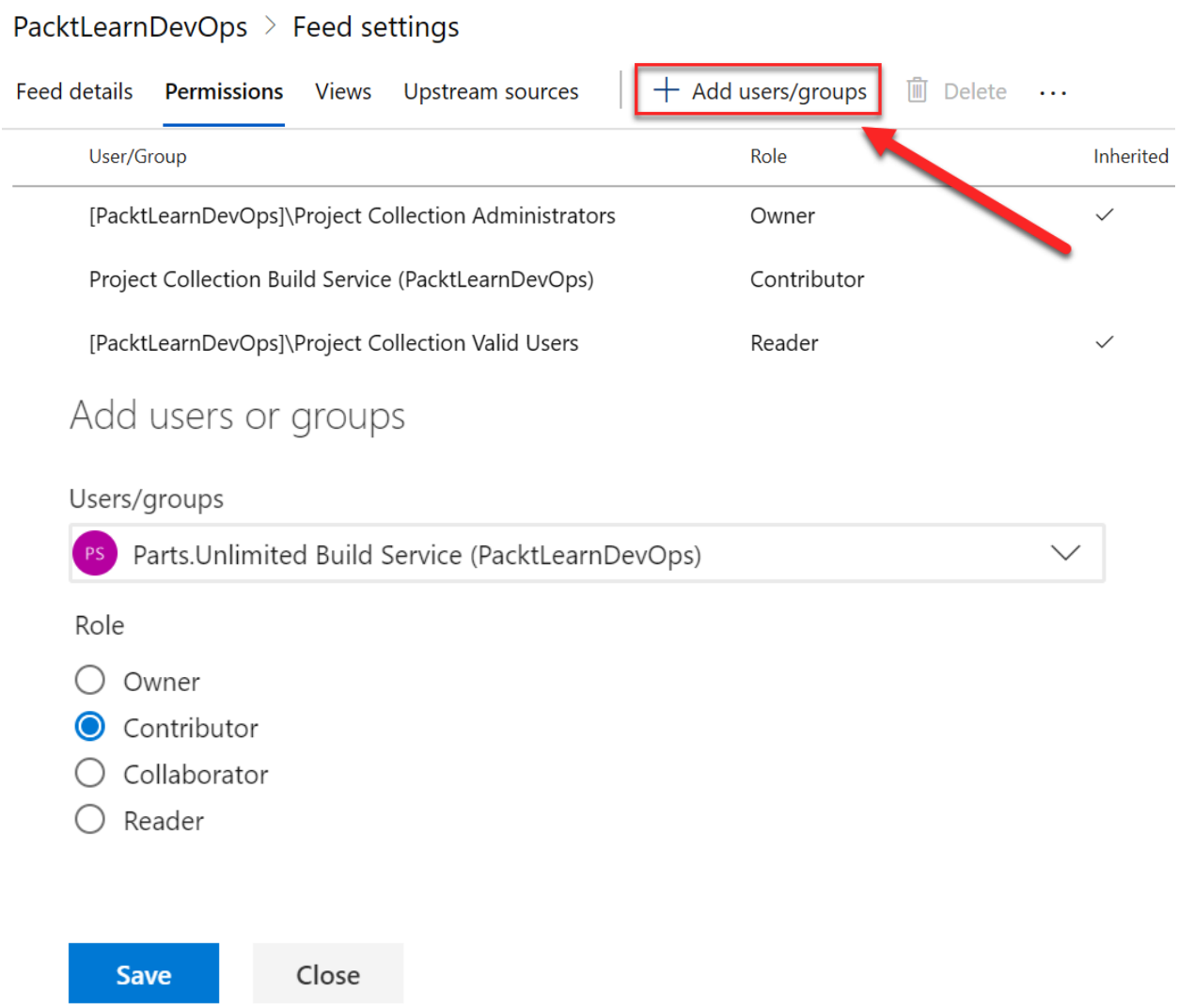
Continue

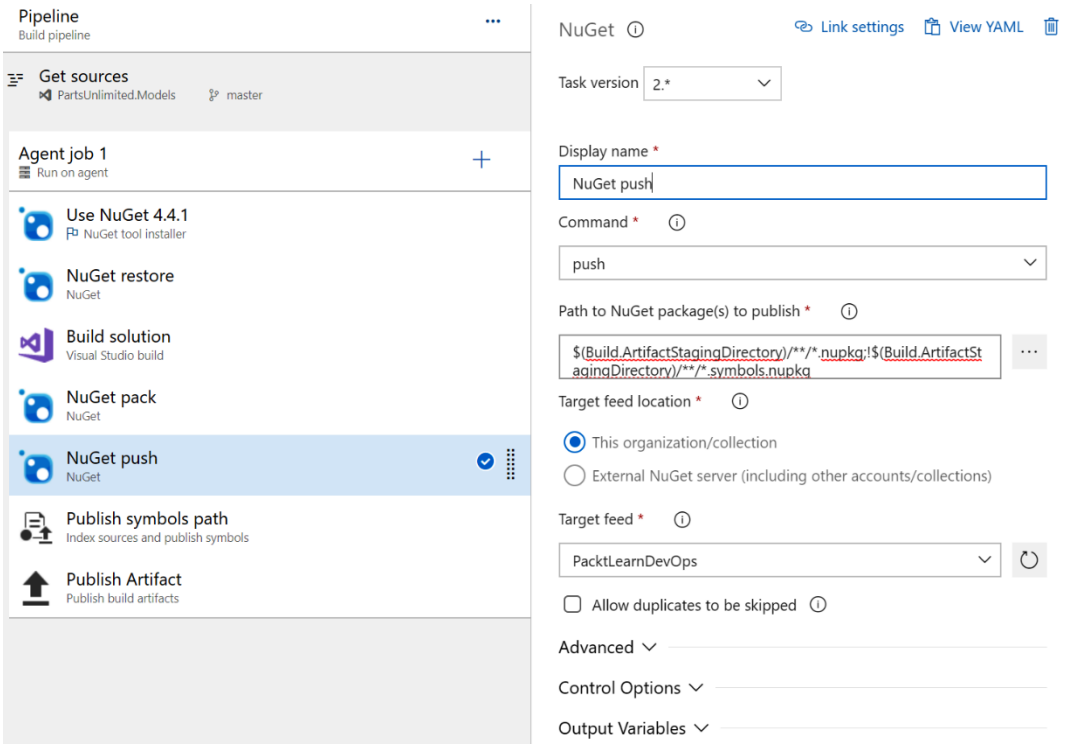

Pipeline
Build pipeline
Get sources
PartsUnlimited
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
Add tasks
Refresh
nuget
NuGet
Restore, pack, or push NuGet packages, or run a NuGet command. Supports NuGet.org and authenticated feeds like Azure Artifacts and MyGet. Uses NuGet.exe and works with .NET Framework apps. For .NET Core and .NET Standard apps, use the .NET Core task.
Add
by Microsoft Corporation
Learn more
NuGet authenticate
Configure NuGet tools to authenticate with Azure Artifacts and other NuGet repositories. Requires NuGet >= 4.8.5385, dotnet >= 2.1.400, or MSBuild >= 15.8.166.59604

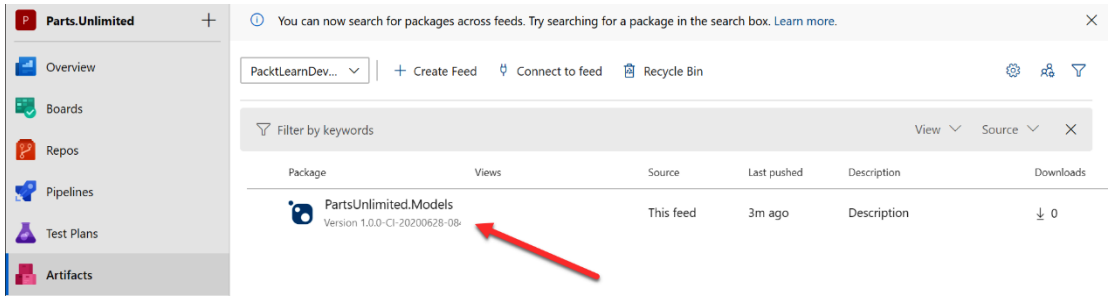

Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
NuGet pack
NuGet
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts

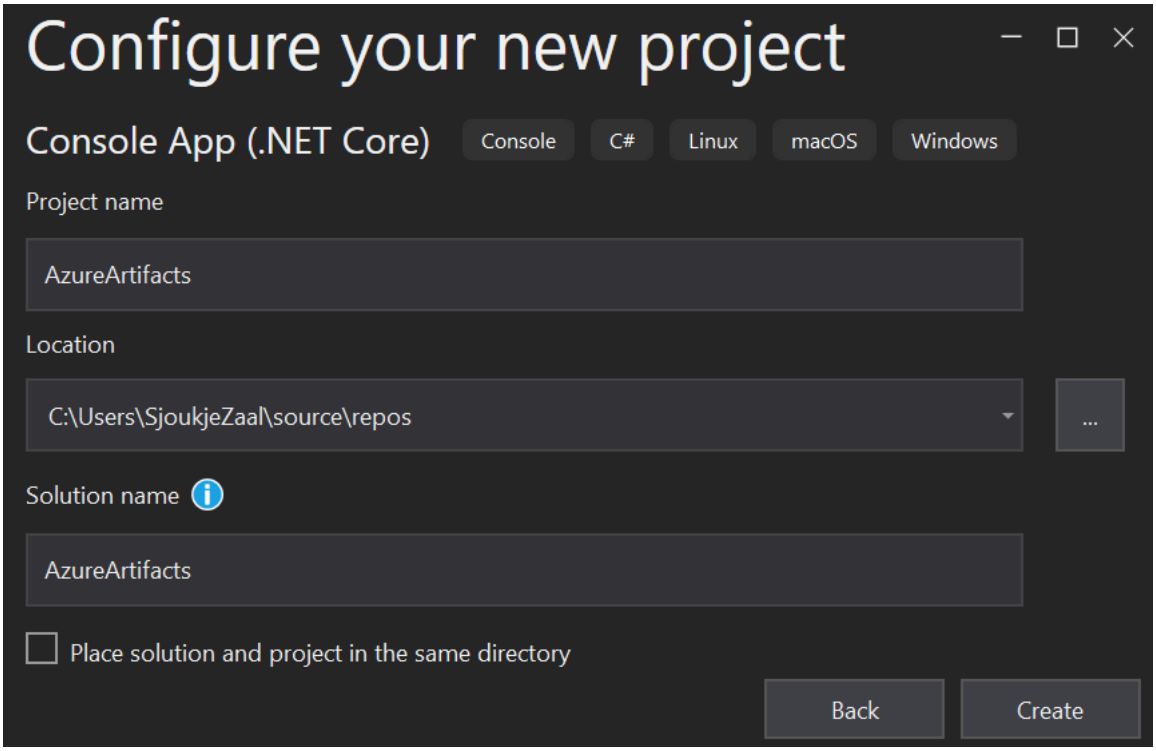

NuGet
Link settings
View YAML
Task version
2.*
Display name *
NuGet pack
Command *
pack
Path to csproj or nuspec file(s) to pack *
**/*.csproj
Configuration to package
$(BuildConfiguration)
Package folder
$(Build.ArtifactStagingDirectory)
Pack options
Advanced
Control Options
Output Variables

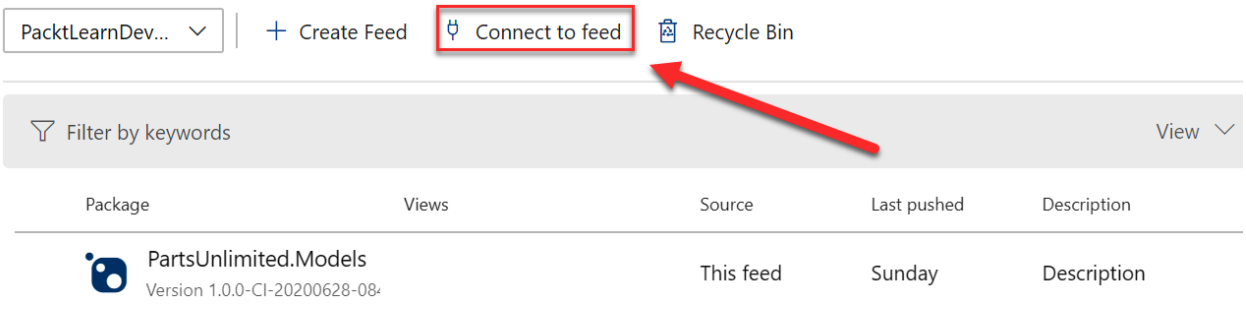

You can now search for packages across feeds. Try searching for a package in the search box. Learn more.
PacktLearnDev...
Create Feed
Connect to feed
Recycle Bin
Connect to the feed to get started
Connect to feed
Learn more about Azure Artifacts

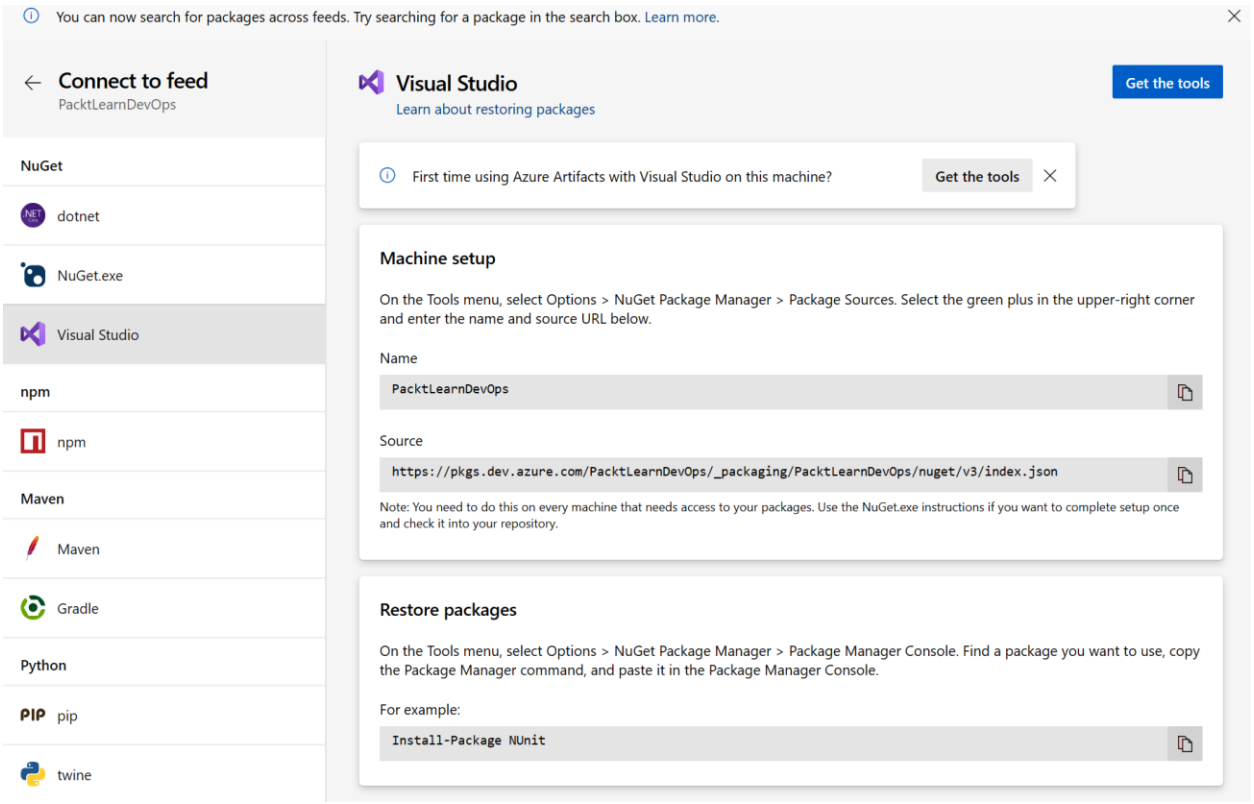

PacktLearnDevOps > Feed settings
Feed details
Permissions
Views
Upstream sources
Add users/groups
Delete
User/Group
Role
Inherited
[PacktLearnDevOps]\Project Collection Administrators
Owner
Project Collection Build Service (PacktLearnDevOps)
Contributor
[PacktLearnDevOps]\Project Collection Valid Users
Reader
Add users or groups
Users/groups
PS
Parts.Unlimited Build Service (PacktLearnDevOps)
Role
Owner
Contributor
Collaborator
Reader
Save
Close

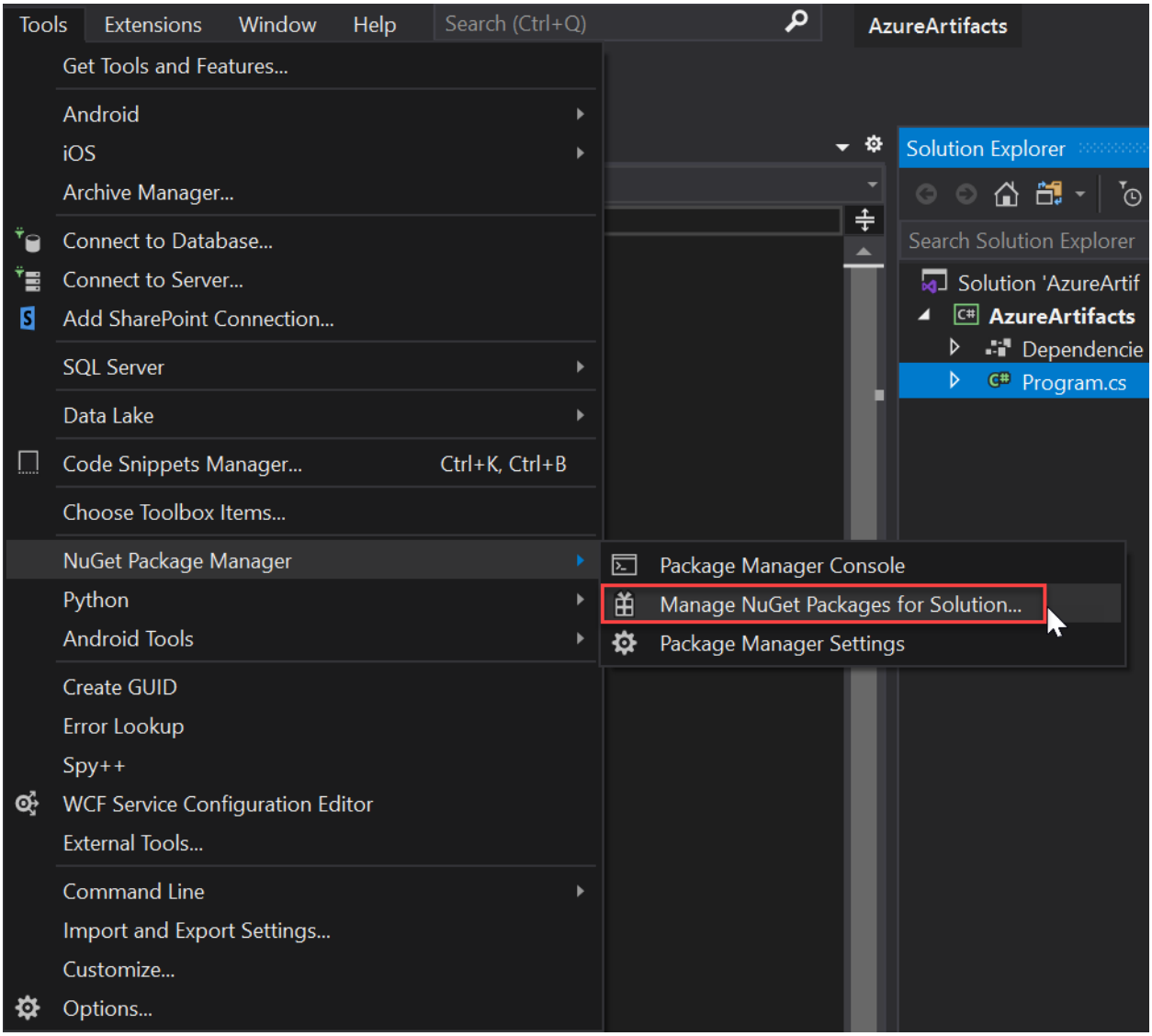

Pipeline
Build pipeline
Get sources
PartsUnlimited.Models
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
NuGet pack
NuGet
NuGet push
NuGet
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
NuGet
Link settings
View YAML
Task version
2.*
Display name *
NuGet push
Command *
push
Path to NuGet package(s) to publish *
$(Build.ArtifactStagingDirectory)/**/*.nupkg;!$(Build.ArtifactStagingDirectory)/**/*.symbols.nupkg
Target feed location *
This organization/collection
External NuGet server (including other accounts/collections)
Target feed *
PacktLearnDevOps
Allow duplicates to be skipped
Advanced
Control Options
Output Variables

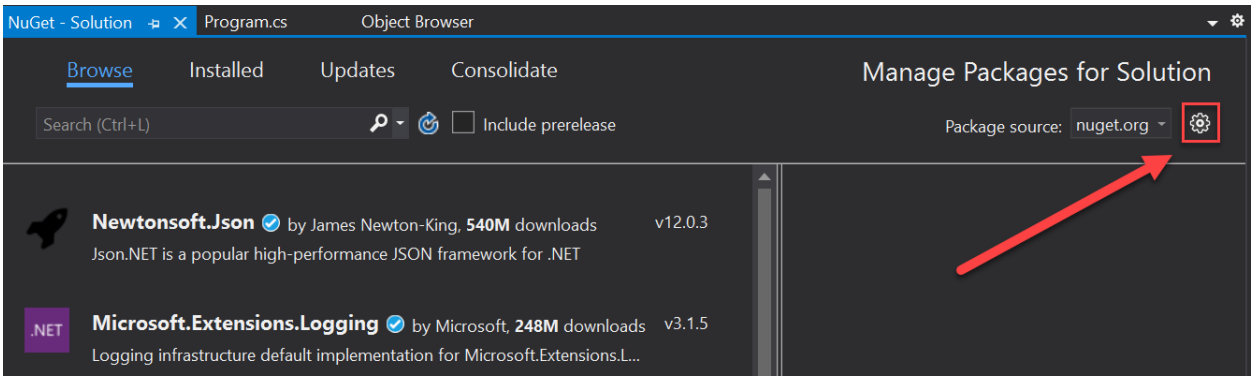

Parts.Unlimited
Overview
Boards
Repos
Pipelines
Test Plans
Artifacts
You can now search for packages across feeds. Try searching for a package in the search box. Learn more.
PacktLearnDev...
Create Feed
Connect to feed
Recycle Bin
Filter by keywords
View
Source
Package
Views
Source
Last pushed
Description
Downloads
PartsUnlimited.Models
Version 1.0.0-CI-20200628-08
This feed
3m ago
Description
0

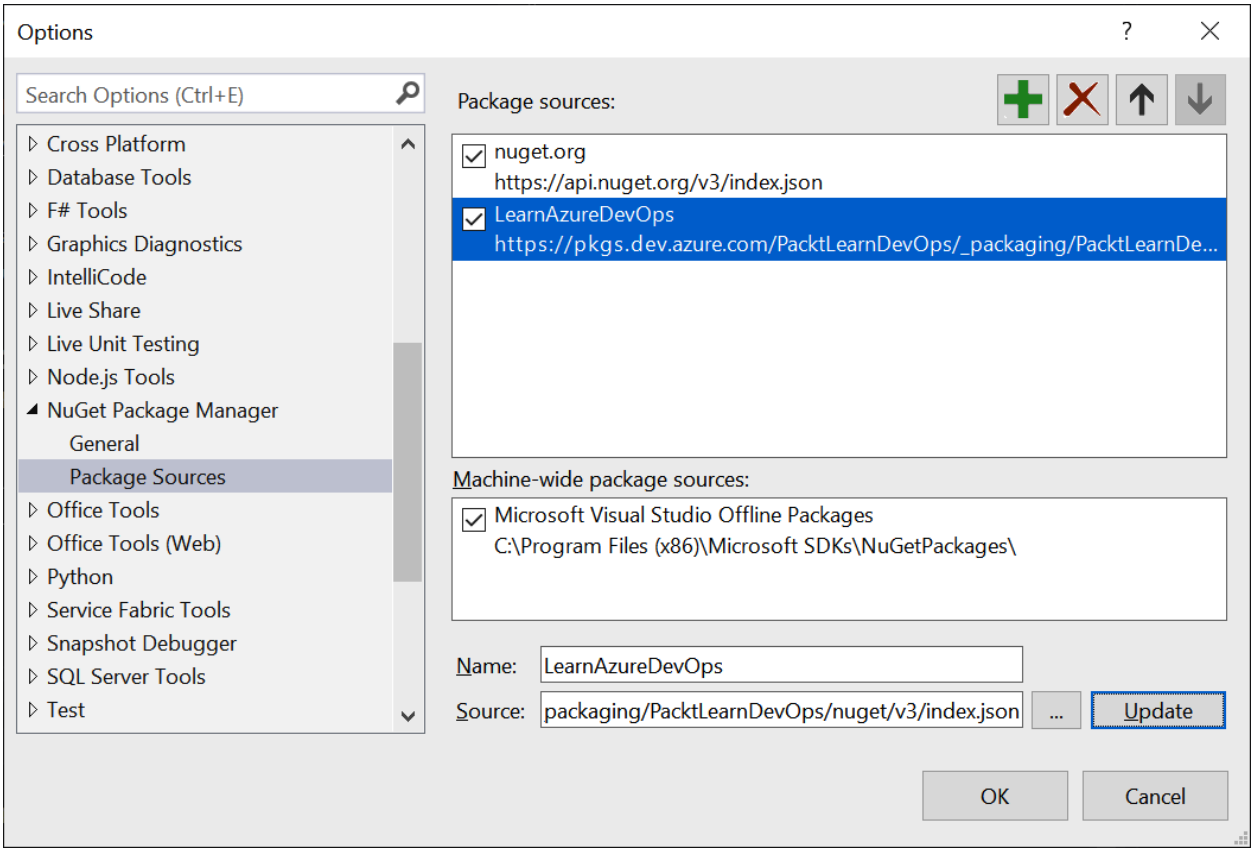

Configure your new project
Console App (.NET Core)
Console
C#
Linux
macOS
Windows
Project name
AzureArtifacts
Location
C:\Users\SjoukjeZaal\source\repos
...
Solution name
AzureArtifacts
Place solution and project in the same directory
Back
Create

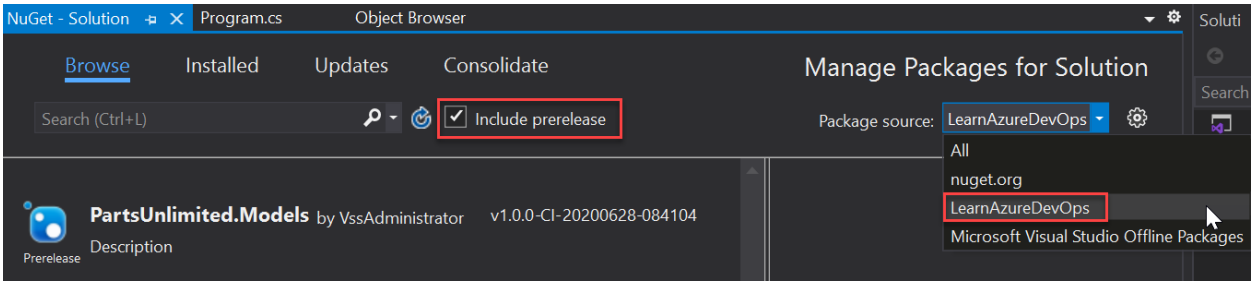

PacktLearnDev...
Create Feed
Connect to feed
Recycle Bin
Filter by keywords
View
Package
Views
Source
Last pushed
Description
PartsUnlimited.Models
Version 1.0.0-CI-20200628-08
This feed
Sunday
Description

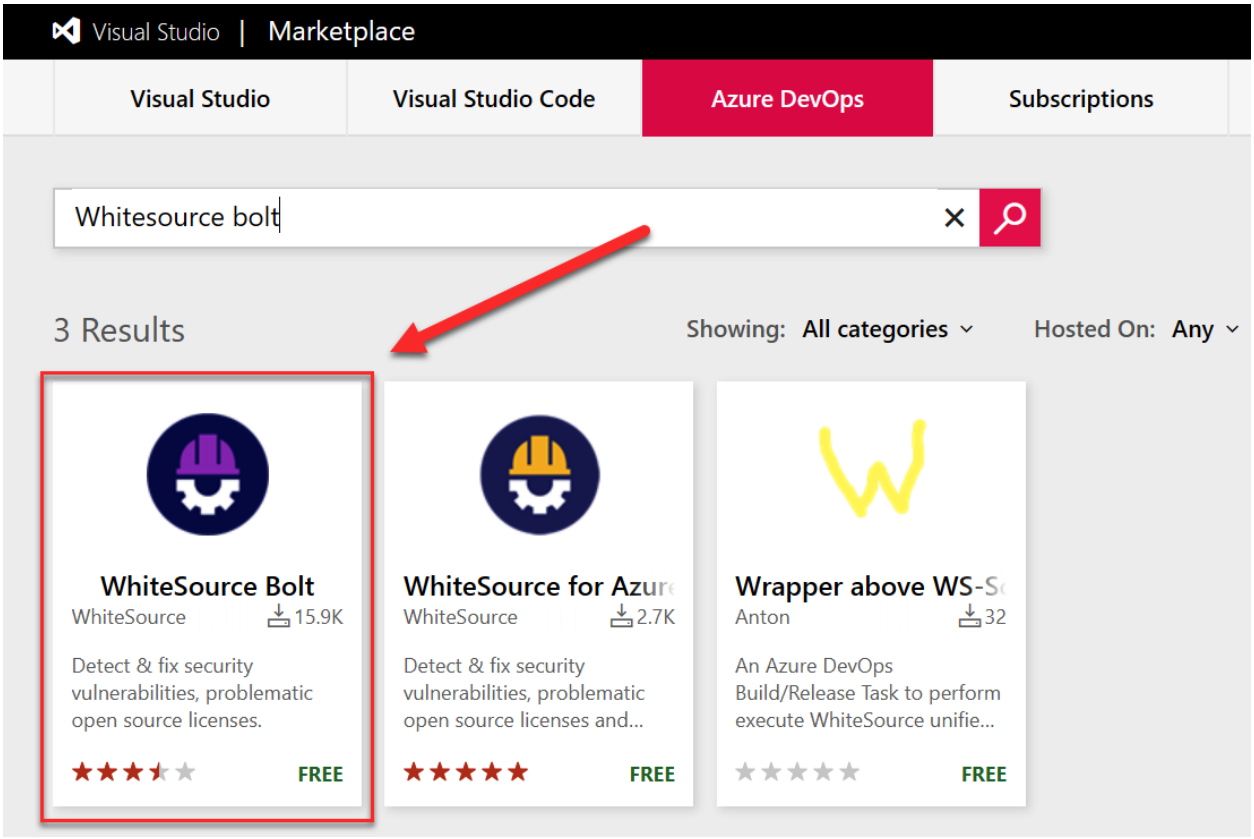

You can now search for packages across feeds. Try searching for a package in the search box. Learn more.
Connect to feed
PacktLearnDevOps
NuGet
dotnet
NuGet.exe
Visual Studio
npm
npm
Maven
Maven
Gradle
Python
pip
twine
Visual Studio
Learn about restoring packages
Get the tools
First time using Azure Artifacts with Visual Studio on this machine?
Get the tools
Machine setup
On the Tools menu, select Options > NuGet Package Manager > Package Sources. Select the green plus in the upper-right corner and enter the name and source URL below.
Name
PacktLearnDevOps
Source
https://pkgs.dev.azure.com/PacktLearnDevOps/_packaging/PacktLearnDevOps/nuget/v3/index.json
Note: You need to do this on every machine that needs access to your packages. Use the NuGet.exe instructions if you want to complete setup once and check it into your repository.
Restore packages
On the Tools menu, select Options > NuGet Package Manager > Package Manager Console. Find a package you want to use, copy the Package Manager command, and paste it in the Package Manager Console.
For example:
Install-Package NUnit

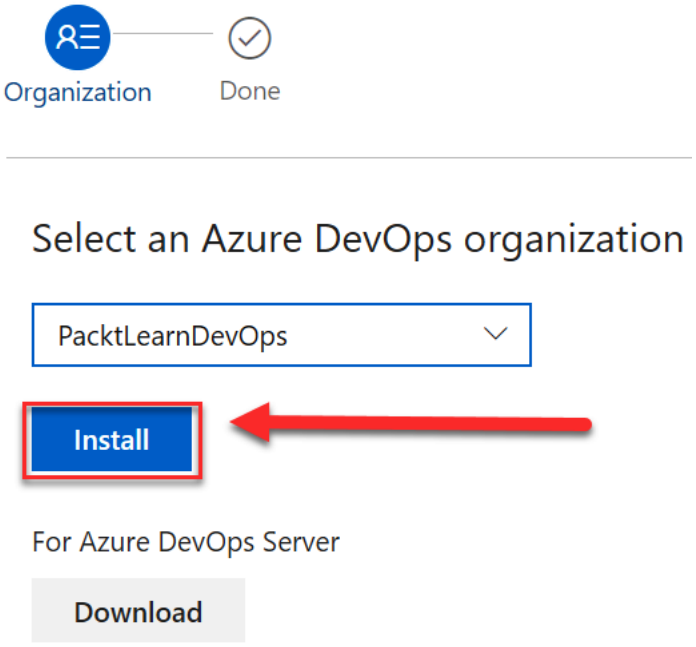

Tools
Extensions
Window
Help
Search (Ctrl+Q)
AzureArtifacts
Get Tools and Features...
Android
iOS
Archive Manager...
Connect to Database...
Connect to Server...
Add SharePoint Connection...
SQL Server
Data Lake
Code Snippets Manager... Ctrl+K, Ctrl+B
Choose Toolbox Items...
NuGet Package Manager
Python
Android Tools
Create GUID
Error Lookup
Spy++
WCF Service Configuration Editor
External Tools...
Command Line
Import and Export Settings...
Customize...
Options...
Package Manager Console
Manage NuGet Packages for Solution...
Package Manager Settings
Solution Explorer
Search Solution Explorer
Solution 'AzureArtif
AzureArtifacts
Dependencie
Program.cs

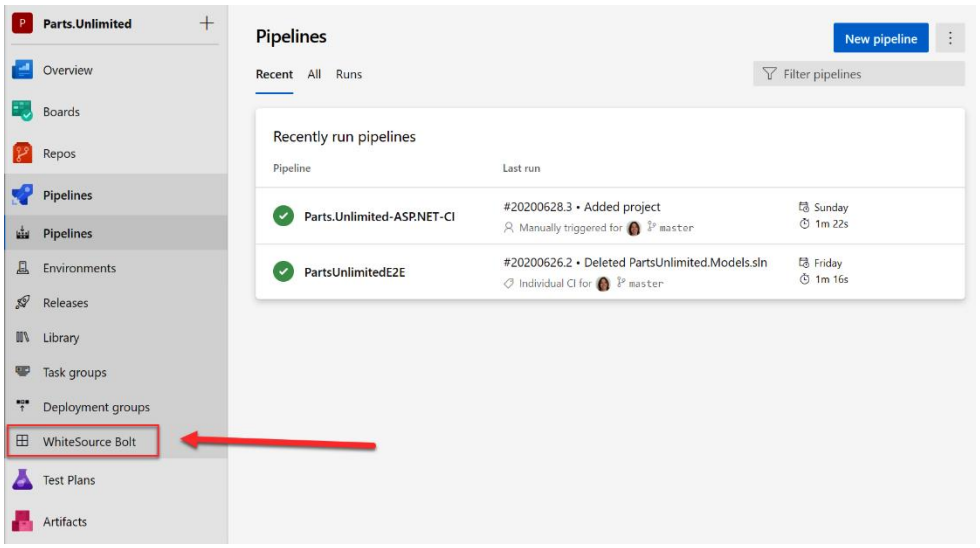

NuGet - Solution
Program.cs
Object Browser
Browse
Installed
Updates
Consolidate
Manage Packages for Solution
Search (Ctrl+L)
Include prerelease
Package source:
nuget.org
Newtonsoft.Json by James Newton-King, 540M downloads
v12.0.3
Json.NET is a popular high-performance JSON framework for .NET
Microsoft.Extensions.Logging by Microsoft, 248M downloads
v3.1.5
Logging infrastructure default implementation for Microsoft.Extensions.L...


Options
Search Options (Ctrl+E)
Cross Platform
Database Tools
F# Tools
Graphics Diagnostics
IntelliCode
Live Share
Live Unit Testing
Node.js Tools
NuGet Package Manager
General
Package Sources
Office Tools
Office Tools (Web)
Python
Service Fabric Tools
Snapshot Debugger
SQL Server Tools
Test
Package sources:
nuget.org
https://api.nuget.org/v3/index.json
LearnAzureDevOps
https://pkgs.dev.azure.com/PacktLearnDevOps/_packaging/PacktLearnDe...
Machine-wide package sources:
Microsoft Visual Studio Offline Packages
C:\Program Files (x86)\Microsoft SDKs\NuGetPackages\
Name:
LearnAzureDevOps
Source:
packaging/PacktLearnDevOps/nuget/v3/index.json
...
Update
OK
Cancel


NuGet - Solution
Program.cs
Object Browser
Browse
Installed
Updates
Consolidate
Manage Packages for Solution
Search (Ctrl+L)
Include prerelease
Package source:
LearnAzureDevOps
All
nuget.org
LearnAzureDevOps
Microsoft Visual Studio Offline Packages
PartsUnlimited.Models by VssAdministrator
v1.0.0-CI-20200628-084104
Description
Prerelease


Visual Studio | Marketplace
Visual Studio
Visual Studio Code
Azure DevOps
Subscriptions
Whitesource bolt
3 Results
Showing: All categories
Hosted On: Any
WhiteSource Bolt
WhiteSource
15.9K
Detect & fix security vulnerabilities, problematic open source licenses.
FREE
WhiteSource for Azur
WhiteSource
2.7K
Detect & fix security vulnerabilities, problematic open source licenses and...
FREE
Wrapper above WS-S
Anton
32
An Azure DevOps Build/Release Task to perform execute WhiteSource unifie...
FREE


Organization
Done
Select an Azure DevOps organization
PacktLearnDevOps
Install
For Azure DevOps Server
Download



You're almost there...

FAQ | Documentation | Contact Support

The Full WhiteSource Solution

Want to get alerts on vulnerable open source components, outdated libraries and license compliance issues in your project? Complete this form and let's roll!

Work Email *

sjoukje.zaal@

Company Name

LearnDevOps

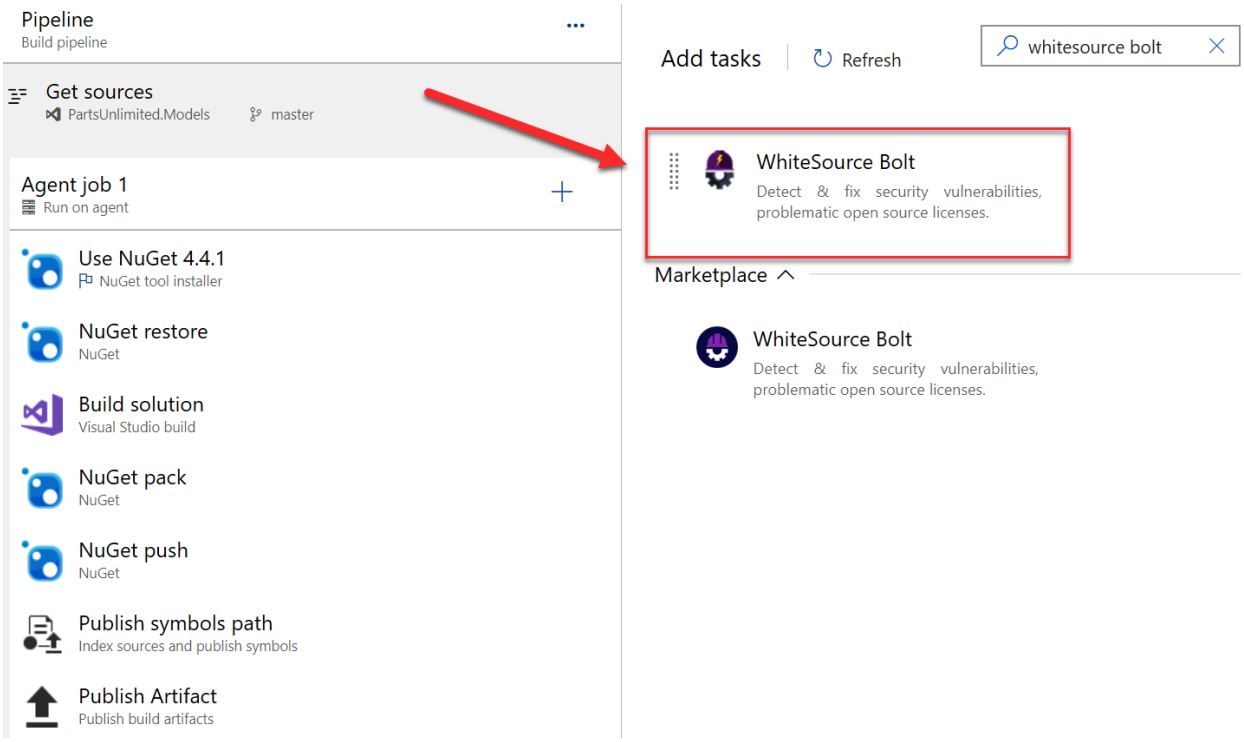
If you are a freelance developer, enter 'Self Employed'

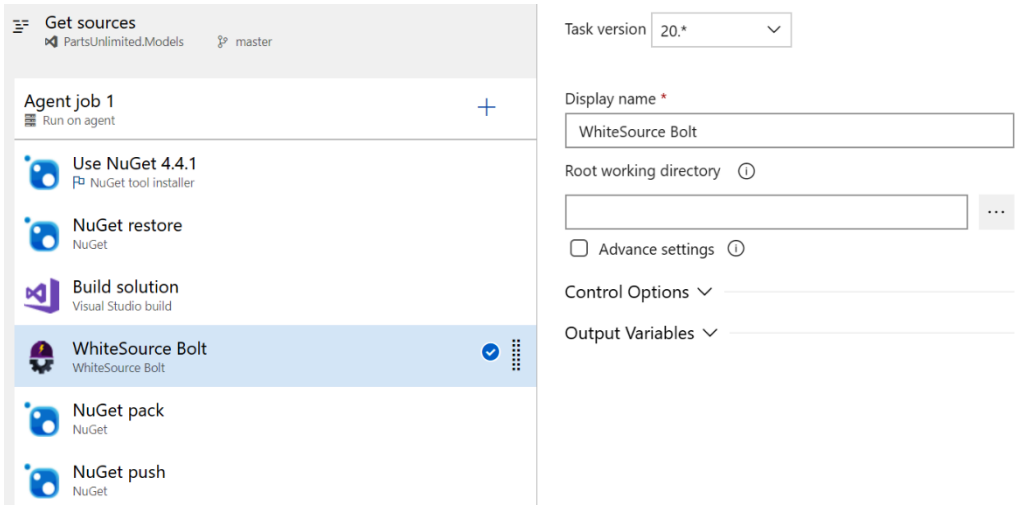
Country *

United States

If you have a Benefits Code, please email boltazure@whitesourcesoftware.com with your code and work email so that we can activate your benefit.

Get Started


Pipeline
Build pipeline
Get sources
PartsUnlimited.Models
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
NuGet pack
NuGet
NuGet push
NuGet
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
Add tasks
Refresh
whitesource bolt
WhiteSource Bolt
Detect & fix security vulnerabilities, problematic open source licenses.
Marketplace
WhiteSource Bolt
Detect & fix security vulnerabilities, problematic open source licenses.


Get sources
PartsUnlimited.Models
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
WhiteSource Bolt
WhiteSource Bolt
NuGet pack
NuGet
NuGet push
NuGet
Task version
20.*
Display name *
WhiteSource Bolt
Root working directory
Advance settings
Control Options
Output Variables

#20200630.1 Added project

on Parts.Unlimited-ASP.NET-CI Retained

Run new

Summary | Code Coverage | WhiteSource Bolt Build Report

FAQ | Documentation | Contact Support

Security

Vulnerability Score

SECURE

Vulnerable Libraries

53
No Known Vulnerabilities

0
Vulnerable
(0 Outdated)

Severity Distribution

High0

Med0

Low 0

0 Vulnerable Libraries

Aging Vulnerable Libraries

0	0	0
> 90 Days	< 90 Days	< 30 Days

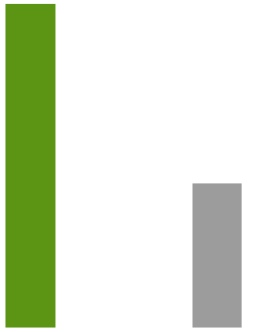
No security vulnerabilities found

License Risks and Compliance

License Distribution (6)

License	Risk Level	Occurrences
Apache 2.0	Low	21
MIT	Low	15
Microsoft .NET Library	Unknown	10
Suspected MIT	Unknown	4
Microsoft ASP.NET MVC 3 Tools Update	Unknown	1
Microsoft ASP.NET Web Pages 2	Unknown	1

License Risk Distribution

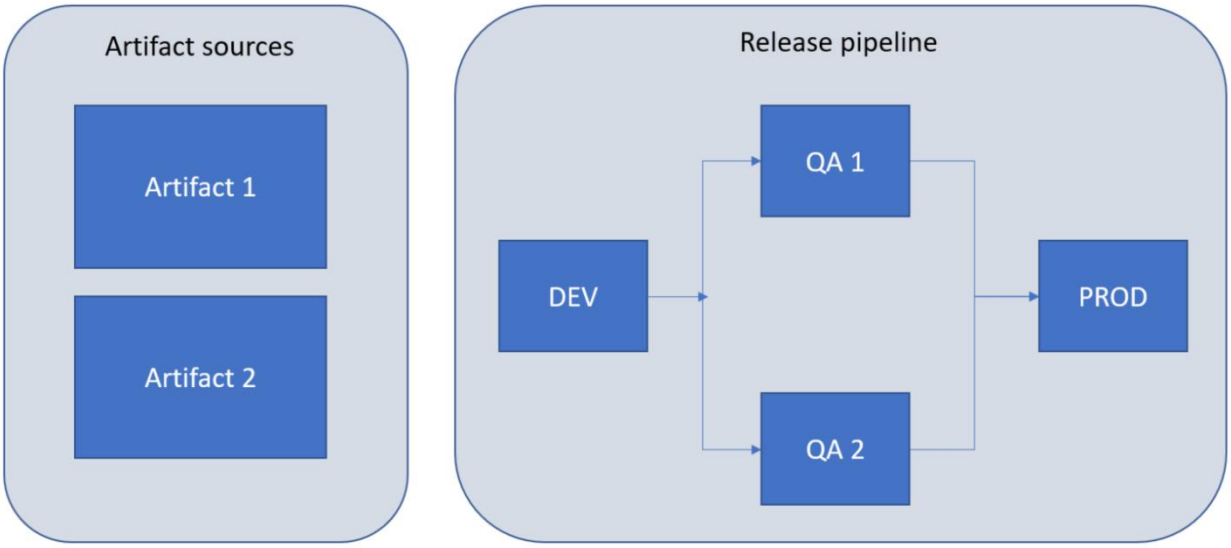


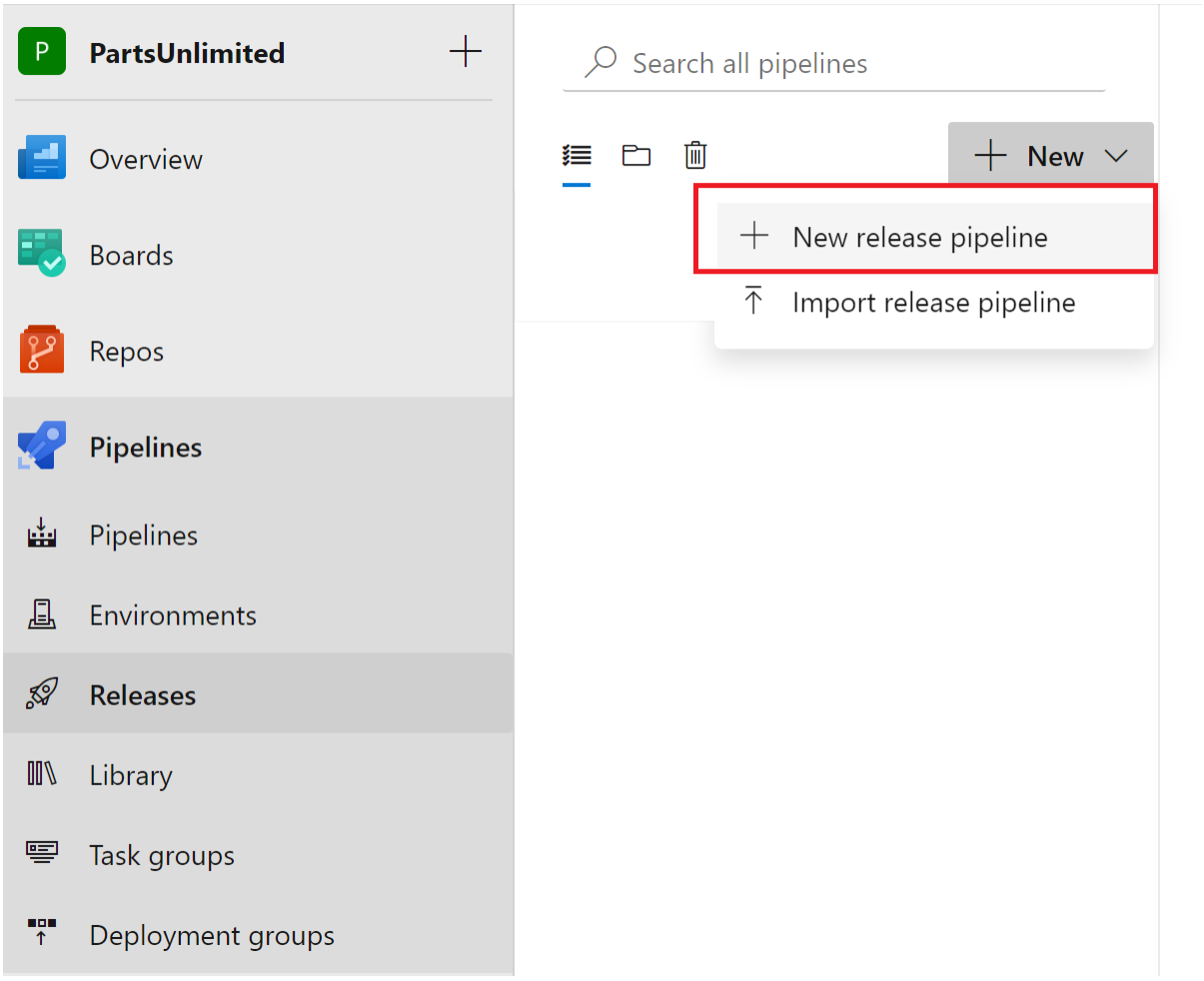
36	0	0	16
Low	Med	High	Unknown

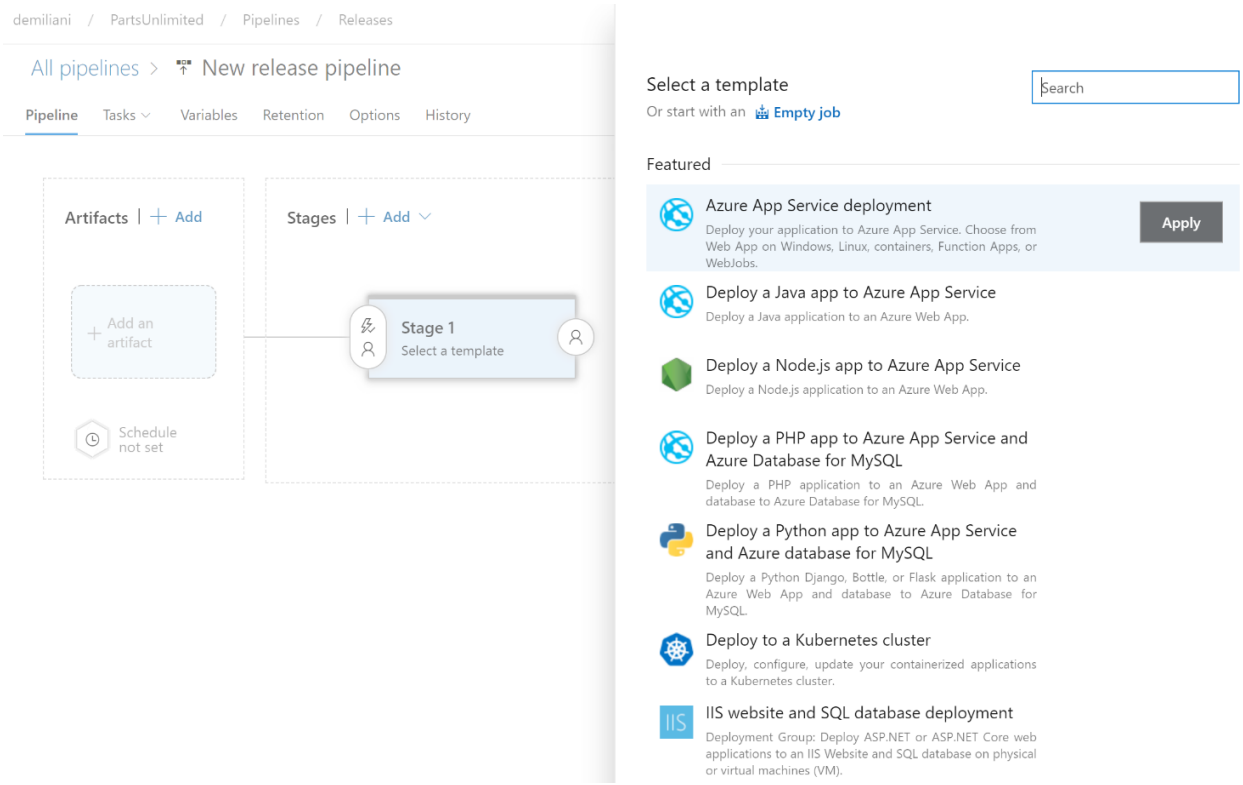
Outdated Libraries (22) show

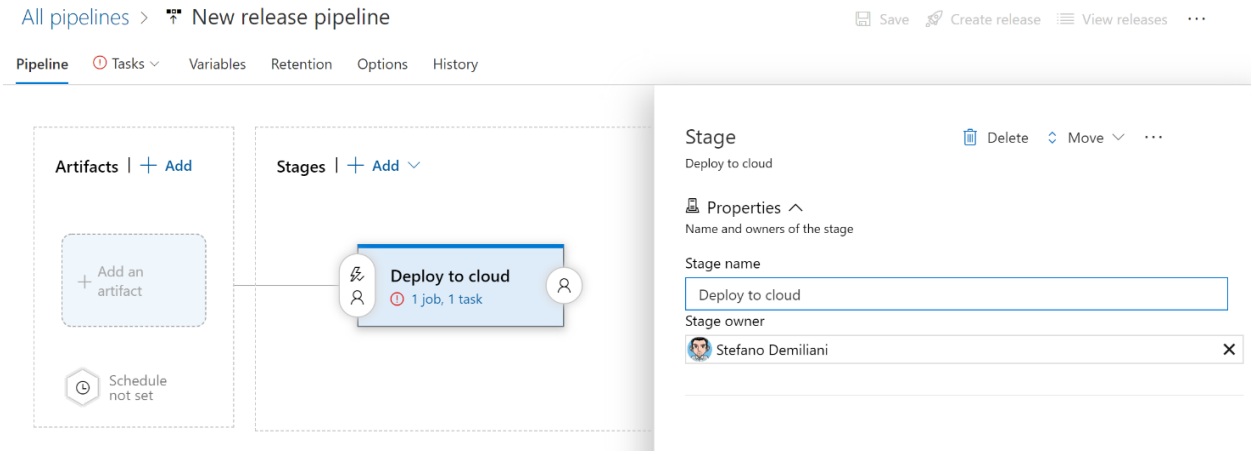
Inventory (53) show

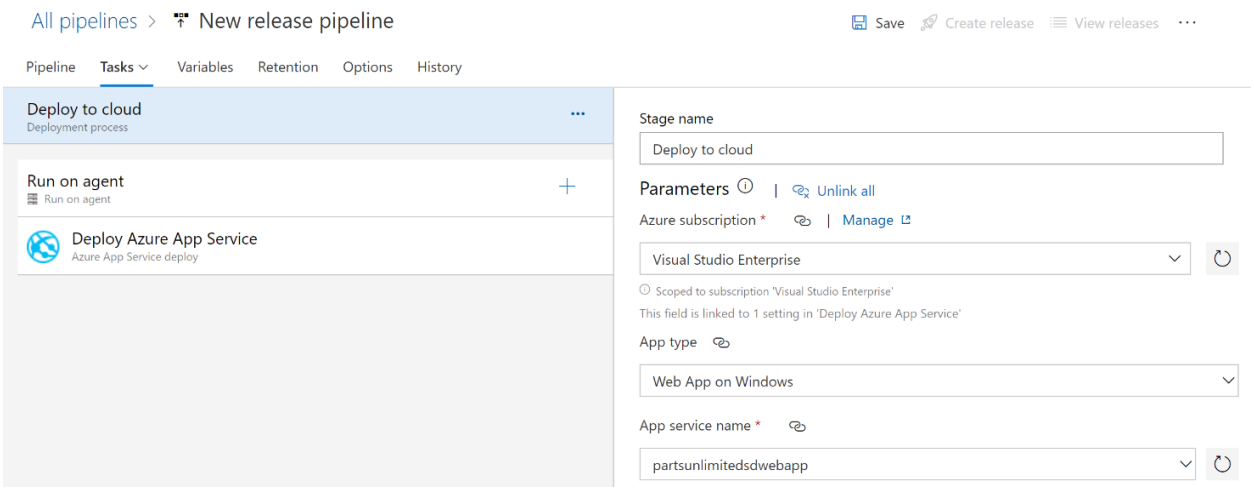
Chapter 8: Deploying Applications with Azure DevOps

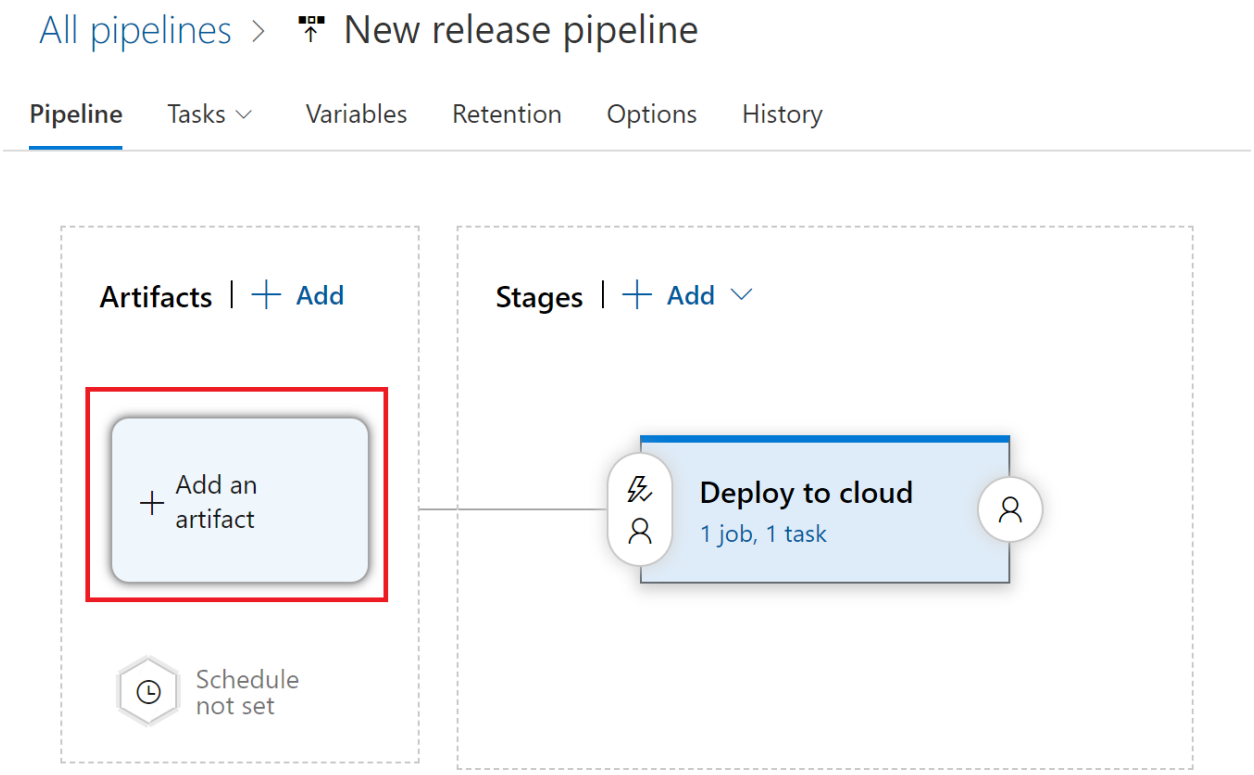


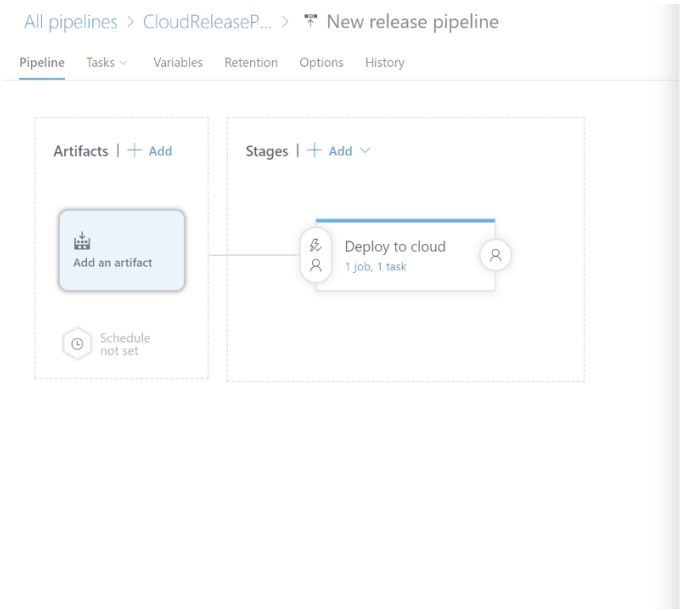


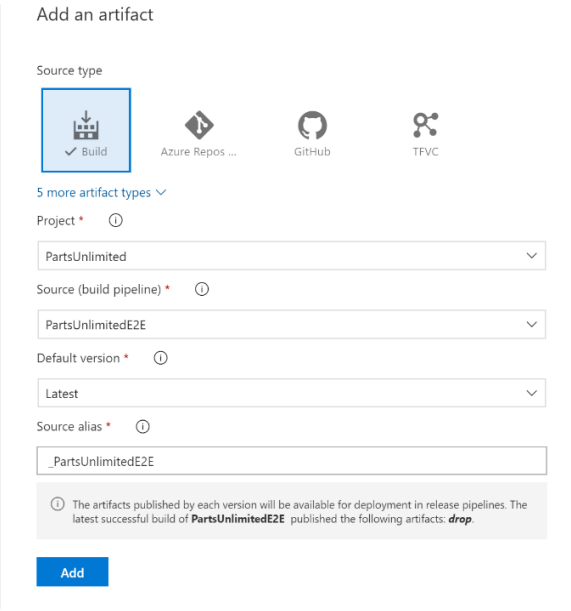

demiliani / PartsUnlimited / Pipelines / Releases
All pipelines > New release pipeline
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
Add an artifact
Schedule not set
Stages | Add
Stage 1
Select a template
Select a template
Or start with an Empty job
Search
Featured
Azure App Service deployment
Deploy your application to Azure App Service. Choose from Web App on Windows, Linux, containers, Function Apps, or WebJobs.
Apply
Deploy a Java app to Azure App Service
Deploy a Java application to an Azure Web App.
Deploy a Node.js app to Azure App Service
Deploy a Node.js application to an Azure Web App.
Deploy a PHP app to Azure App Service and Azure Database for MySQL
Deploy a PHP application to an Azure Web App and database to Azure Database for MySQL.
Deploy a Python app to Azure App Service and Azure database for MySQL
Deploy a Python Django, Bottle, or Flask application to an Azure Web App and database to Azure Database for MySQL.
Deploy to a Kubernetes cluster
Deploy, configure, update your containerized applications to a Kubernetes cluster.
IIS website and SQL database deployment
Deployment Group: Deploy ASP.NET or ASP.NET Core web applications to an IIS Website and SQL database on physical or virtual machines (VM).

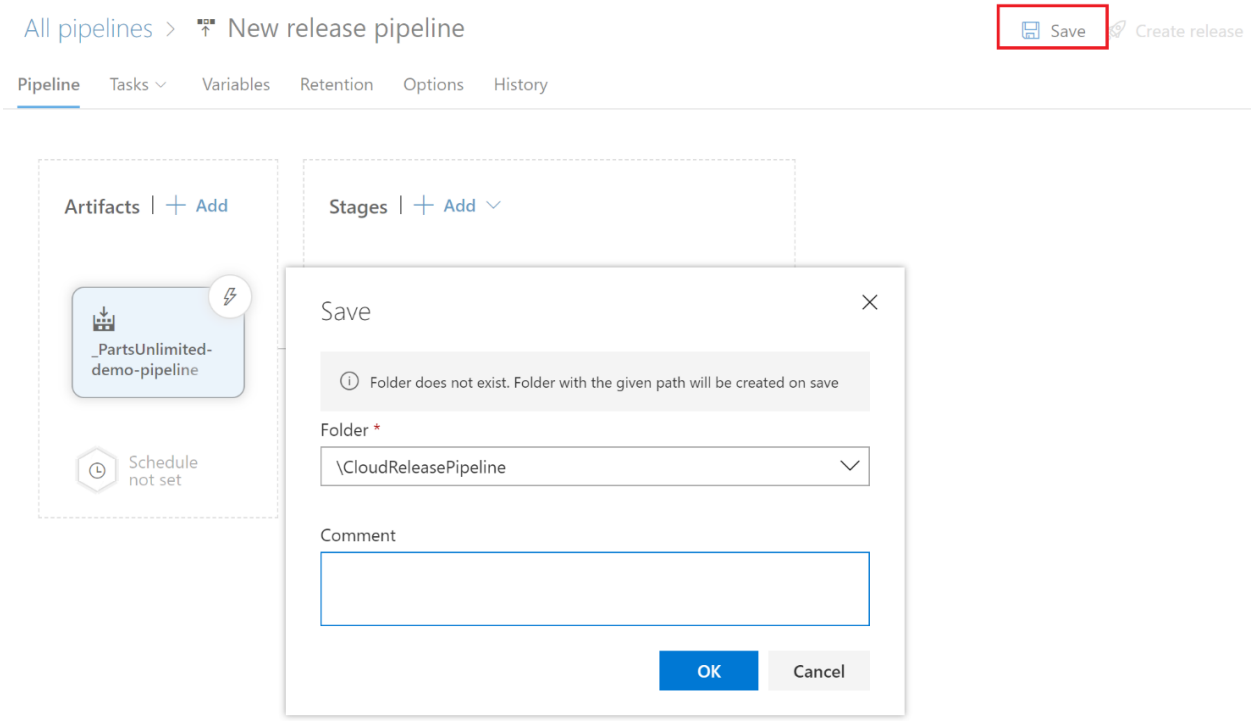

All pipelines > New release pipeline
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
Add an artifact
Schedule not set
Stages | Add
Deploy to cloud
1 job, 1 task
Stage
Deploy to cloud
Delete
Move
Properties
Name and owners of the stage
Stage name
Deploy to cloud
Stage owner
Stefano Demiliani

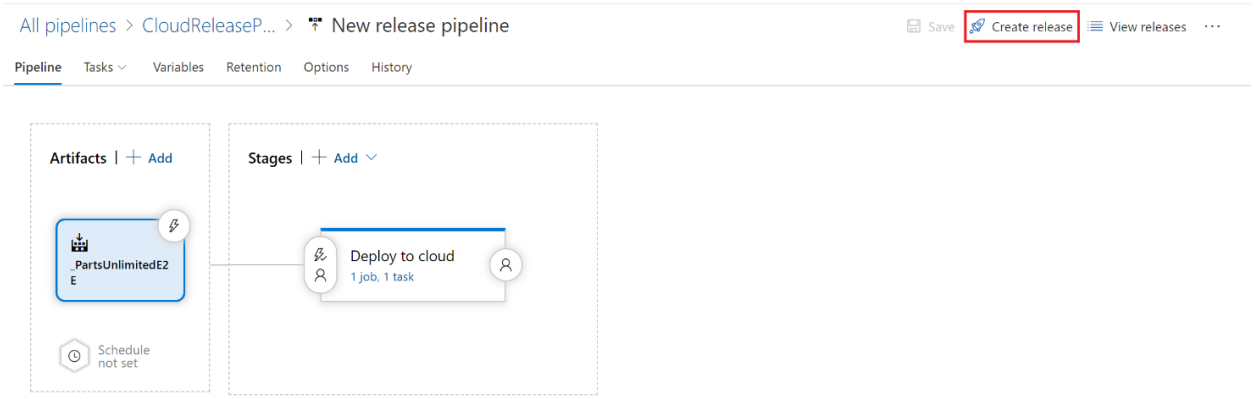

All pipelines
New release pipeline
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
Deploy to cloud
Deployment process
Run on agent
Run on agent
Deploy Azure App Service
Azure App Service deploy
Stage name
Deploy to cloud
Parameters
Unlink all
Azure subscription *
Manage
Visual Studio Enterprise
Scoped to subscription 'Visual Studio Enterprise'
This field is linked to 1 setting in 'Deploy Azure App Service'
App type
Web App on Windows
App service name *
partsunlimitedsdwebapp

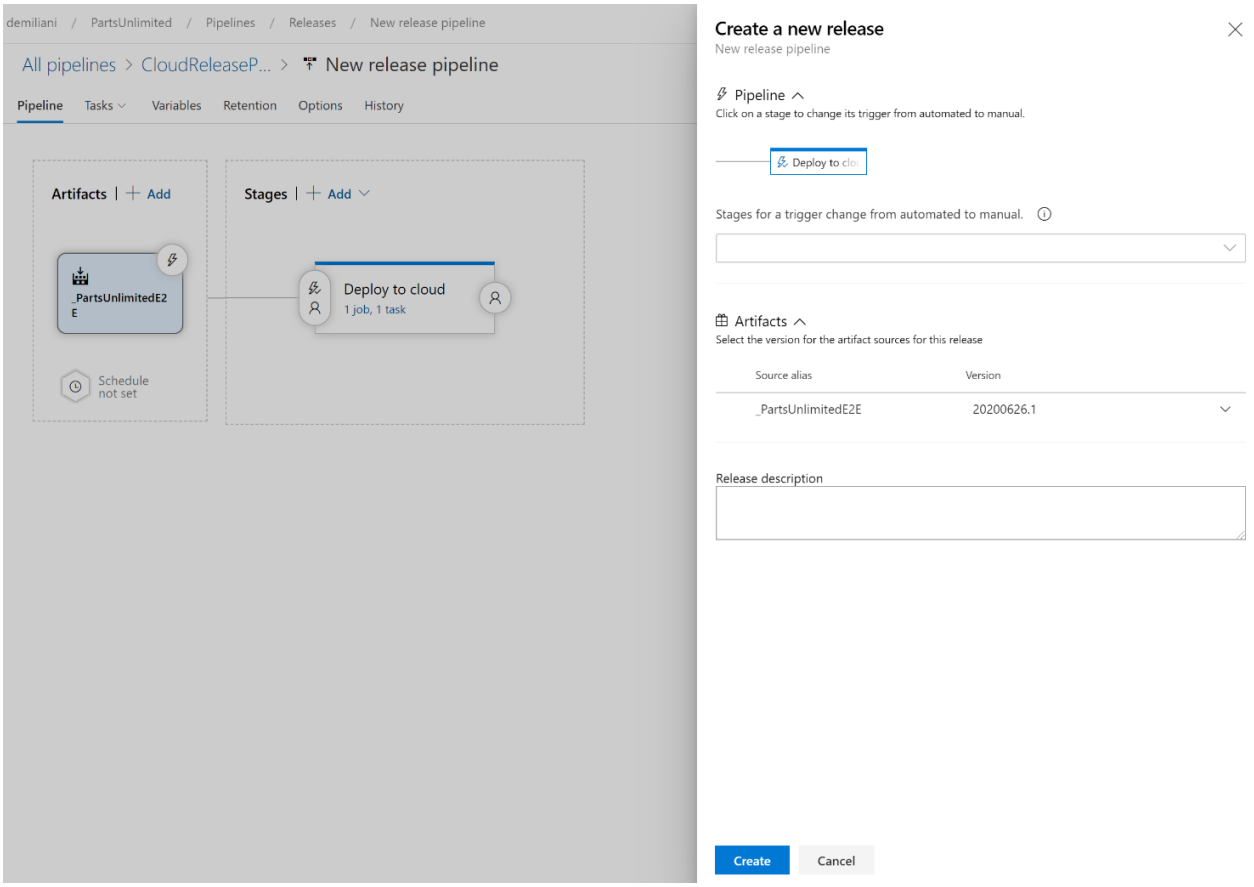

All pipelines
New release pipeline
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts
Add
Add an artifact
Schedule not set
Stages
Add
Deploy to cloud
1 job, 1 task

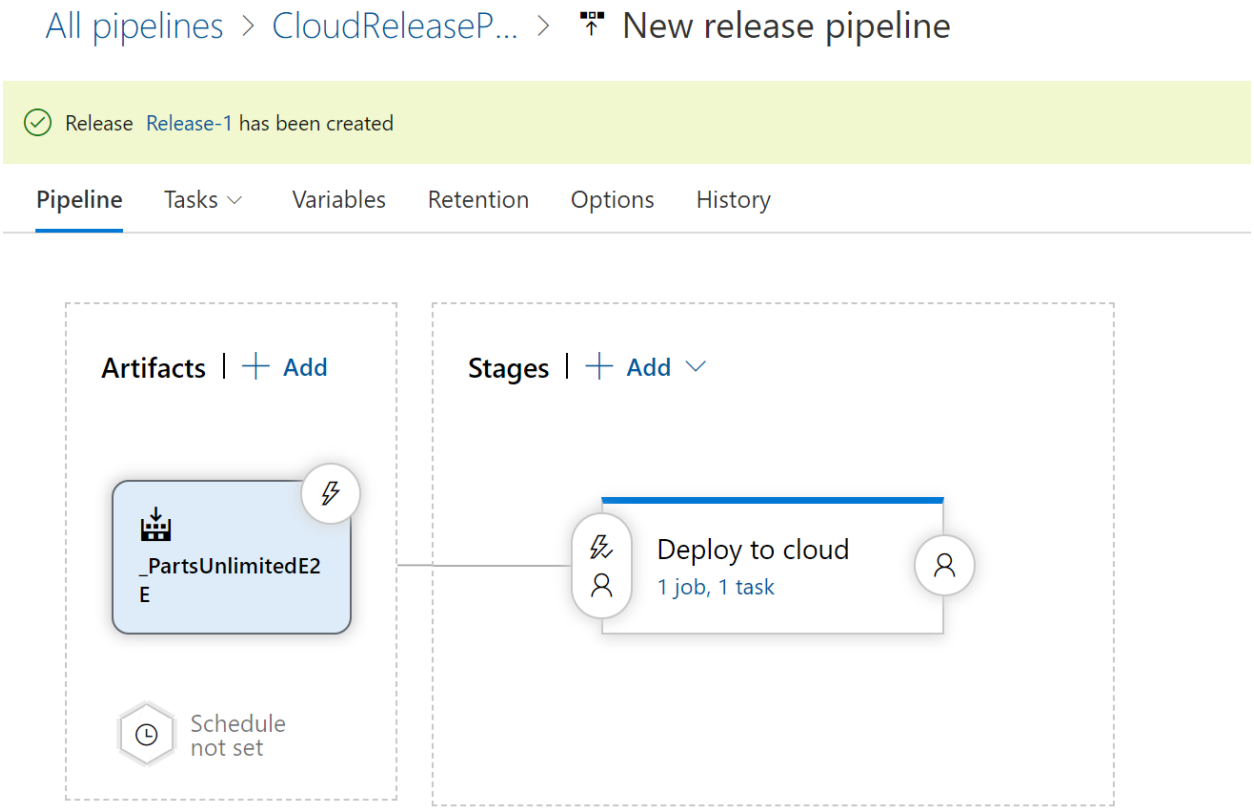

All pipelines > CloudReleaseP... > New release pipeline
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | + Add
Stages | + Add
Add an artifact
Deploy to cloud
1 job, 1 task
Schedule not set

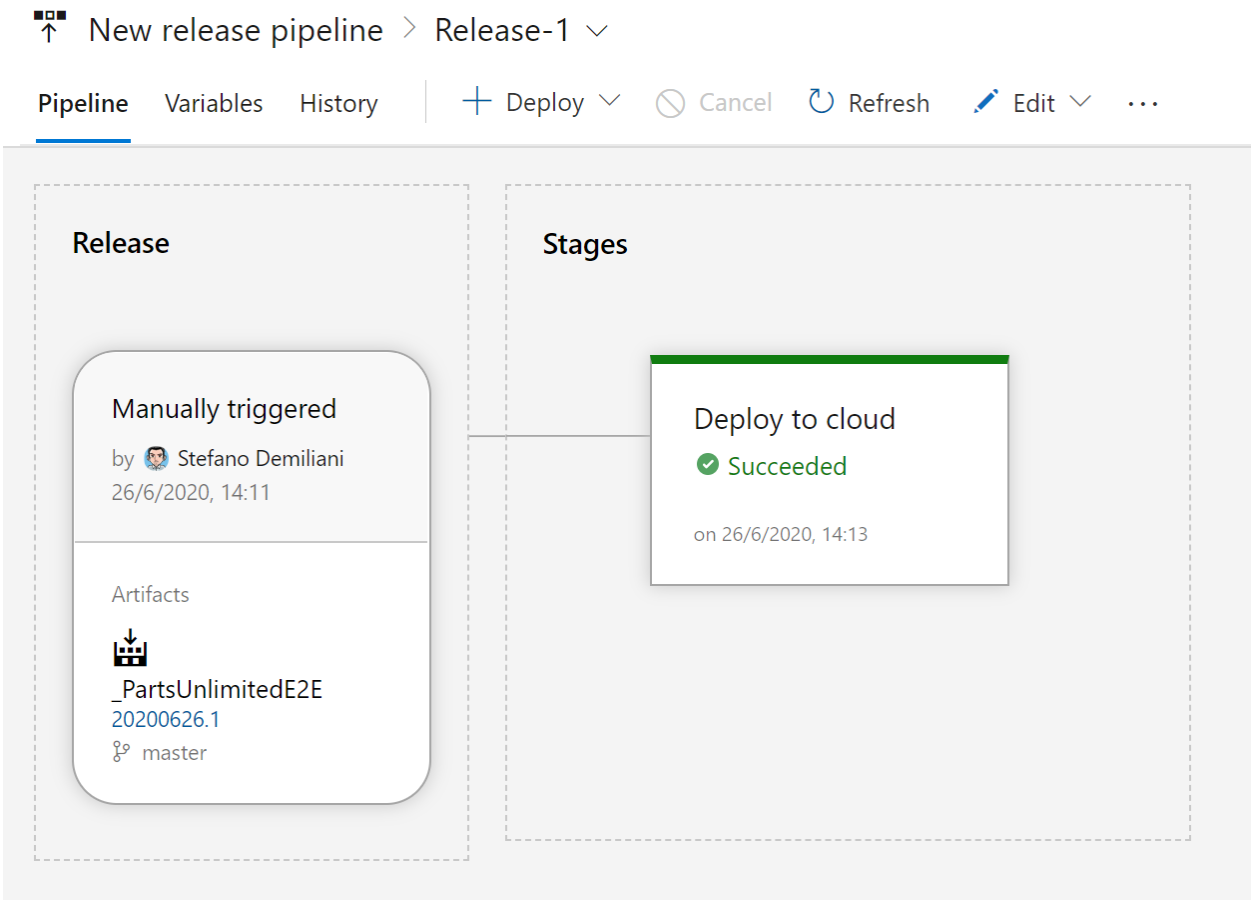

Add an artifact
Source type
Build
Azure Repos ...
GitHub
TFVC
5 more artifact types
Project *
PartsUnlimited
Source (build pipeline) *
PartsUnlimitedE2E
Default version *
Latest
Source alias *
_PartsUnlimitedE2E
The artifacts published by each version will be available for deployment in release pipelines. The latest successful build of PartsUnlimitedE2E published the following artifacts: drop.
Add

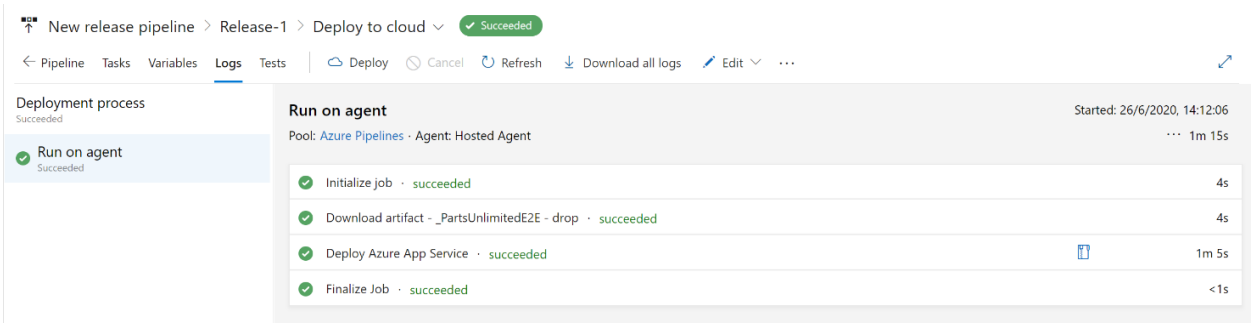

All pipelines > New release pipeline
Save
Create release
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | + Add
Stages | + Add
_PartsUnlimited-demo-pipeline
Schedule not set
Save
Folder does not exist. Folder with the given path will be created on save
Folder *
\CloudReleasePipeline
Comment
OK
Cancel

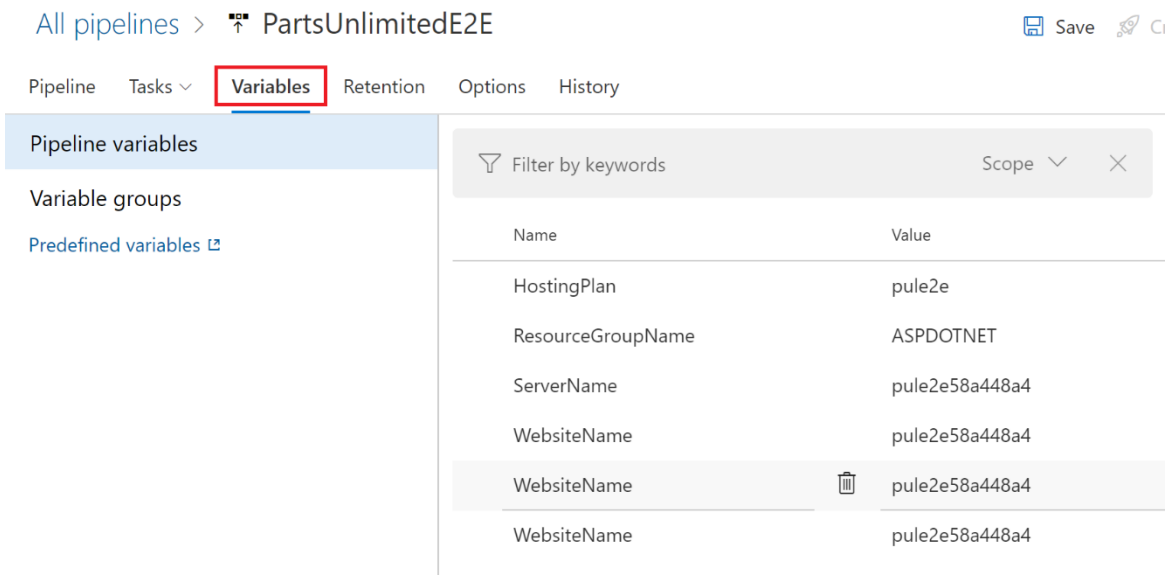

All pipelines > CloudReleaseP... > New release pipeline
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
Stages | Add
_PartsUnlimitedE2E
Schedule not set
Deploy to cloud
1 job, 1 task

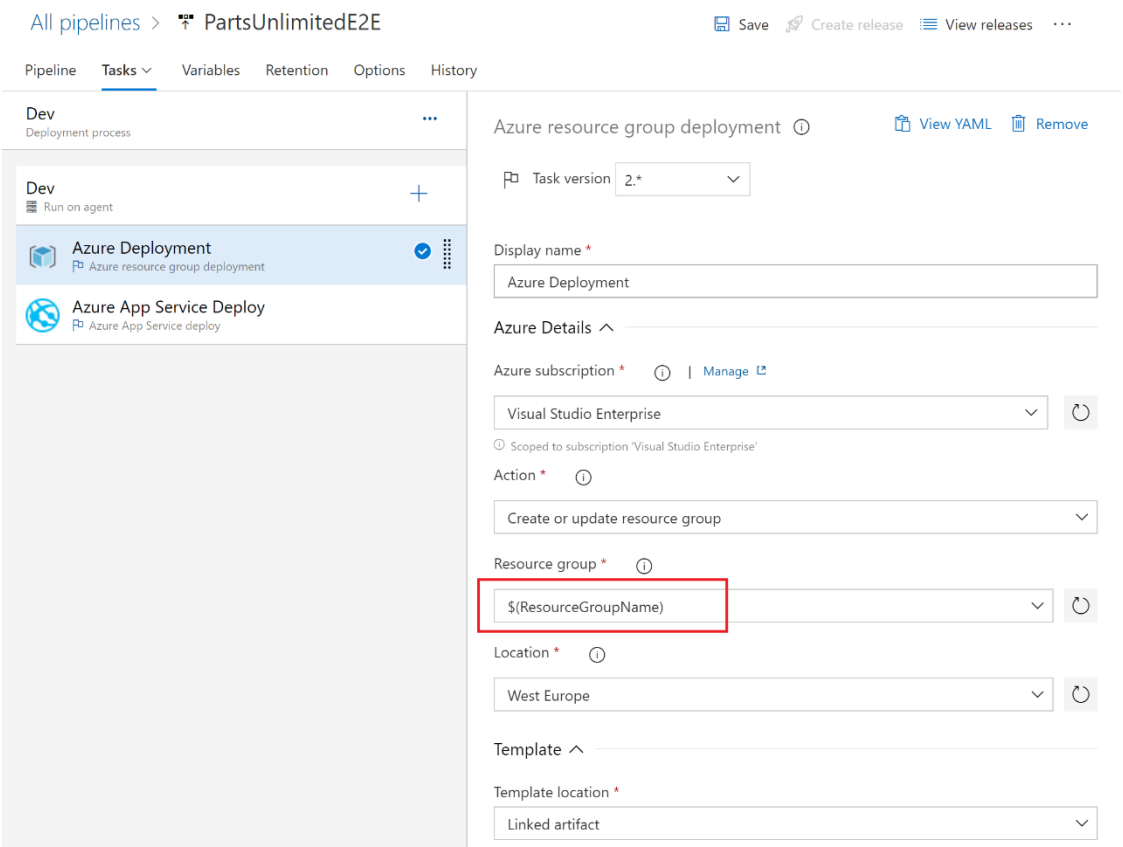

demiliani / PartsUnlimited / Pipelines / Releases / New release pipeline
All pipelines > CloudReleaseP... > New release pipeline
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
Stages | Add
_PartsUnlimitedE2E
Schedule not set
Deploy to cloud
1 job, 1 task
Create a new release
New release pipeline
Pipeline
Click on a stage to change its trigger from automated to manual.
Deploy to clo
Stages for a trigger change from automated to manual.
Artifacts
Select the version for the artifact sources for this release
Source alias
Version
_PartsUnlimitedE2E
20200626.1
Release description
Create
Cancel

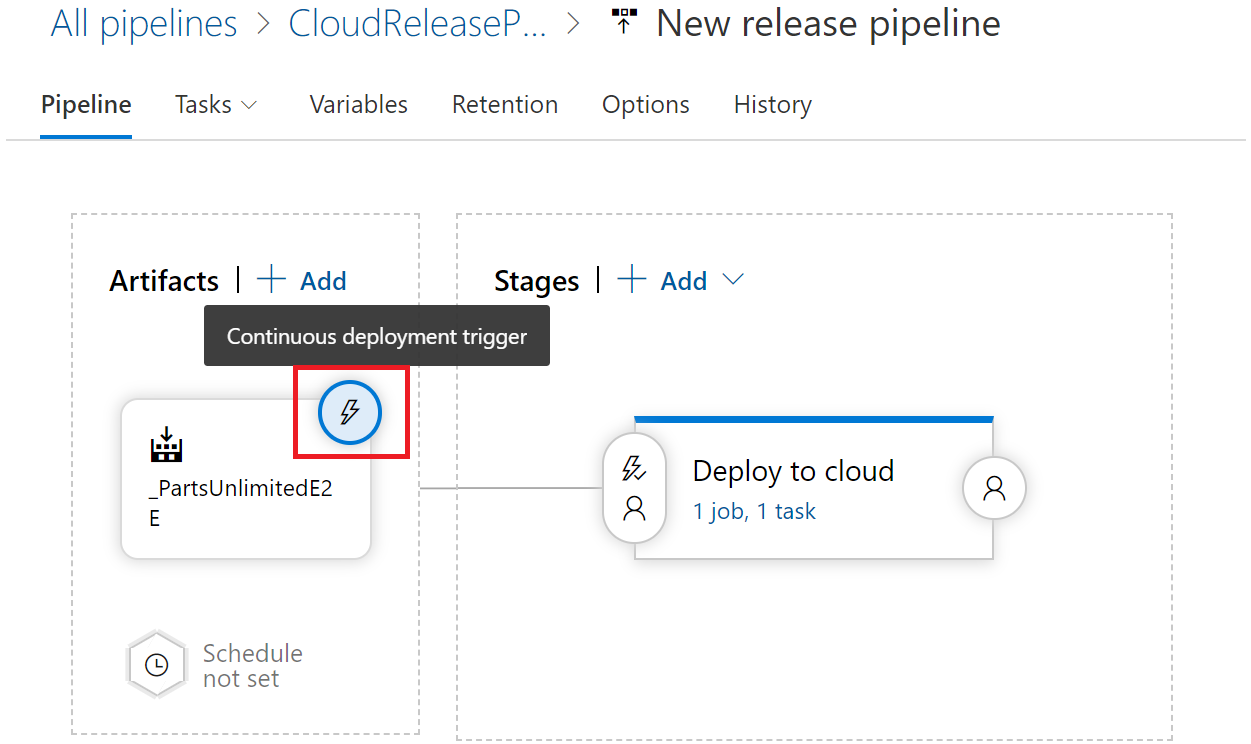

All pipelines > CloudReleaseP... > New release pipeline
Release Release-1 has been created
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
_PartsUnlimitedE2E
Schedule not set
Stages | Add
Deploy to cloud
1 job, 1 task

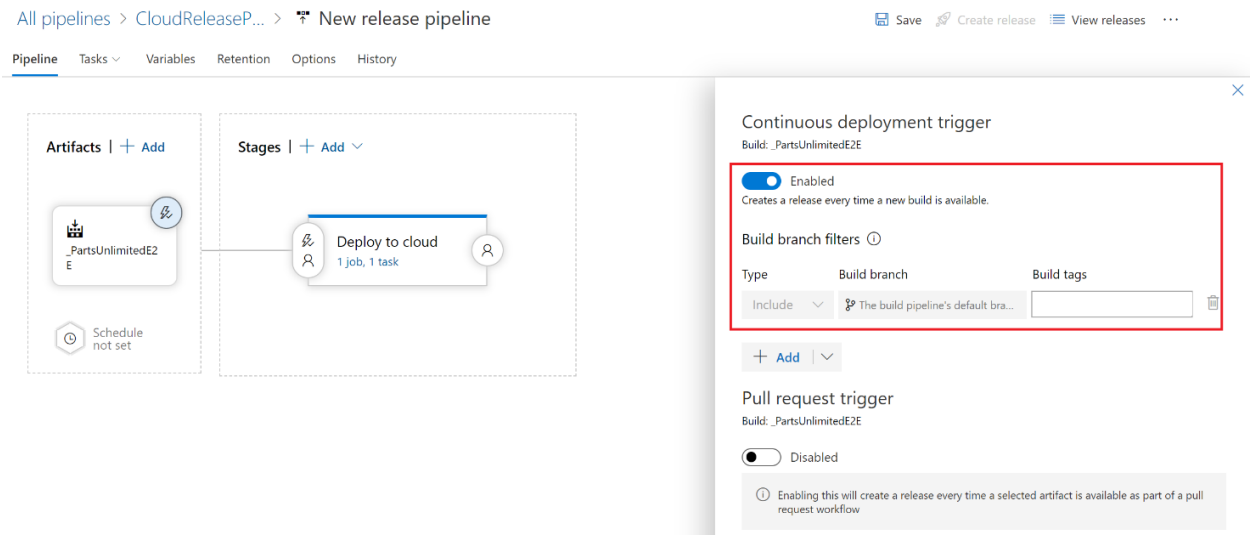

New release pipeline
Release-1
Pipeline
Variables
History
Deploy
Cancel
Refresh
Edit
Release
Stages
Manually triggered
by Stefano Demiliani
26/6/2020, 14:11
Artifacts
_PartsUnlimitedE2E
20200626.1
master
Deploy to cloud
Succeeded
on 26/6/2020, 14:13

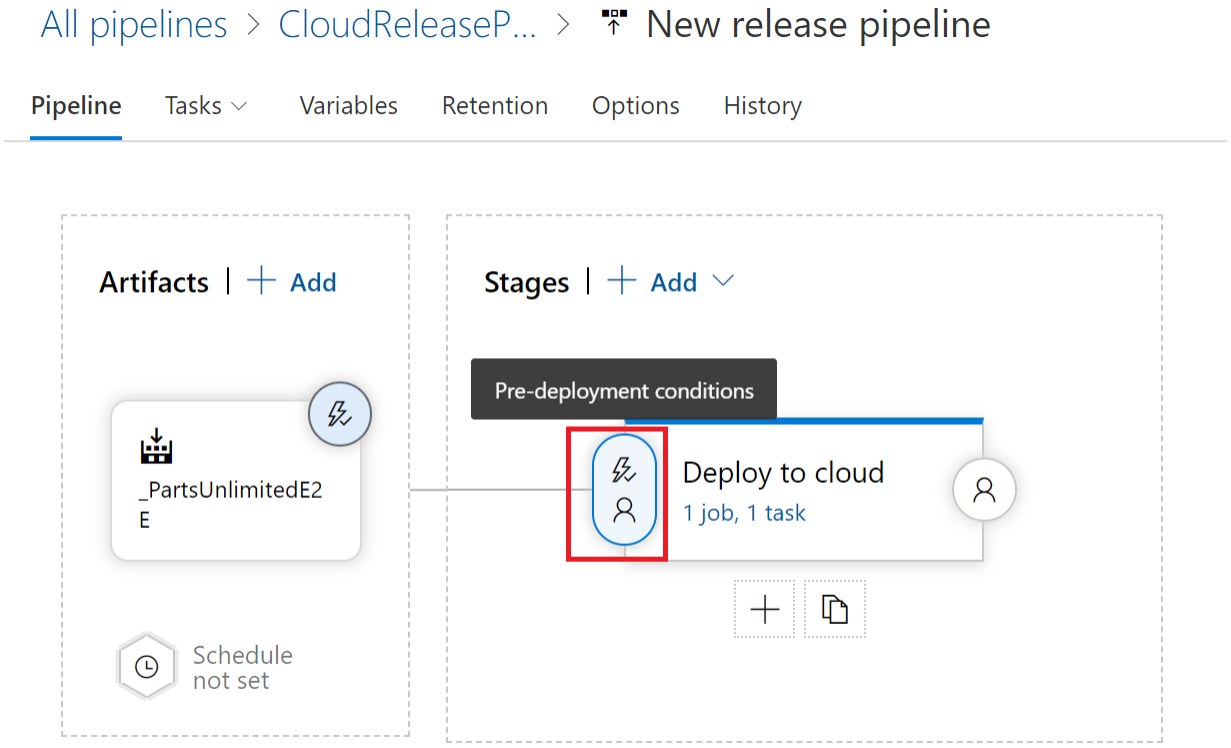

New release pipeline
Release-1
Deploy to cloud
Succeeded
Pipeline
Tasks
Variables
Logs
Tests
Deploy
Cancel
Refresh
Download all logs
Edit
Deployment process
Succeeded
Run on agent
Succeeded
Run on agent
Started: 26/6/2020, 14:12:06
Pool: Azure Pipelines · Agent: Hosted Agent
1m 15s
Initialize job · succeeded 4s
Download artifact - _PartsUnlimitedE2E - drop · succeeded 4s
Deploy Azure App Service · succeeded 1m 5s
Finalize Job · succeeded <1s

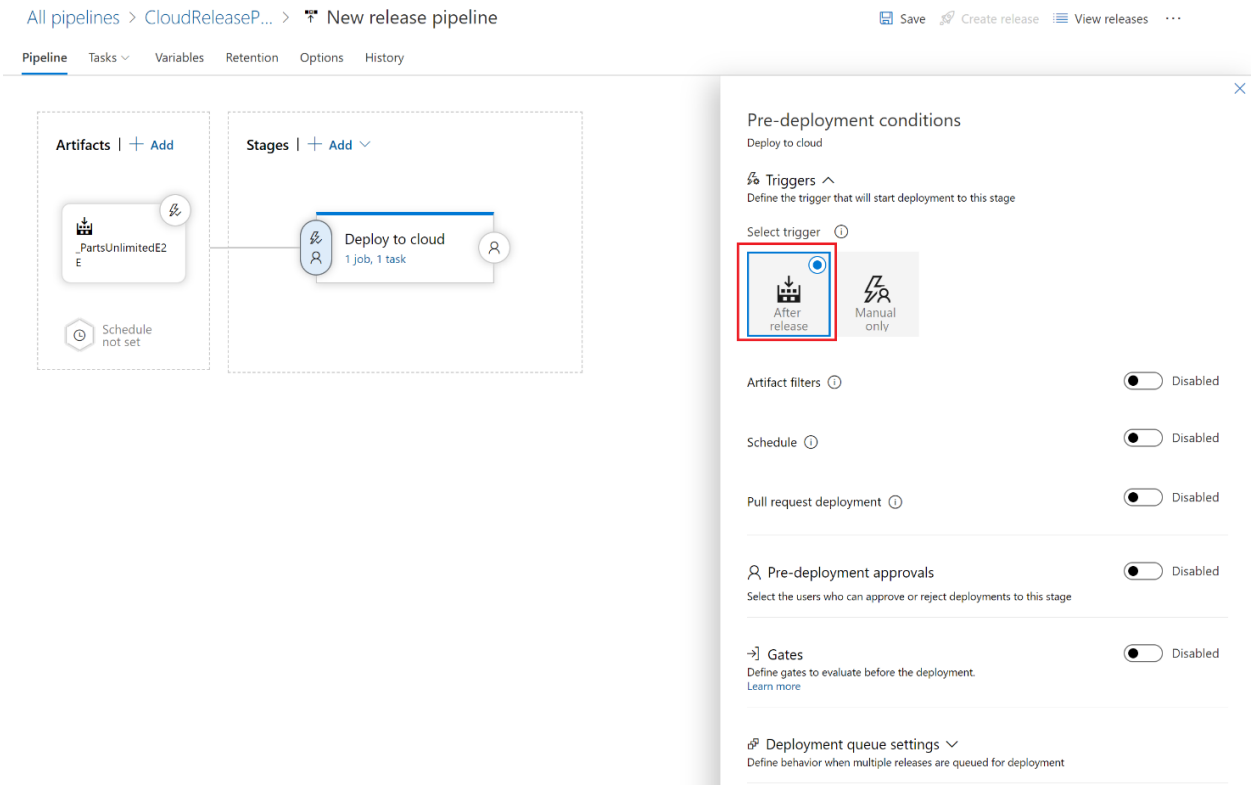

All pipelines
PartsUnlimitedE2E
Save
Pipeline
Tasks
Variables
Retention
Options
History
Pipeline variables
Variable groups
Predefined variables
Filter by keywords
Scope
Name
Value
HostingPlan
pule2e
ResourceGroupName
ASPDOTNET
ServerName
pule2e58a448a4
WebsiteName
pule2e58a448a4
WebsiteName
pule2e58a448a4
WebsiteName
pule2e58a448a4

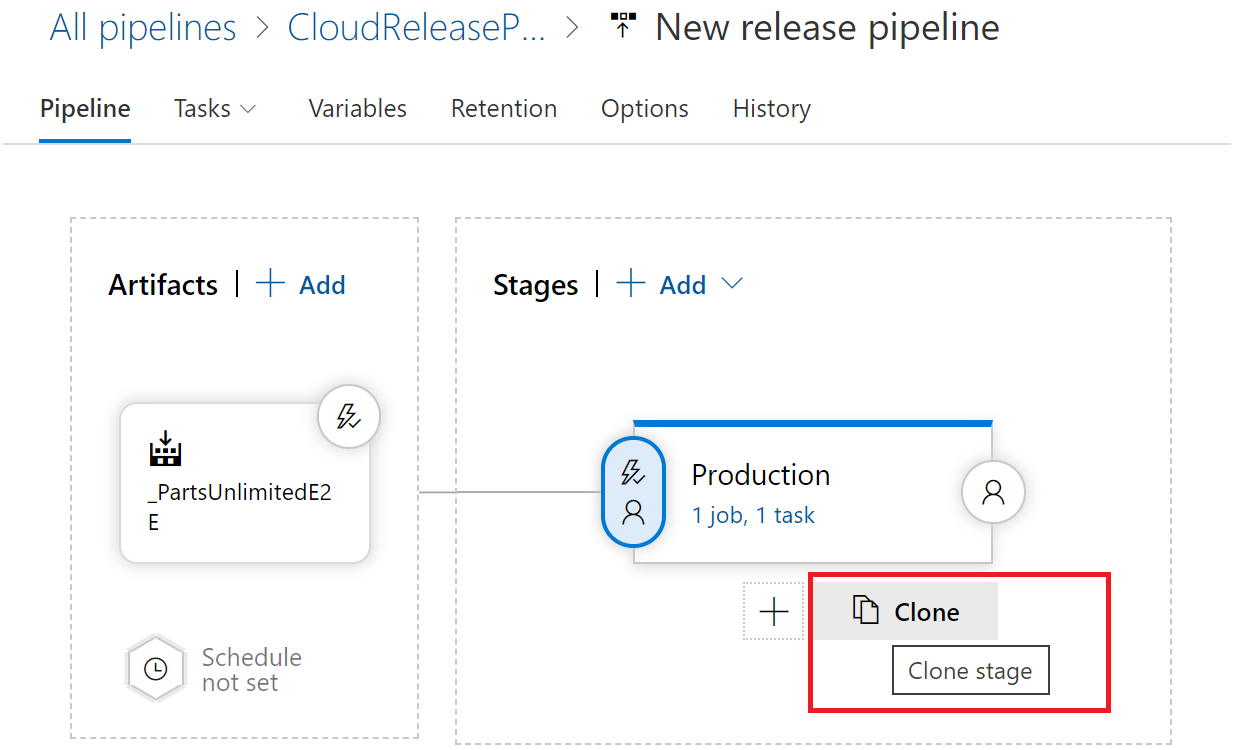

All pipelines
PartsUnlimitedE2E
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
Dev
Deployment process
Dev
Run on agent
Azure Deployment
Azure resource group deployment
Azure App Service Deploy
Azure App Service deploy
Azure resource group deployment
View YAML
Remove
Task version
2.*
Display name *
Azure Deployment
Azure Details
Azure subscription *
Manage
Visual Studio Enterprise
Scoped to subscription 'Visual Studio Enterprise'
Action *
Create or update resource group
Resource group *
$(ResourceGroupName)
Location *
West Europe
Template
Template location *
Linked artifact

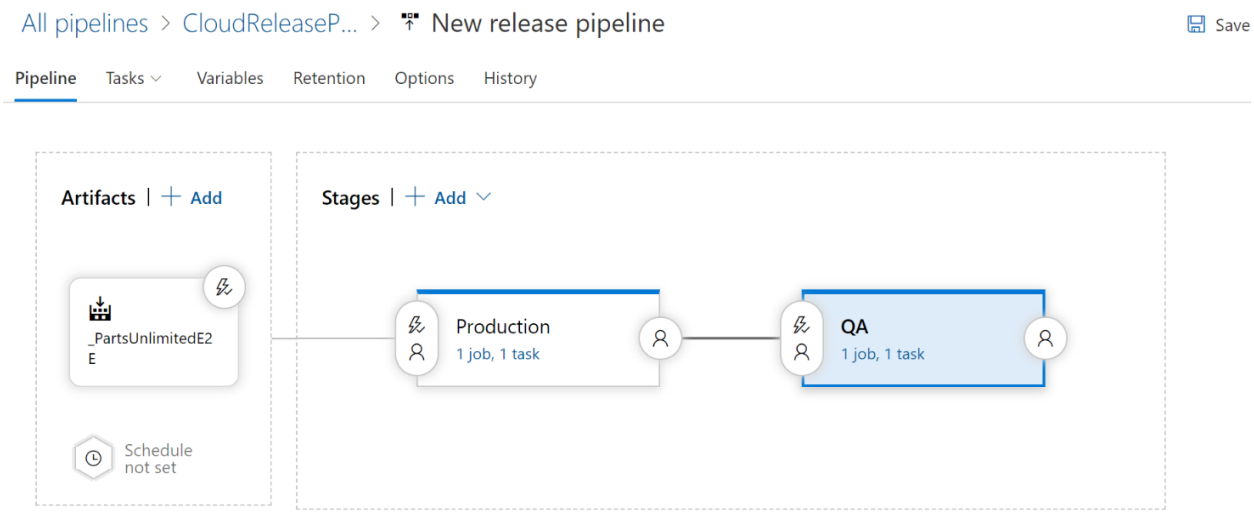

All pipelines > CloudReleaseP... > New release pipeline
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
Stages | Add
Continuous deployment trigger
_PartsUnlimitedE2E
Deploy to cloud
1 job, 1 task
Schedule not set

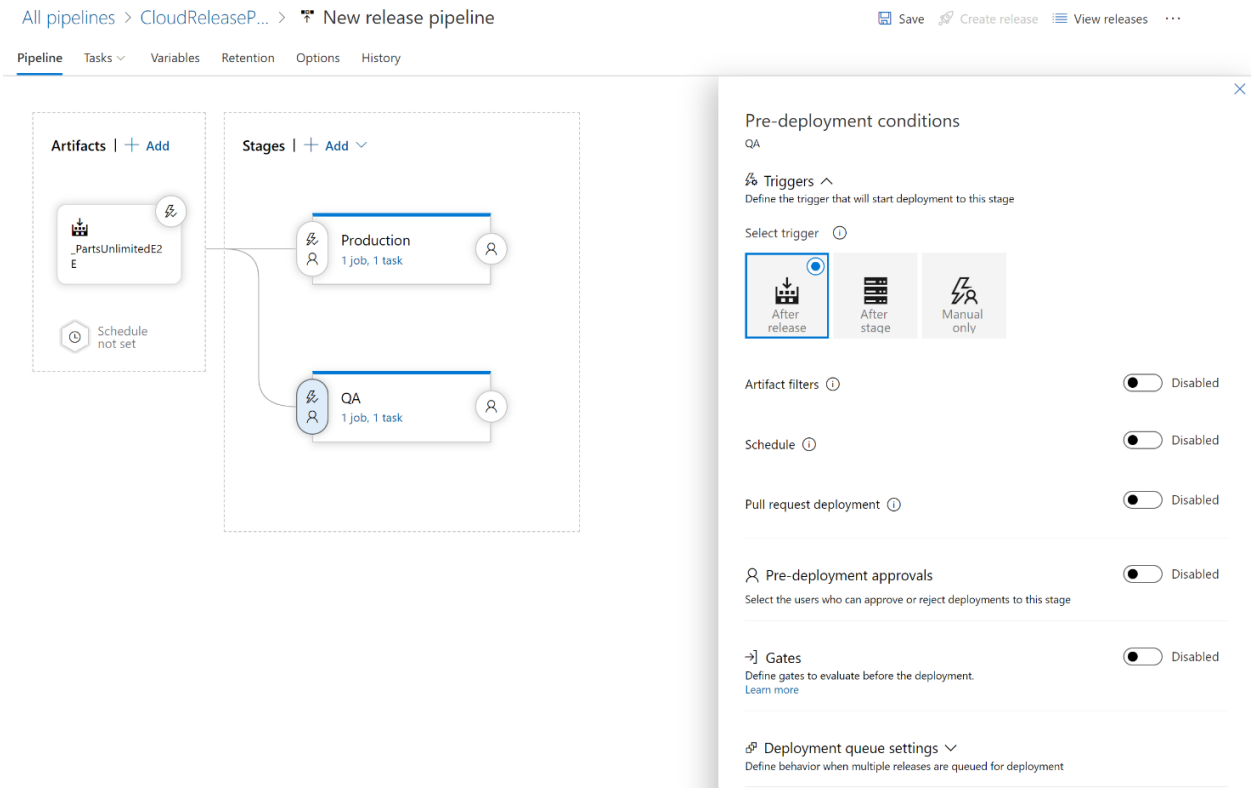

All pipelines > CloudReleaseP... > New release pipeline
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
Stages | Add
_PartsUnlimitedE2E
Deploy to cloud
1 job, 1 task
Schedule not set
Continuous deployment trigger
Build: _PartsUnlimitedE2E
Enabled
Creates a release every time a new build is available.
Build branch filters
Type
Build branch
Build tags
Include
The build pipeline's default bra...
Add
Pull request trigger
Build: _PartsUnlimitedE2E
Disabled
Enabling this will create a release every time a selected artifact is available as part of a pull request workflow

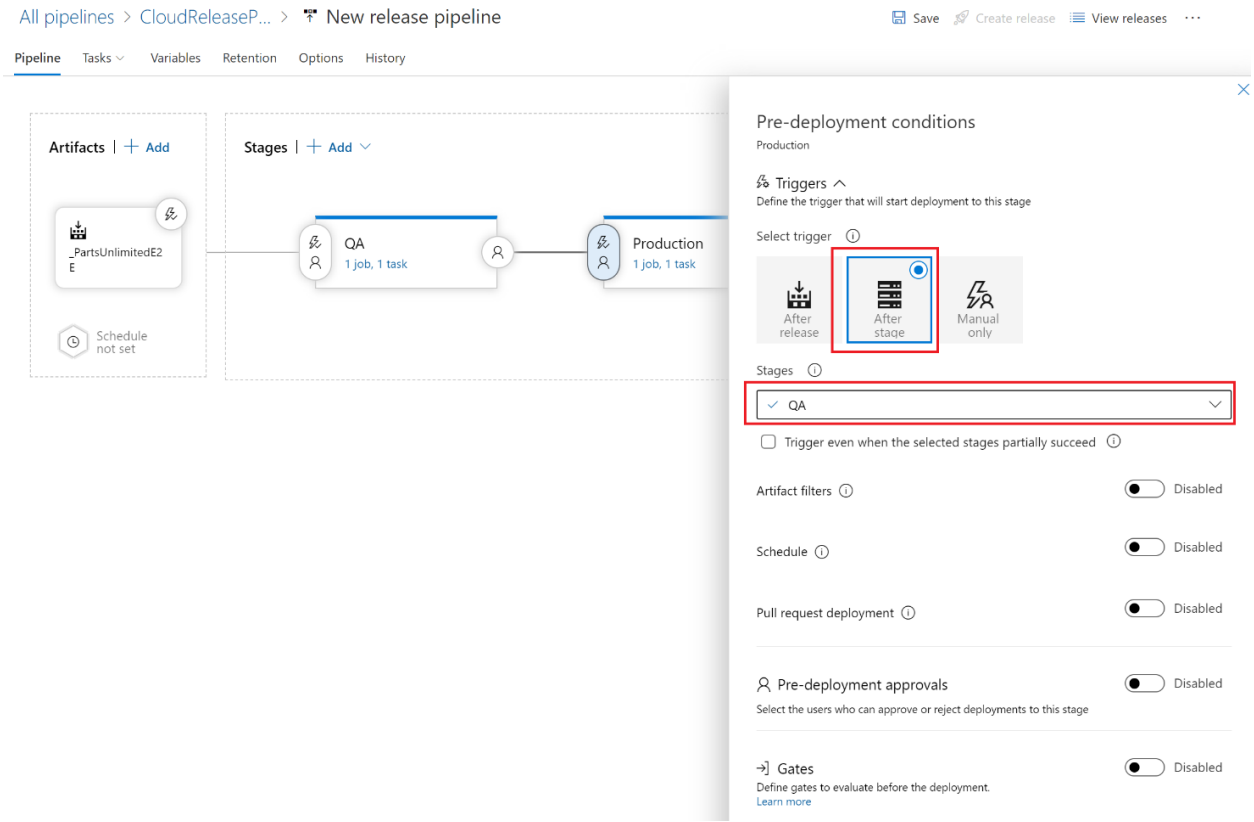

All pipelines > CloudReleaseP... > New release pipeline
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
_PartsUnlimitedE2E
Schedule not set
Stages | Add
Pre-deployment conditions
Deploy to cloud
1 job, 1 task

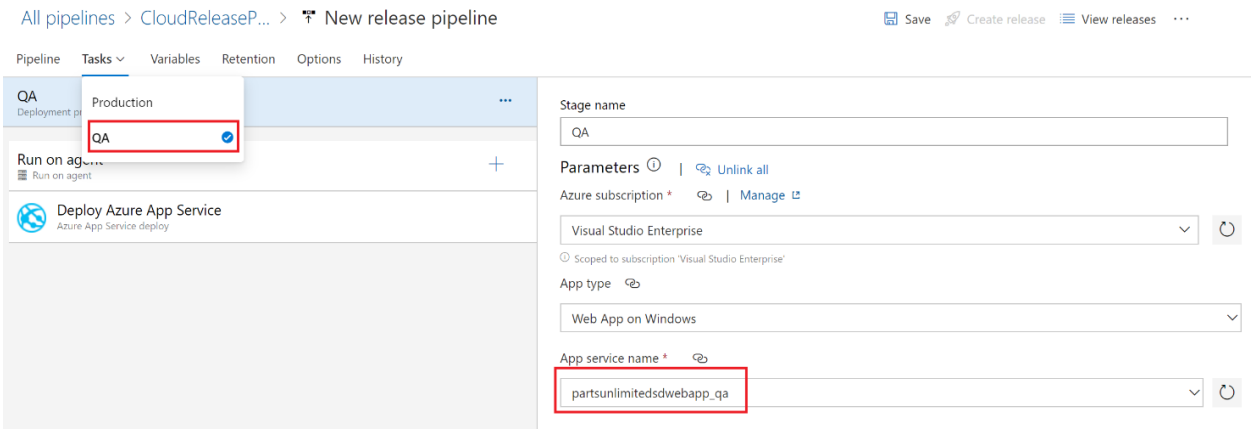

All pipelines > CloudReleaseP... > New release pipeline
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
Stages | Add
_PartsUnlimitedE2E
Schedule not set
Deploy to cloud
1 job, 1 task
Pre-deployment conditions
Deploy to cloud
Triggers
Define the trigger that will start deployment to this stage
Select trigger
After release
Manual only
Artifact filters
Disabled
Schedule
Disabled
Pull request deployment
Disabled
Pre-deployment approvals
Disabled
Select the users who can approve or reject deployments to this stage
Gates
Disabled
Define gates to evaluate before the deployment.
Learn more
Deployment queue settings
Define behavior when multiple releases are queued for deployment

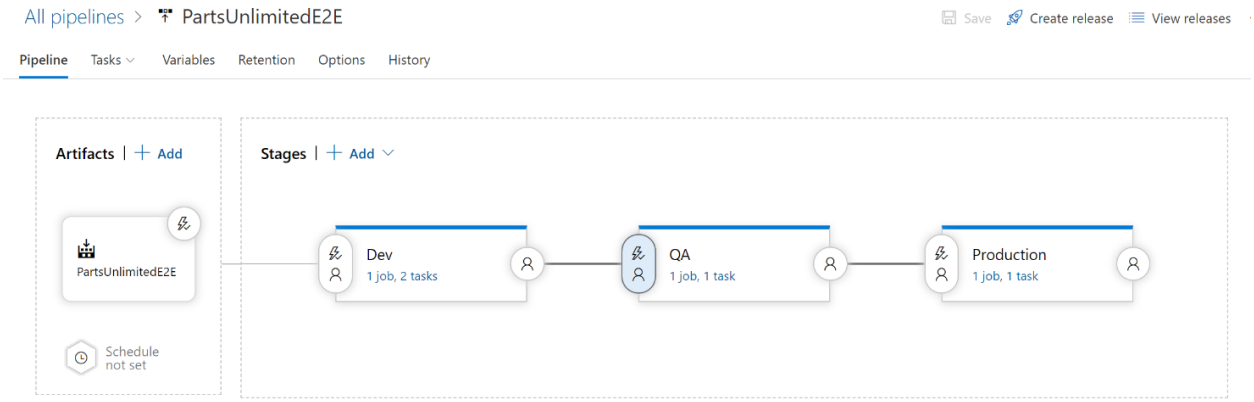

All pipelines > CloudReleaseP... > New release pipeline
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
_PartsUnlimitedE2E
Schedule not set
Stages | Add
Production
1 job, 1 task
Clone
Clone stage

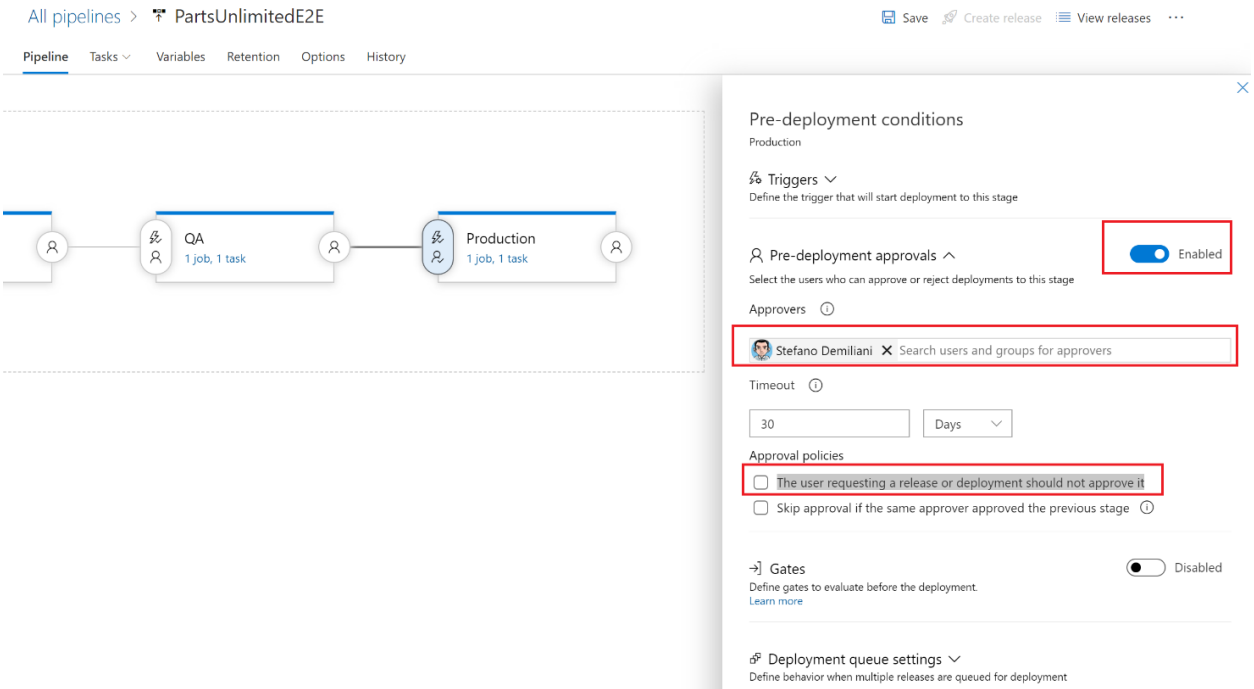

All pipelines > CloudReleaseP... > New release pipeline
Save
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
_PartsUnlimitedE2E
Schedule not set
Stages | Add
Production
1 job, 1 task
QA
1 job, 1 task

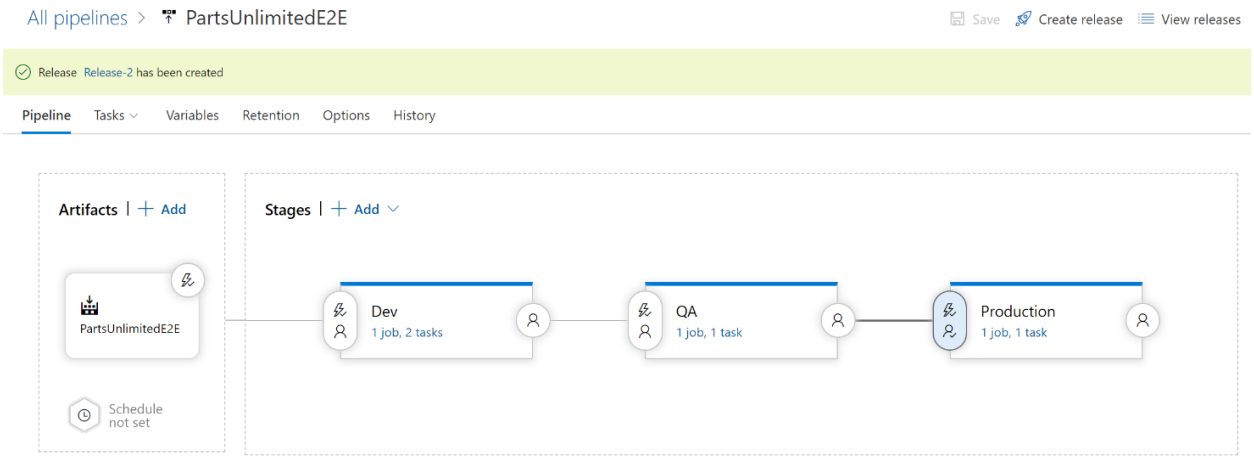

All pipelines > CloudReleaseP... > New release pipeline
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
_PartsUnlimitedE2E
Schedule not set
Stages | Add
Production
1 job, 1 task
QA
1 job, 1 task
Pre-deployment conditions
QA
Triggers
Define the trigger that will start deployment to this stage
Select trigger
After release
After stage
Manual only
Artifact filters
Disabled
Schedule
Disabled
Pull request deployment
Disabled
Pre-deployment approvals
Disabled
Select the users who can approve or reject deployments to this stage
Gates
Disabled
Define gates to evaluate before the deployment.
Learn more
Deployment queue settings
Define behavior when multiple releases are queued for deployment

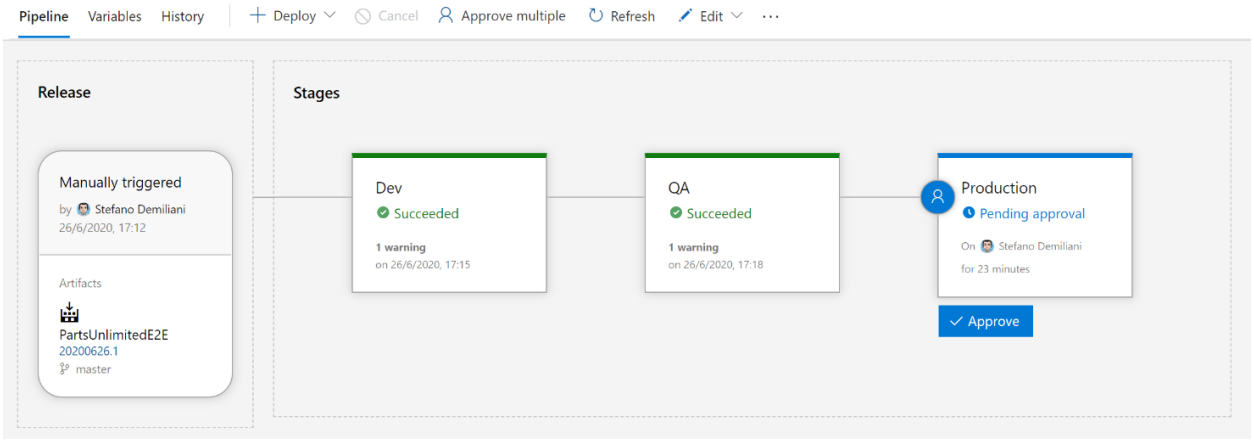

All pipelines > CloudReleaseP... > New release pipeline
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
_PartsUnlimitedE2E
Schedule not set
Stages | Add
QA
1 job, 1 task
Production
1 job, 1 task
Pre-deployment conditions
Production
Triggers
Define the trigger that will start deployment to this stage
Select trigger
After release
After stage
Manual only
Stages
QA
Trigger even when the selected stages partially succeed
Artifact filters
Disabled
Schedule
Disabled
Pull request deployment
Disabled
Pre-deployment approvals
Disabled
Select the users who can approve or reject deployments to this stage
Gates
Disabled
Define gates to evaluate before the deployment.
Learn more

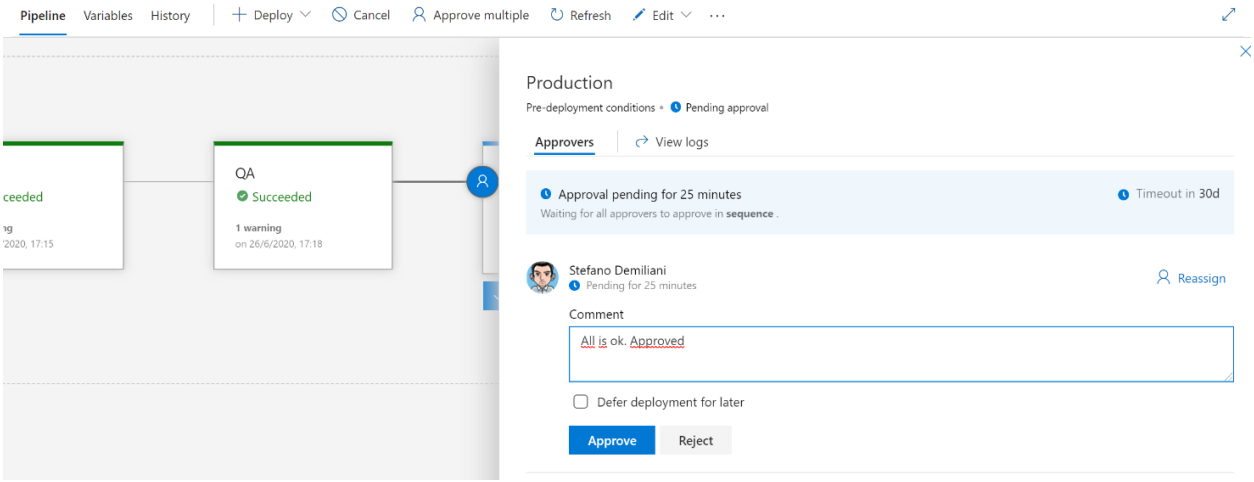

All pipelines > CloudReleaseP... > New release pipeline
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
QA
Production
QA
Run on agent
Deploy Azure App Service
Azure App Service deploy
Stage name
QA
Parameters
Unlink all
Azure subscription *
Manage
Visual Studio Enterprise
Scoped to subscription 'Visual Studio Enterprise'
App type
Web App on Windows
App service name *
partsunlimitedsdwebapp_qa

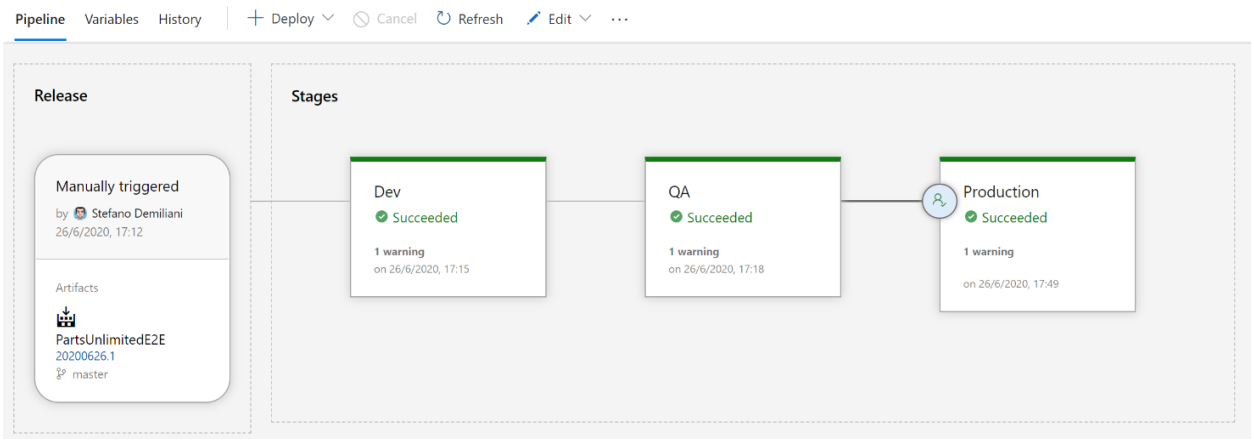

All pipelines > PartsUnlimitedE2E
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
PartsUnlimitedE2E
Schedule not set
Stages | Add
Dev
1 job, 2 tasks
QA
1 job, 1 task
Production
1 job, 1 task

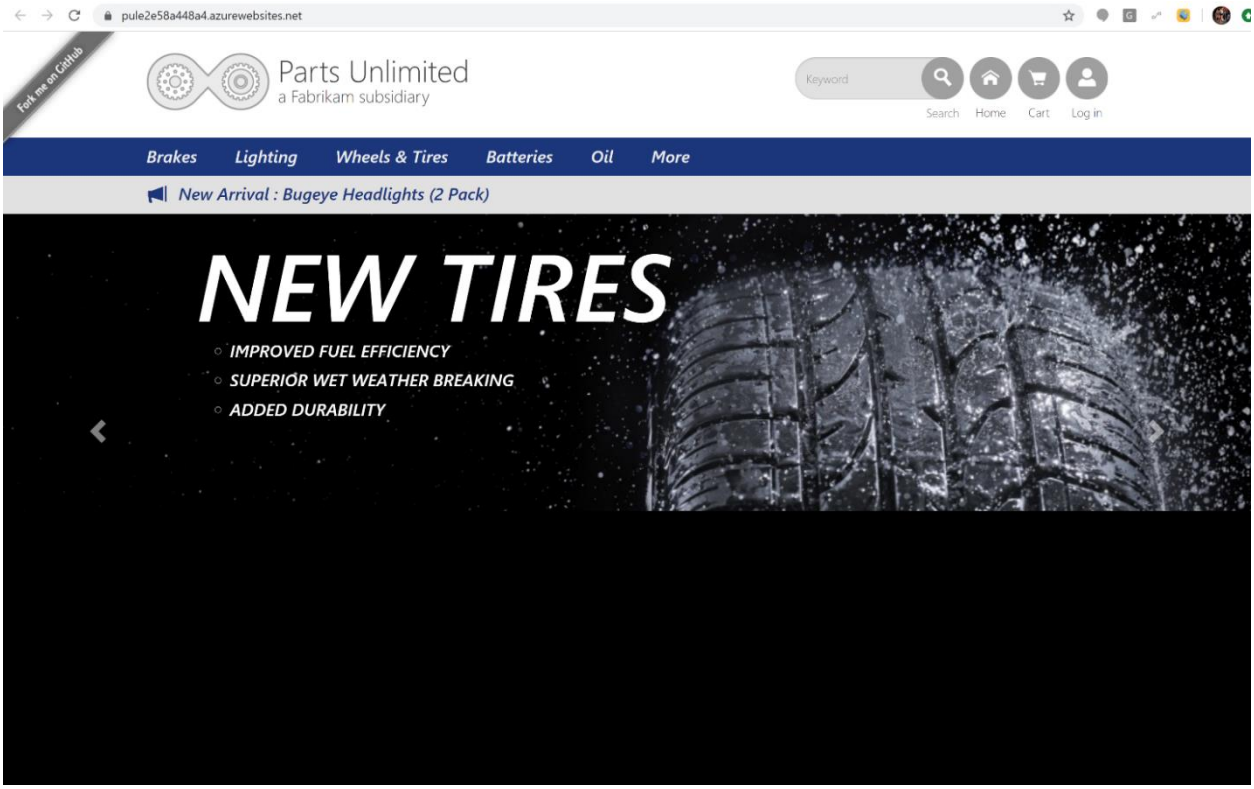

All pipelines > PartsUnlimitedE2E
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
QA
1 job, 1 task
Production
1 job, 1 task
Pre-deployment conditions
Production
Triggers
Define the trigger that will start deployment to this stage
Pre-deployment approvals
Enabled
Select the users who can approve or reject deployments to this stage
Approvers
Stefano Demiliani
Search users and groups for approvers
Timeout
30
Days
Approval policies
The user requesting a release or deployment should not approve it
Skip approval if the same approver approved the previous stage
Gates
Disabled
Define gates to evaluate before the deployment.
Learn more
Deployment queue settings
Define behavior when multiple releases are queued for deployment

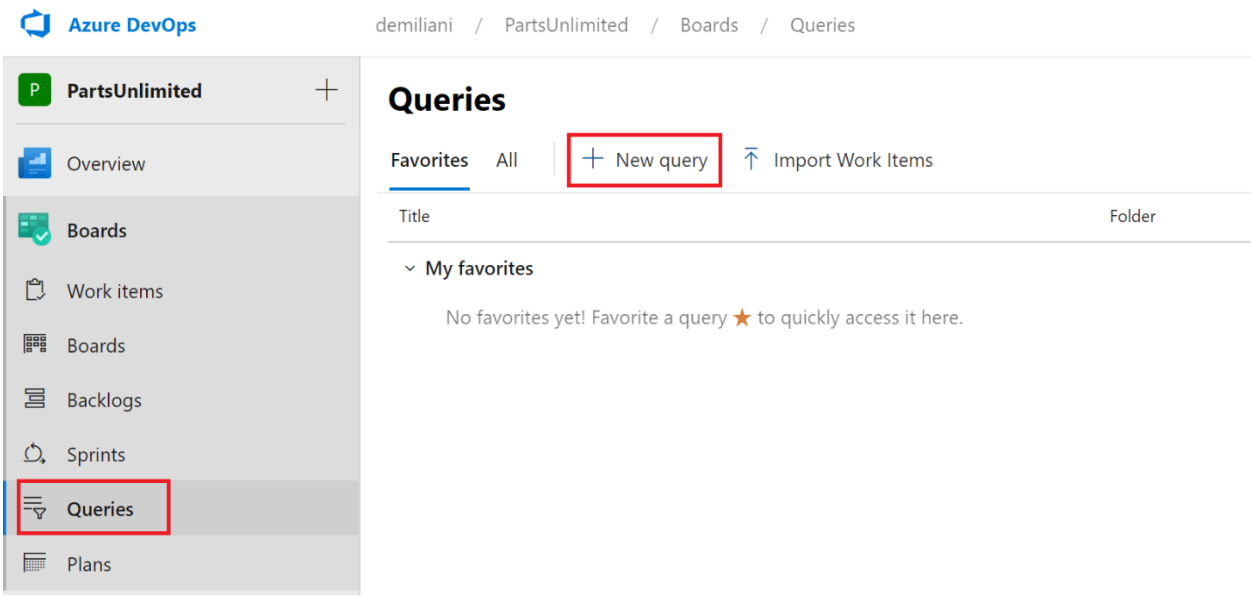

All pipelines > PartsUnlimitedE2E
Save
Create release
View releases
Release Release-2 has been created
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | + Add
Stages | + Add
PartsUnlimitedE2E
Schedule not set
Dev
1 job, 2 tasks
QA
1 job, 1 task
Production
1 job, 1 task

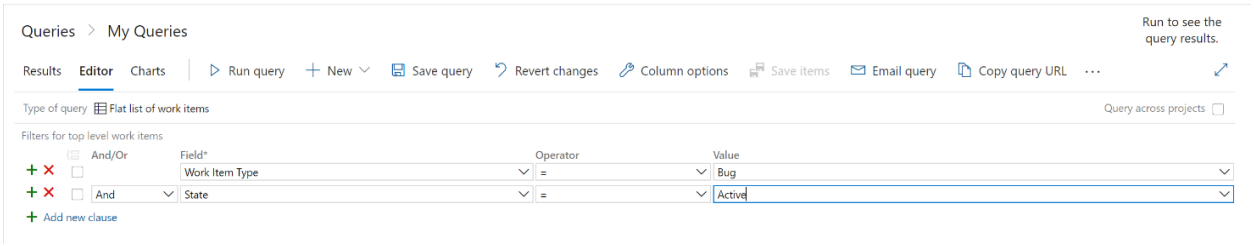

Pipeline
Variables
History
Deploy
Cancel
Approve multiple
Refresh
Edit
Release
Stages
Manually triggered
by Stefano Demiliani
26/6/2020, 17:12
Artifacts
PartsUnlimitedE2E
20200626.1
master
Dev
Succeeded
1 warning
on 26/6/2020, 17:15
QA
Succeeded
1 warning
on 26/6/2020, 17:18
Production
Pending approval
On Stefano Demiliani
for 23 minutes
Approve

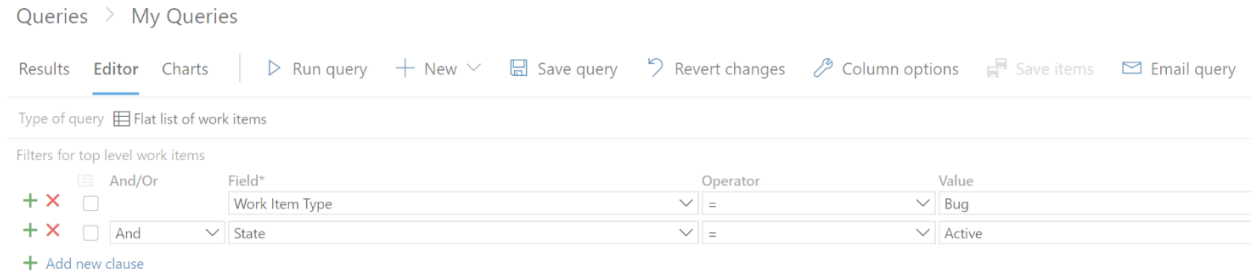

Pipeline
Variables
History
Deploy
Cancel
Approve multiple
Refresh
Edit
QA
Succeeded
1 warning
on 26/6/2020, 17:18
Production
Pre-deployment conditions • Pending approval
Approvers
View logs
Approval pending for 25 minutes
Timeout in 30d
Waiting for all approvers to approve in sequence .
Stefano Demiliani
Pending for 25 minutes
Reassign
Comment
All is ok. Approved
Defer deployment for later
Approve
Reject

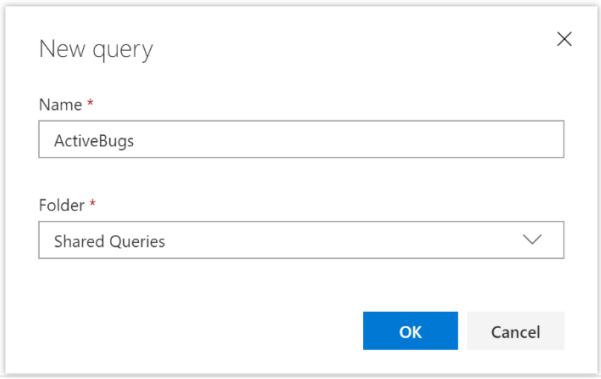

Pipeline
Variables
History
Deploy
Cancel
Refresh
Edit
Release
Stages
Manually triggered
by Stefano Demiliani
26/6/2020, 17:12
Artifacts
PartsUnlimitedE2E
20200626.1
master
Dev
Succeeded
1 warning
on 26/6/2020, 17:15
QA
Succeeded
1 warning
on 26/6/2020, 17:18
Production
Succeeded
1 warning
on 26/6/2020, 17:49


pule2e58a448a4.azurewebsites.net
Fork me on GitHub
Parts Unlimited
a Fabrikam subsidiary
Keyword
Search
Home
Cart
Log in
Brakes
Lighting
Wheels & Tires
Batteries
Oil
More
New Arrival : Bugeye Headlights (2 Pack)
NEW TIRES
IMPROVED FUEL EFFICIENCY
SUPERIOR WET WEATHER BREAKING
ADDED DURABILITY

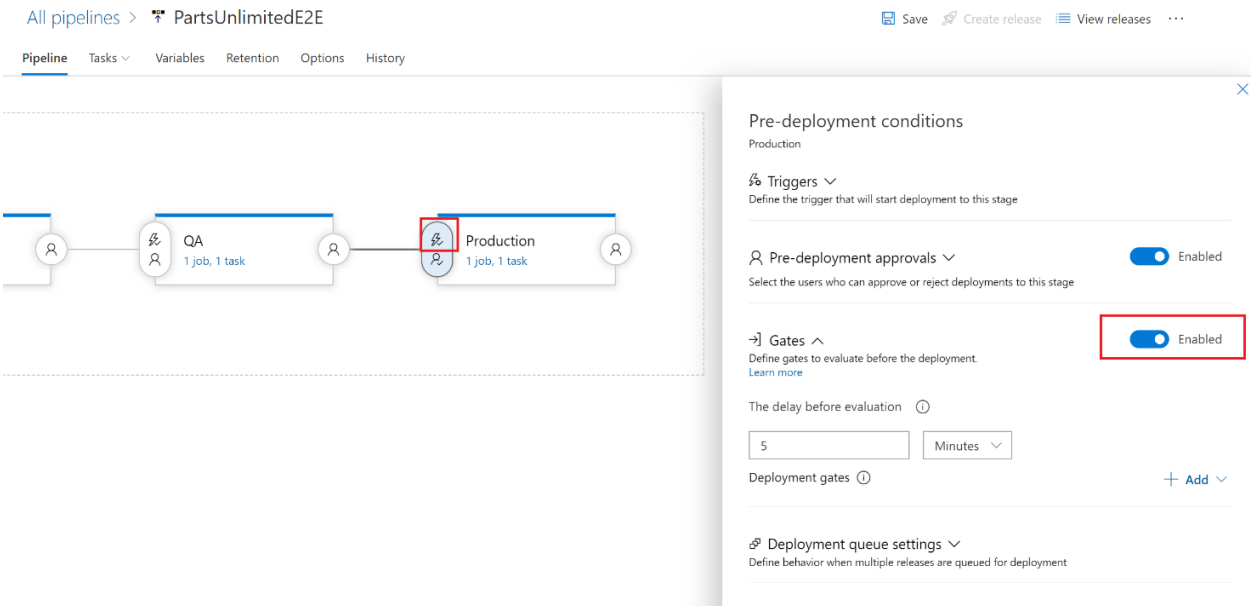

Azure DevOps
demiliani / PartsUnlimited / Boards / Queries
PartsUnlimited
Overview
Boards
Work items
Boards
Backlogs
Sprints
Queries
Plans
Queries
Favorites
All
New query
Import Work Items
Title
Folder
My favorites
No favorites yet! Favorite a query ★ to quickly access it here.

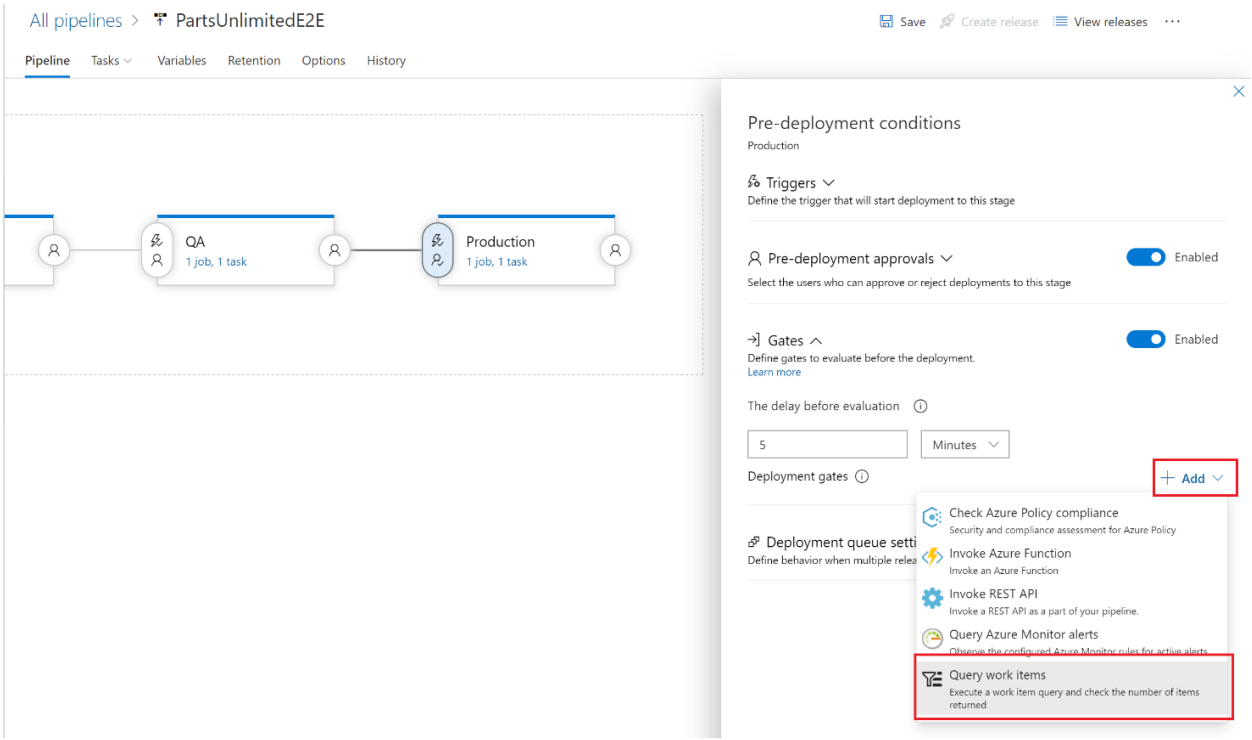

Queries > My Queries
Run to see the query results.
Results
Editor
Charts
Run query
New
Save query
Revert changes
Column options
Save items
Email query
Copy query URL
Type of query
Flat list of work items
Query across projects
Filters for top level work items
And/Or
Field*
Operator
Value
Work Item Type
=
Bug
And
State
=
Active
Add new clause

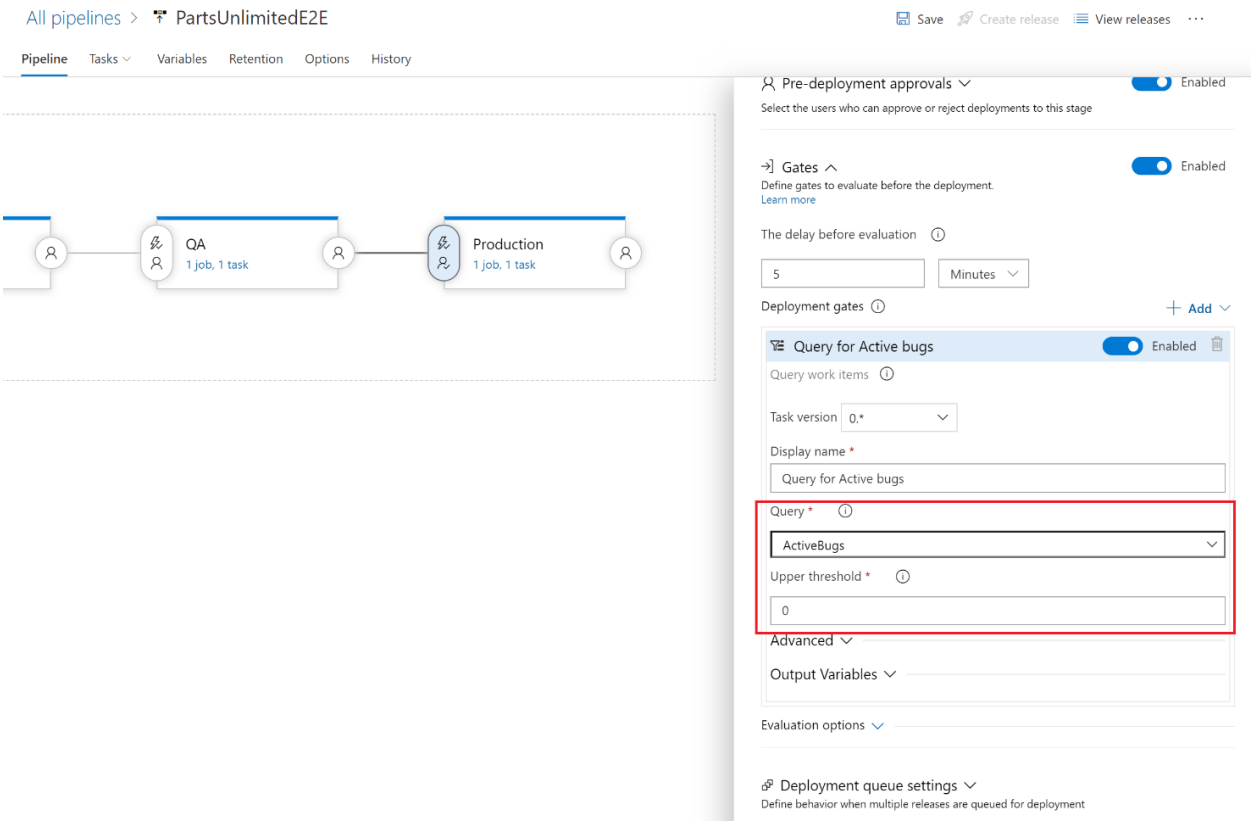

Queries > My Queries
Results
Editor
Charts
Run query
New
Save query
Revert changes
Column options
Save items
Email query
Type of query
Flat list of work items
Filters for top level work items
And/Or
Field*
Operator
Value
Work Item Type
=
Bug
And
State
=
Active
Add new clause

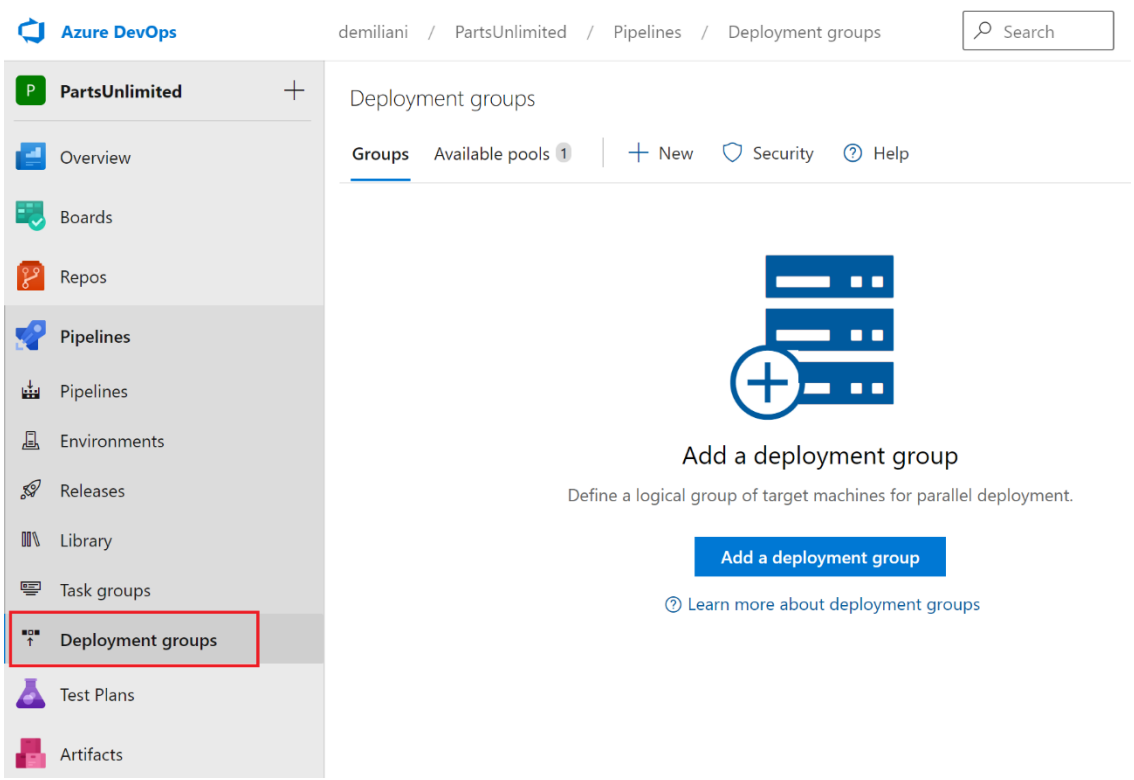

New query
Name *
ActiveBugs
Folder *
Shared Queries
OK
Cancel

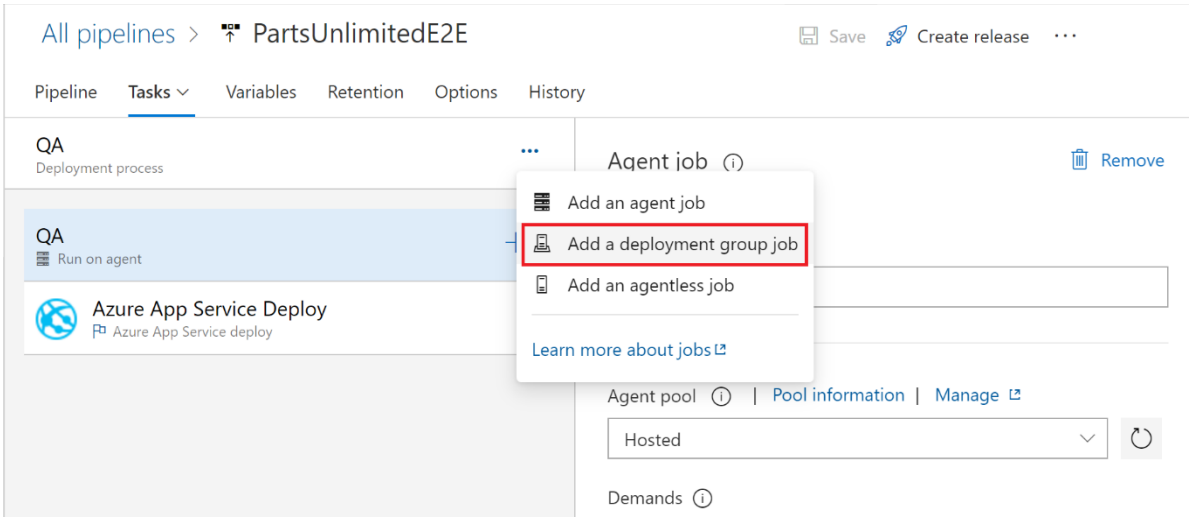
ID
Work Item...
Title
Assigned To
State
Tags

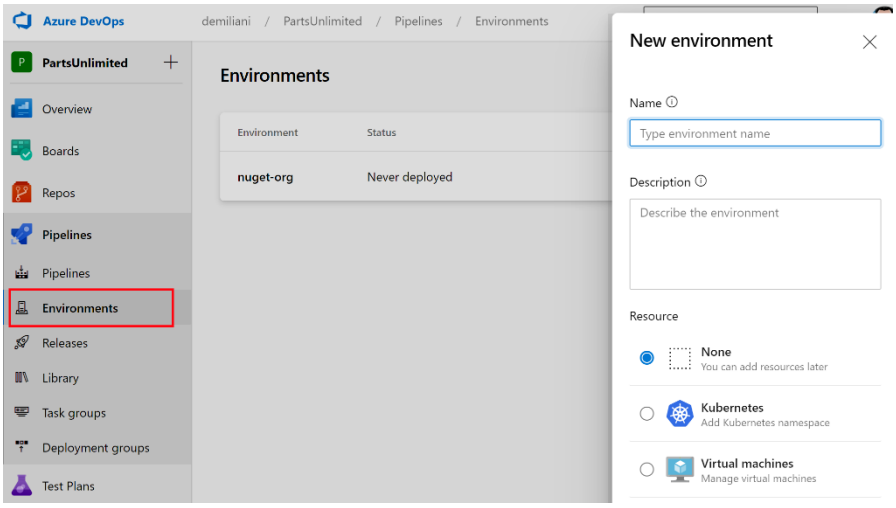

All pipelines > PartsUnlimitedE2E
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
QA
1 job, 1 task
Production
1 job, 1 task
Pre-deployment conditions
Production
Triggers
Define the trigger that will start deployment to this stage
Pre-deployment approvals
Enabled
Select the users who can approve or reject deployments to this stage
Gates
Enabled
Define gates to evaluate before the deployment.
Learn more
The delay before evaluation
5
Minutes
Deployment gates
Add
Deployment queue settings
Define behavior when multiple releases are queued for deployment


All pipelines > PartsUnlimitedE2E
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
QA
1 job, 1 task
Production
1 job, 1 task
Pre-deployment conditions
Production
Triggers
Define the trigger that will start deployment to this stage
Pre-deployment approvals
Enabled
Select the users who can approve or reject deployments to this stage
Gates
Enabled
Define gates to evaluate before the deployment.
Learn more
The delay before evaluation
5
Minutes
Deployment gates
Add
Check Azure Policy compliance
Security and compliance assessment for Azure Policy
Invoke Azure Function
Invoke an Azure Function
Invoke REST API
Invoke a REST API as a part of your pipeline.
Query Azure Monitor alerts
Query work items
Execute a work item query and check the number of items returned

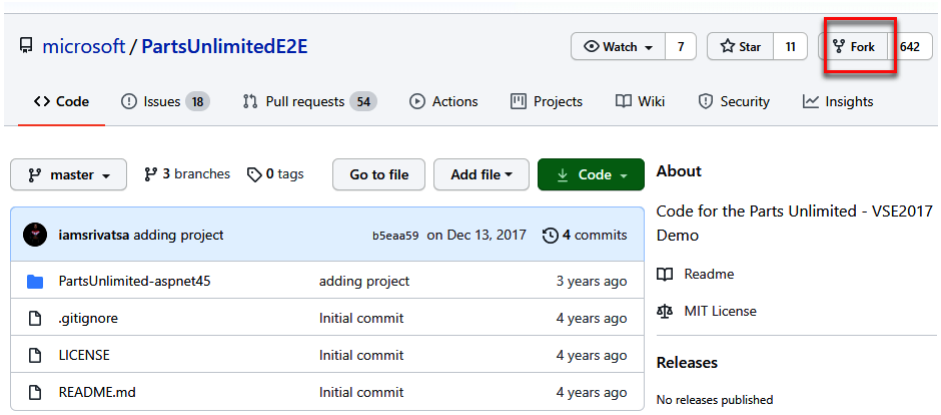

All pipelines > PartsUnlimitedE2E
Save
Create release
View releases
Pipeline
Tasks
Variables
Retention
Options
History
QA
1 job, 1 task
Production
1 job, 1 task
Pre-deployment approvals
Enabled
Select the users who can approve or reject deployments to this stage
Gates
Enabled
Define gates to evaluate before the deployment.
Learn more
The delay before evaluation
5
Minutes
Deployment gates
Add
Query for Active bugs
Enabled
Query work items
Task version
0.*
Display name *
Query for Active bugs
Query *
ActiveBugs
Upper threshold *
0
Advanced
Output Variables
Evaluation options
Deployment queue settings
Define behavior when multiple releases are queued for deployment

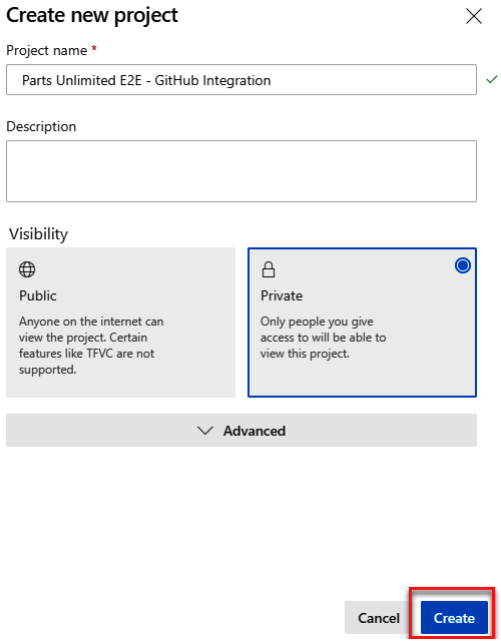

Azure DevOps
demiliani / PartsUnlimited / Pipelines / Deployment groups
Search
PartsUnlimited
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Releases
Library
Task groups
Deployment groups
Test Plans
Artifacts
Deployment groups
Groups
Available pools 1
New
Security
Help
Add a deployment group
Define a logical group of target machines for parallel deployment.
Add a deployment group
Learn more about deployment groups

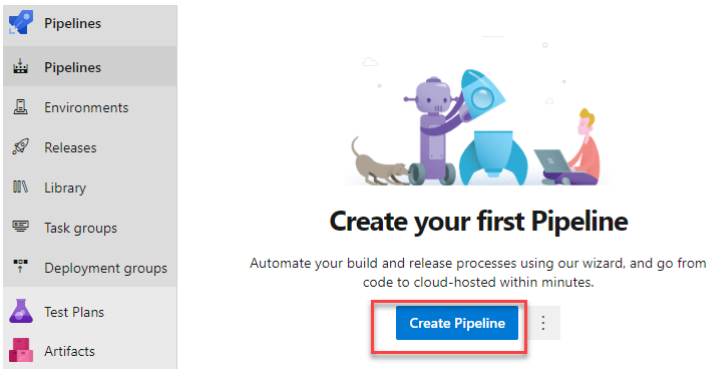

All pipelines
PartsUnlimitedE2E
Save
Create release
Pipeline
Tasks
Variables
Retention
Options
History
QA
Deployment process
QA
Run on agent
Azure App Service Deploy
Azure App Service deploy
Add an agent job
Add a deployment group job
Add an agentless job
Learn more about jobs
Agent job
Remove
Agent pool
Pool information
Manage
Hosted
Demands

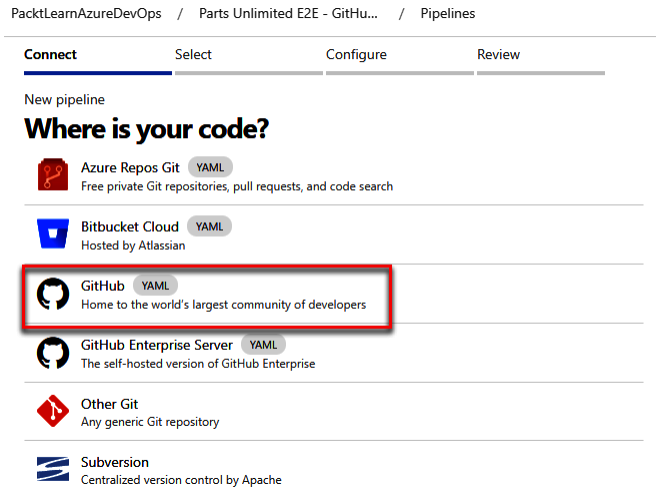

Azure DevOps
demiliani / PartsUnlimited / Pipelines / Environments
PartsUnlimited
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Releases
Library
Task groups
Deployment groups
Test Plans
Environments
Environment
Status
nuget-org
Never deployed
New environment
Name
Type environment name
Description
Describe the environment
Resource
None
You can add resources later
Kubernetes
Add Kubernetes namespace
Virtual machines
Manage virtual machines

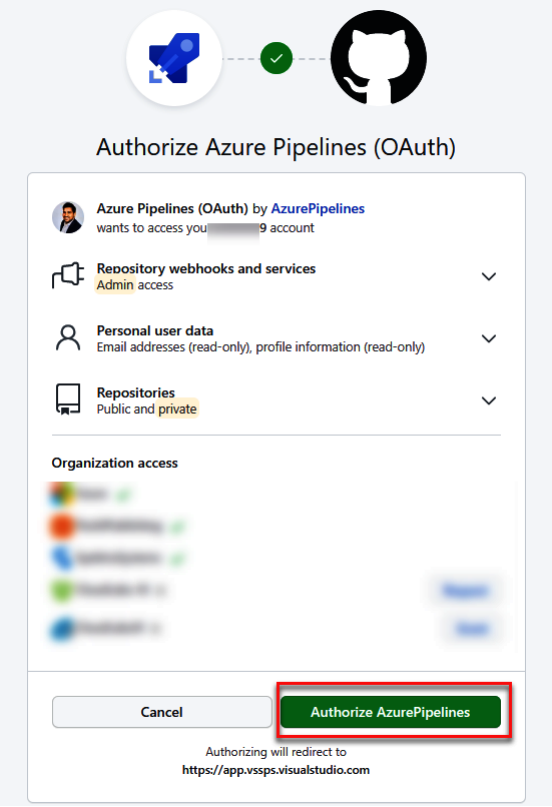
Chapter 9: Integrating Azure DevOps with GitHub

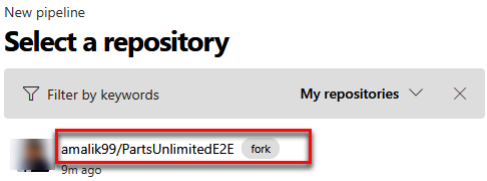


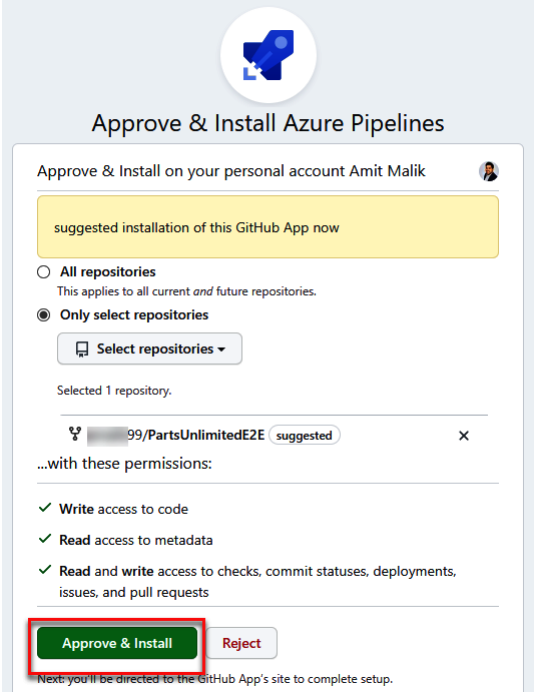


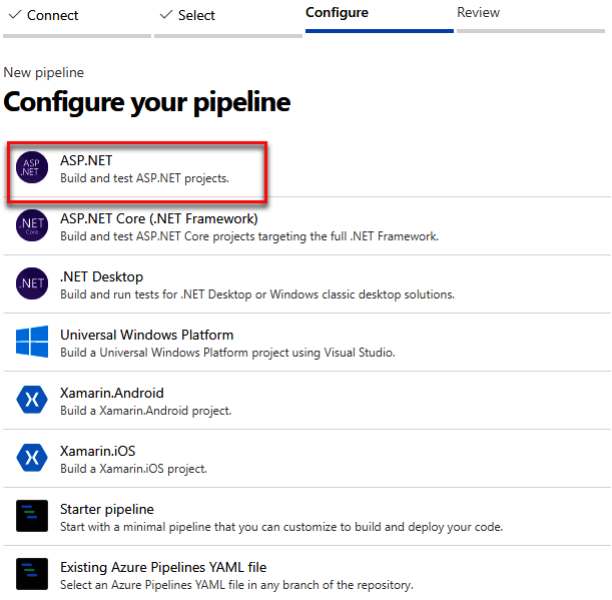

Pipelines
Pipelines
Environments
Releases
Library
Task groups
Deployment groups
Test Plans
Artifacts
Create your first Pipeline
Automate your build and release processes using our wizard, and go from code to cloud-hosted within minutes.
Create Pipeline

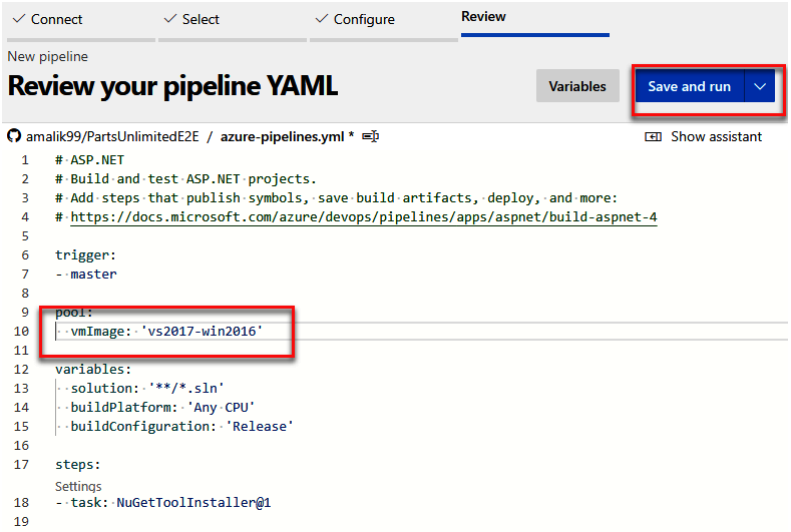

PacktLearnAzureDevOps / Parts Unlimited E2E - GitHu... / Pipelines
Connect
Select
Configure
Review
New pipeline
Where is your code?
Azure Repos Git YAML
Free private Git repositories, pull requests, and code search
Bitbucket Cloud YAML
Hosted by Atlassian
GitHub YAML
Home to the world's largest community of developers
GitHub Enterprise Server YAML
The self-hosted version of GitHub Enterprise
Other Git
Any generic Git repository
Subversion
Centralized version control by Apache

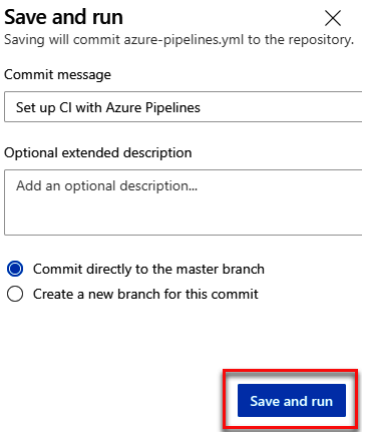

Authorize Azure Pipelines (OAuth)
Azure Pipelines (OAuth) by AzurePipelines
wants to access you 9 account
Repository webhooks and services
Admin access
Personal user data
Email addresses (read-only), profile information (read-only)
Repositories
Public and private
Organization access
Cancel
Authorize AzurePipelines
Authorizing will redirect to
https://app.vssps.visualstudio.com

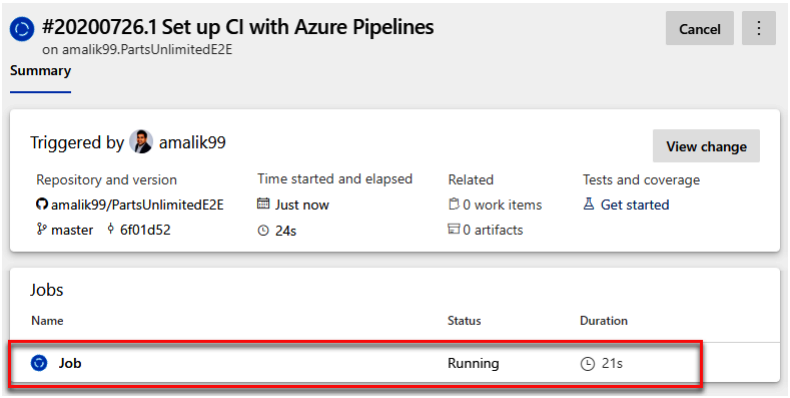

New pipeline
Select a repository
Filter by keywords
My repositories
amalik99/PartsUnlimitedE2E
fork
9m ago

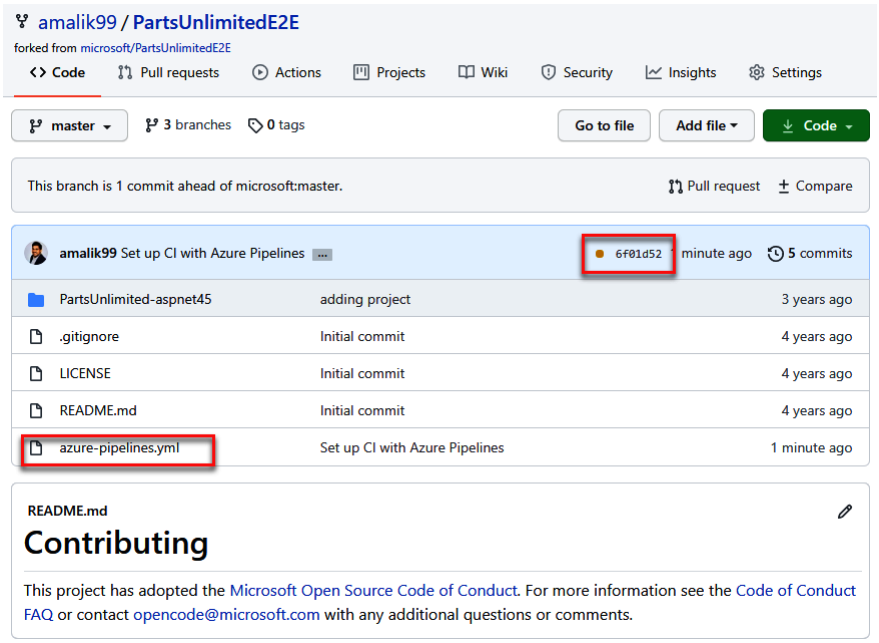

Approve & Install Azure Pipelines
Approve & Install on your personal account Amit Malik
suggested installation of this GitHub App now
All repositories
This applies to all current and future repositories.
Only select repositories
Select repositories
Selected 1 repository.
99/PartsUnlimitedE2E
suggested
...with these permissions:
Write access to code
Read access to metadata
Read and write access to checks, commit statuses, deployments, issues, and pull requests
Approve & Install
Reject
Next: you'll be directed to the GitHub App's site to complete setup.

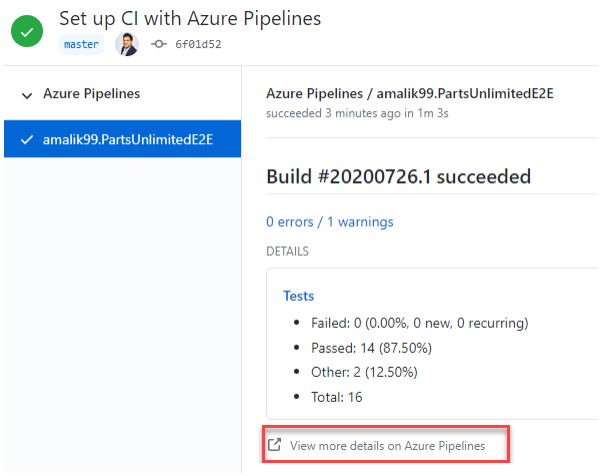

Connect
Select
Configure
Review
New pipeline
Configure your pipeline
ASP.NET
Build and test ASP.NET projects.
ASP.NET Core (.NET Framework)
Build and test ASP.NET Core projects targeting the full .NET Framework.
.NET Desktop
Build and run tests for .NET Desktop or Windows classic desktop solutions.
Universal 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.
Starter pipeline
Start with a minimal pipeline that you can customize to build and deploy your code.
Existing Azure Pipelines YAML file
Select an Azure Pipelines YAML file in any branch of the repository.

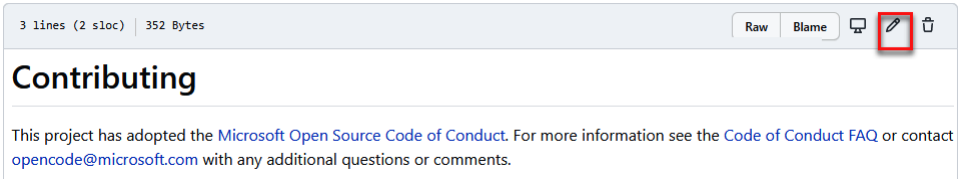

✓ Connect
✓ Select
✓ Configure
Review
New pipeline
Review your pipeline YAML
Variables
Save and run
amalik99/PartsUnlimitedE2E / azure-pipelines.yml *
Show assistant
ASP.NET
Build and test ASP.NET projects.
Add steps that publish symbols, save build artifacts, deploy, and more:
https://docs.microsoft.com/azure/devops/pipelines/apps/aspnet/build-aspnet-4
trigger:
- master
pool:
vmImage: 'vs2017-win2016'
variables:
solution: '**/*.sln'
buildPlatform: 'Any CPU'
buildConfiguration: 'Release'
steps:
Settings
- task: NuGetToolInstaller@1


Save and run
Saving will commit azure-pipelines.yml to the repository.
Commit message
Set up CI with Azure Pipelines
Optional extended description
Add an optional description...
Commit directly to the master branch
Create a new branch for this commit
Save and run


#20200726.1 Set up CI with Azure Pipelines
on amalik99.PartsUnlimitedE2E
Cancel
Summary
Triggered by amalik99
View change
Repository and version
amalik99/PartsUnlimitedE2E
master 6f01d52
Time started and elapsed
Just now
24s
Related
0 work items
0 artifacts
Tests and coverage
Get started
Jobs
Name
Status
Duration
Job
Running
21s


amalik99 / PartsUnlimitedE2E
forked from microsoft/PartsUnlimitedE2E
Code
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
master
3 branches
0 tags
Go to file
Add file
Code
This branch is 1 commit ahead of microsoft:master.
Pull request
Compare
amalik99 Set up CI with Azure Pipelines
6f01d52
1 minute ago
5 commits
PartsUnlimited-aspnet45 adding project 3 years ago
.gitignore Initial commit 4 years ago
LICENSE Initial commit 4 years ago
README.md Initial commit 4 years ago
azure-pipelines.yml Set up CI with Azure Pipelines 1 minute ago
README.md
Contributing
This project has adopted the Microsoft Open Source Code of Conduct. For more information see the Code of Conduct FAQ or contact opencode@microsoft.com with any additional questions or comments.


Set up CI with Azure Pipelines
master
6f01d52
Azure Pipelines
amalik99.PartsUnlimitedE2E
Azure Pipelines / amalik99.PartsUnlimitedE2E
succeeded 3 minutes ago in 1m 3s
Build #20200726.1 succeeded
0 errors / 1 warnings
DETAILS
Tests
Failed: 0 (0.00%, 0 new, 0 recurring)
Passed: 14 (87.50%)
Other: 2 (12.50%)
Total: 16
View more details on Azure Pipelines


3 lines (2 sloc) 352 Bytes
Raw
Blame
Contributing
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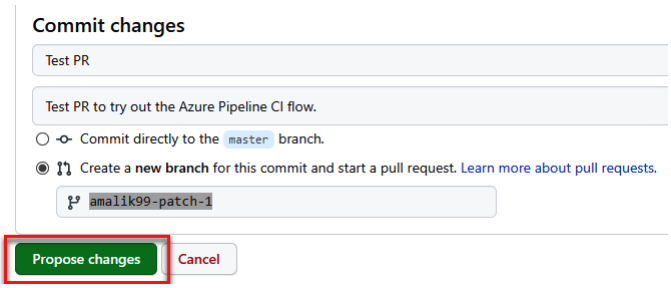
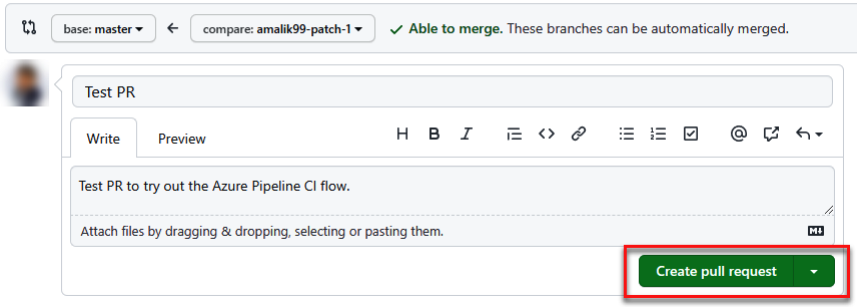
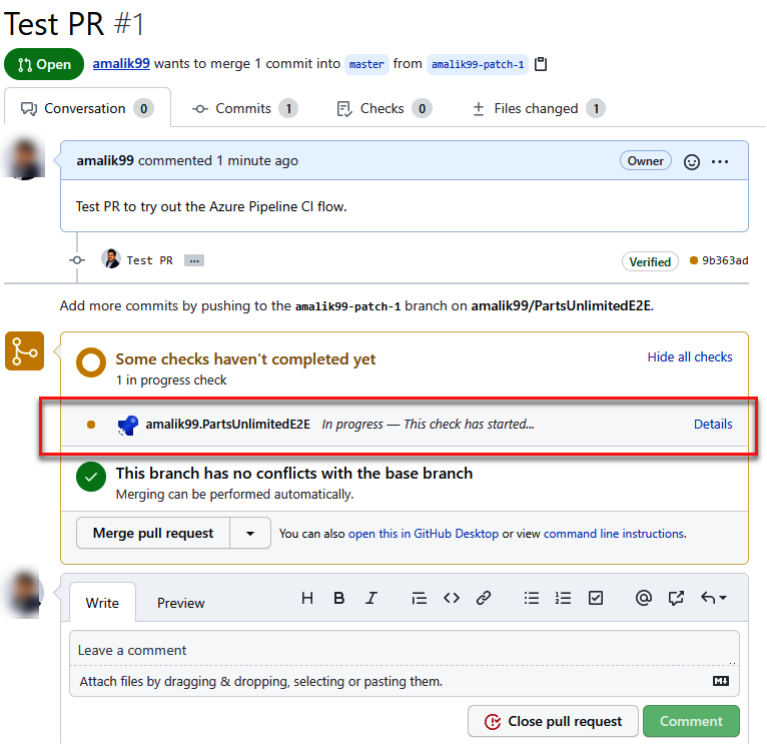
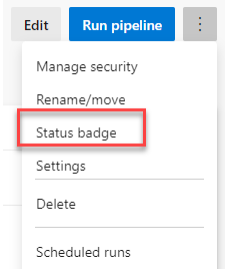

Commit changes
Test PR
Test PR to try out the Azure Pipeline CI flow.
Commit directly to the master branch.
Create a new branch for this commit and start a pull request. Learn more about pull requests.
amalik99-patch-1
Propose changes
Cancel

Open a pull request

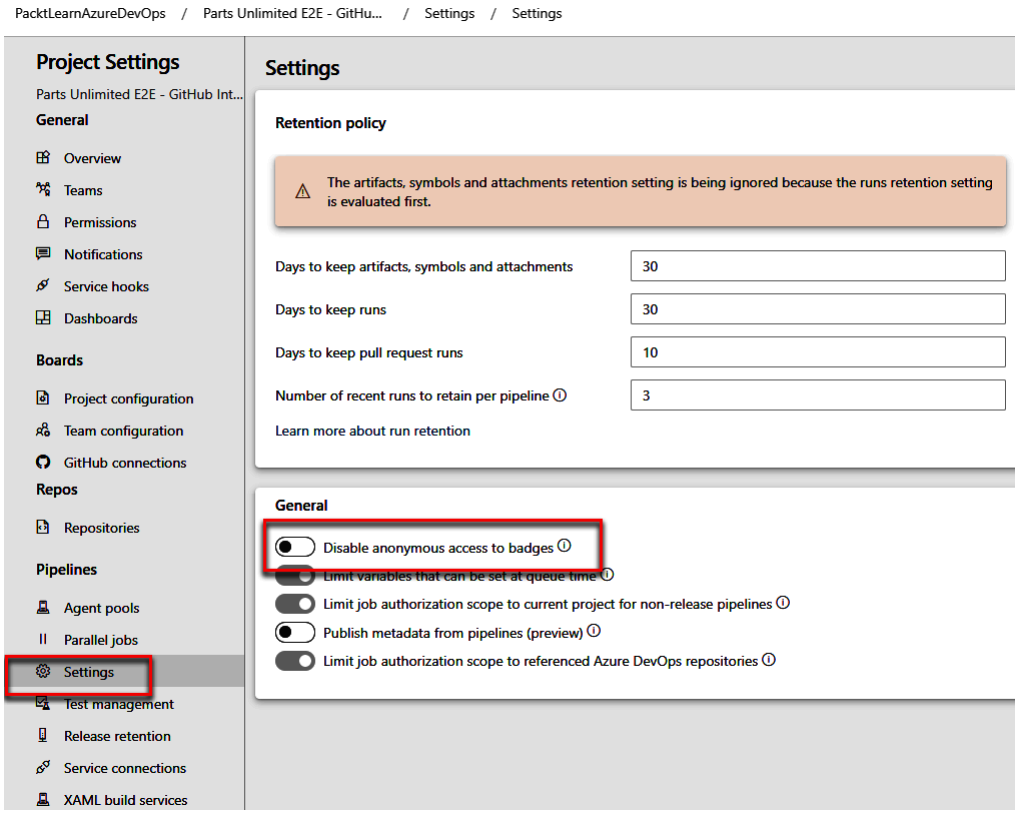
The change you just made was written to a new branch named `amalik99-patch-1`. Create a pull request below to propose these changes.

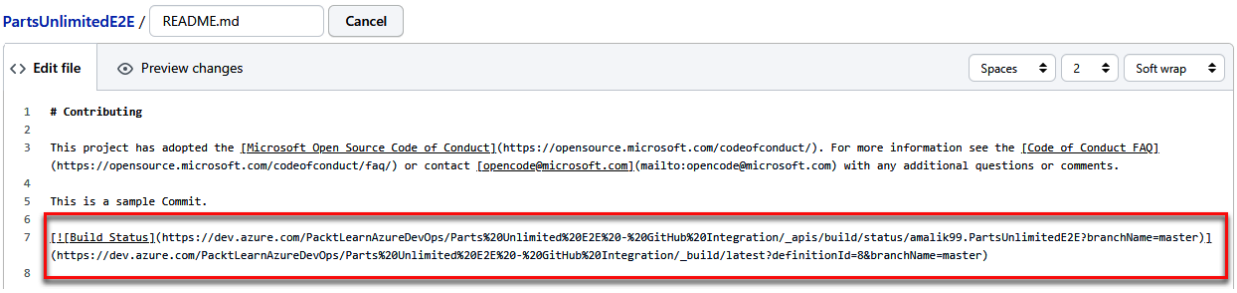






Status badge
Azure Pipelines succeeded
Branch
master
Scope
Pipeline
Image URL
https://dev.azure.com/PacktLearnAzureDevOps/Parts%20Unlimited%20E2E%20-%20Gitl
Sample markdown
[![Build Status](https://dev.azure.com/PacktLearnAzureDevOps/Parts%20Unlimited%20E2


PacktLearnAzureDevOps / Parts Unlimited E2E - GitHu... / Settings / Settings
Project Settings
Parts Unlimited E2E - GitHub Int...
General
Overview
Teams
Permissions
Notifications
Service hooks
Dashboards
Boards
Project configuration
Team configuration
GitHub connections
Repos
Repositories
Pipelines
Agent pools
Parallel jobs
Settings
Test management
Release retention
Service connections
XAML build services
Settings
Retention policy
The artifacts, symbols and attachments retention setting is being ignored because the runs retention setting is evaluated first.
Days to keep artifacts, symbols and attachments
30
Days to keep runs
30
Days to keep pull request runs
10
Number of recent runs to retain per pipeline
3
Learn more about run retention
General
Disable anonymous access to badges
Limit variables that can be set at queue time
Limit job authorization scope to current project for non-release pipelines
Publish metadata from pipelines (preview)
Limit job authorization scope to referenced Azure DevOps repositories


PartsUnlimitedE2E / README.md
Cancel
Edit file
Preview changes
Spaces
2
Soft wrap
Contributing
This project has adopted the [Microsoft Open Source Code of Conduct](https://opensource.microsoft.com/codeofconduct/). For more information see the [Code of Conduct FAQ]
(https://opensource.microsoft.com/codeofconduct/faq/) or contact opencode@microsoft.com with any additional questions or comments.
This is a sample Commit.
[![Build Status](https://dev.azure.com/PacktLearnAzureDevOps/Parts%20Unlimited%20E2E%20-%20GitHub%20Integration/_apis/build/status/amalik99.PartsUnlimitedE2E?branchName=master)]
(https://dev.azure.com/PacktLearnAzureDevOps/Parts%20Unlimited%20E2E%20-%20GitHub%20Integration/_build/latest?definitionId=8&branchName=master)

master PartsUnlimitedE2E / README.md Go to file ...

amalik99 Update README.md Latest commit ee7dee1 6 minutes ago History

2 contributors

7 lines (4 sloc) | 705 Bytes Raw Blame

Contributing

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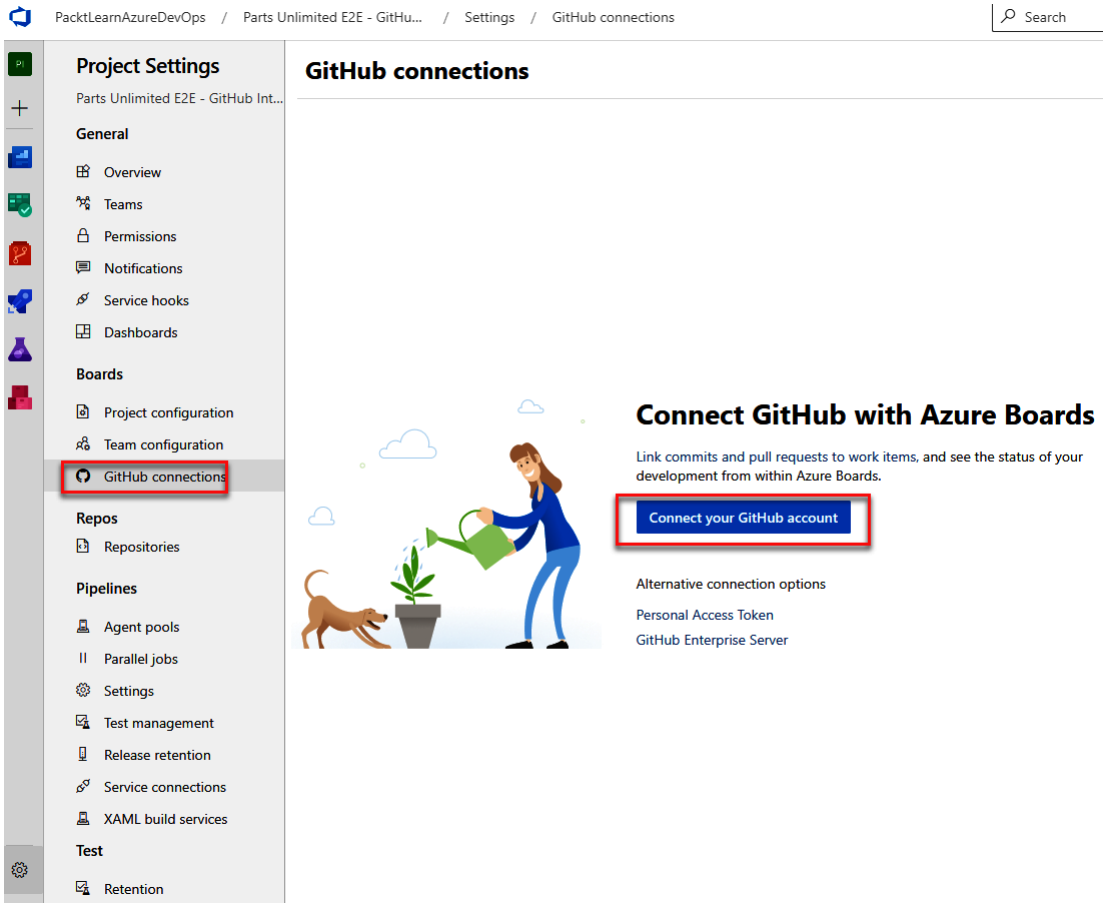
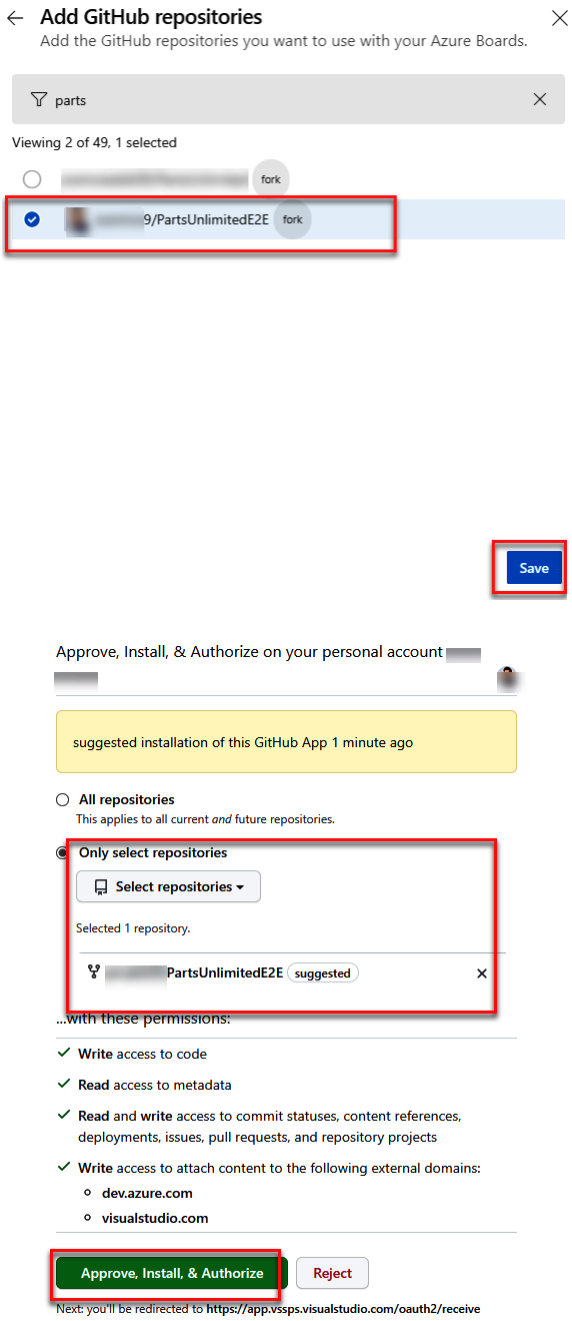
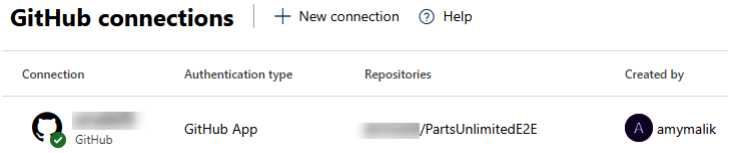
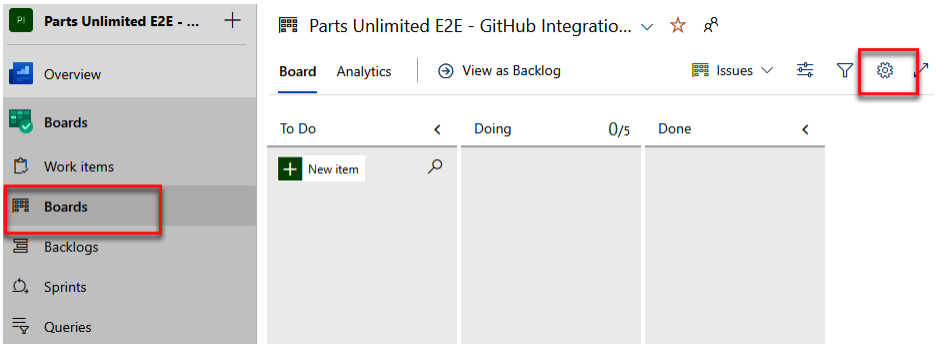
This is a sample Commit.

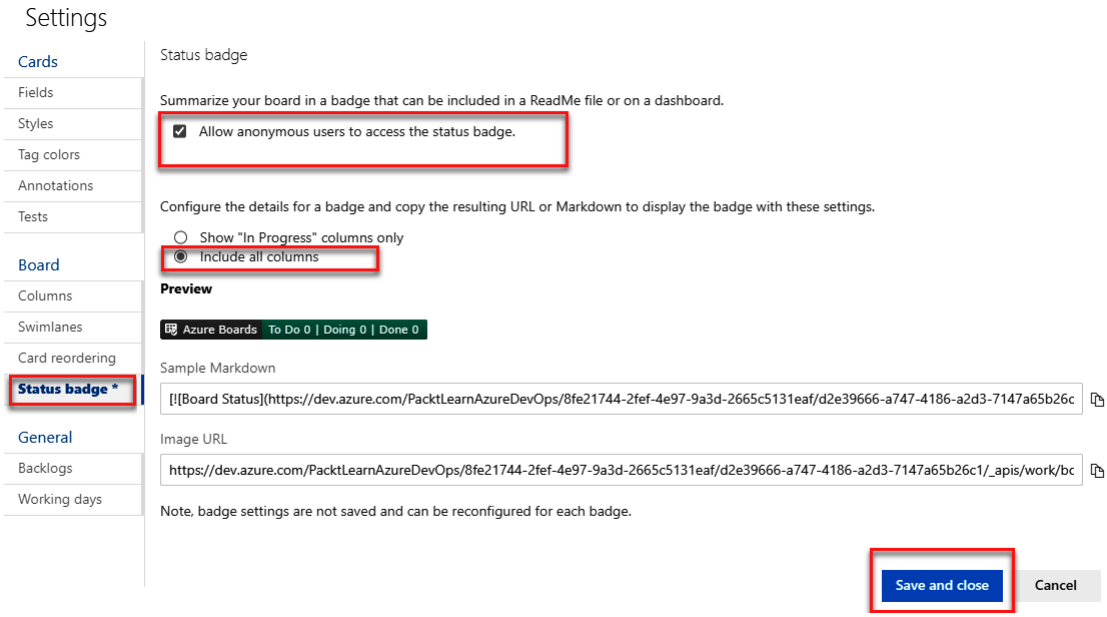
Azure Pipelines succeeded

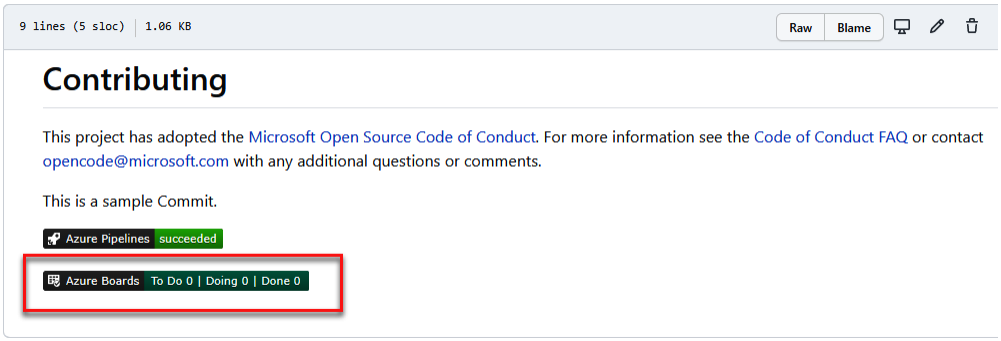


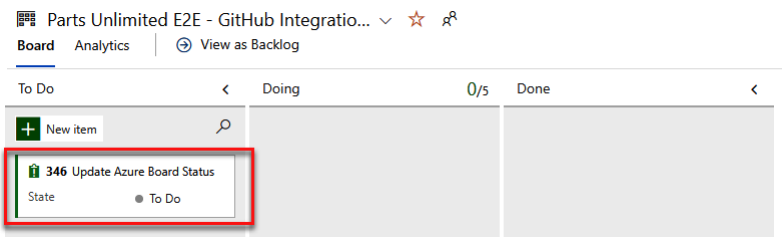

Add GitHub repositories
Add the GitHub repositories you want to use with your Azure Boards.
parts
Viewing 2 of 49, 1 selected
fork
9/PartsUnlimitedE2E
fork
Save
Approve, Install, & Authorize on your personal account
suggested installation of this GitHub App 1 minute ago
All repositories
This applies to all current and future repositories.
Only select repositories
Select repositories
Selected 1 repository.
PartsUnlimitedE2E
suggested
...with these permissions:
Write access to code
Read access to metadata
Read and write access to commit statuses, content references, deployments, issues, pull requests, and repository projects
Write access to attach content to the following external domains:
dev.azure.com
visualstudio.com
Approve, Install, & Authorize
Reject
Next: you'll be redirected to https://app.vssps.visualstudio.com/oauth2/receive

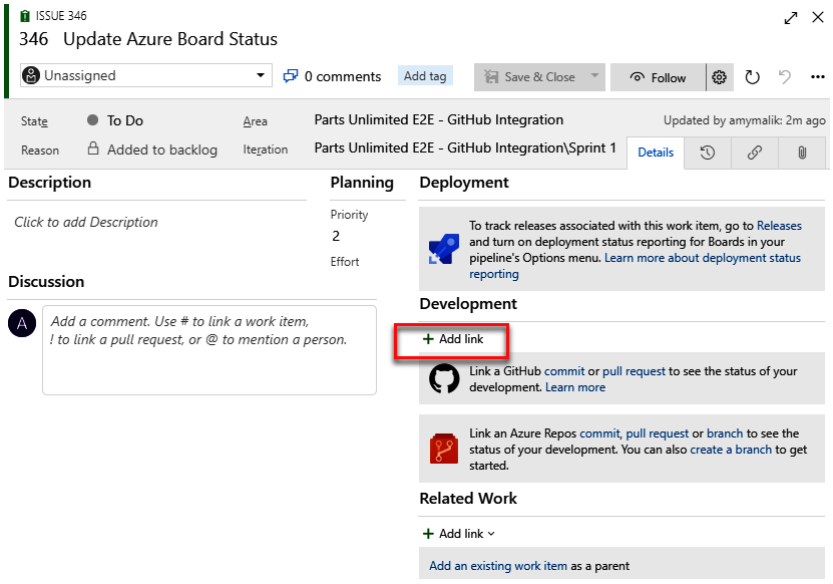

GitHub connections
New connection
Help
Connection
Authentication type
Repositories
Created by
GitHub
GitHub App
/PartsUnlimitedE2E
amymalik

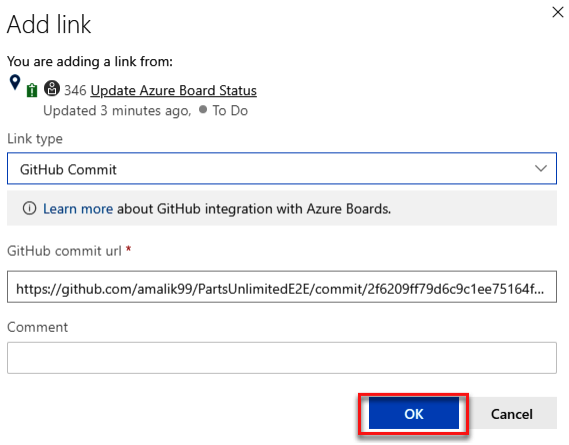

Parts Unlimited E2E - ...
Overview
Boards
Work items
Boards
Backlogs
Sprints
Queries
Parts Unlimited E2E - GitHub Integratio...
Board
Analytics
View as Backlog
Issues
To Do
Doing
0/5
Done
New item

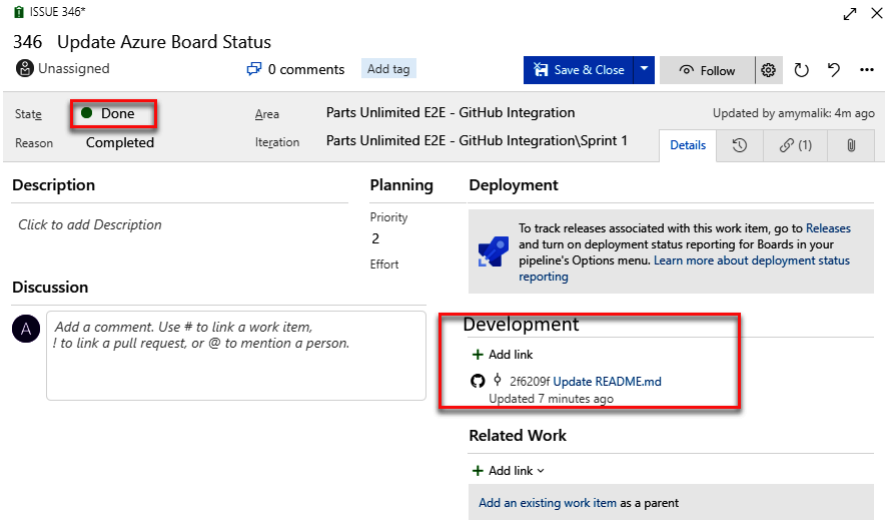

Settings
Cards
Fields
Styles
Tag colors
Annotations
Tests
Board
Columns
Swimlanes
Card reordering
Status badge *
General
Backlogs
Working days
Status badge
Summarize your board in a badge that can be included in a ReadMe file or on a dashboard.
Allow anonymous users to access the status badge.
Configure the details for a badge and copy the resulting URL or Markdown to display the badge with these settings.
Show "In Progress" columns only
Include all columns
Preview
Azure Boards To Do 0 | Doing 0 | Done 0
Sample Markdown
[![Board Status](https://dev.azure.com/PacktLearnAzureDevOps/8fe21744-2fef-4e97-9a3d-2665c5131eaf/d2e39666-a747-4186-a2d3-7147a65b26c
Image URL
https://dev.azure.com/PacktLearnAzureDevOps/8fe21744-2fef-4e97-9a3d-2665c5131eaf/d2e39666-a747-4186-a2d3-7147a65b26c1/_apis/work/bc
Note, badge settings are not saved and can be reconfigured for each badge.
Save and close
Cancel

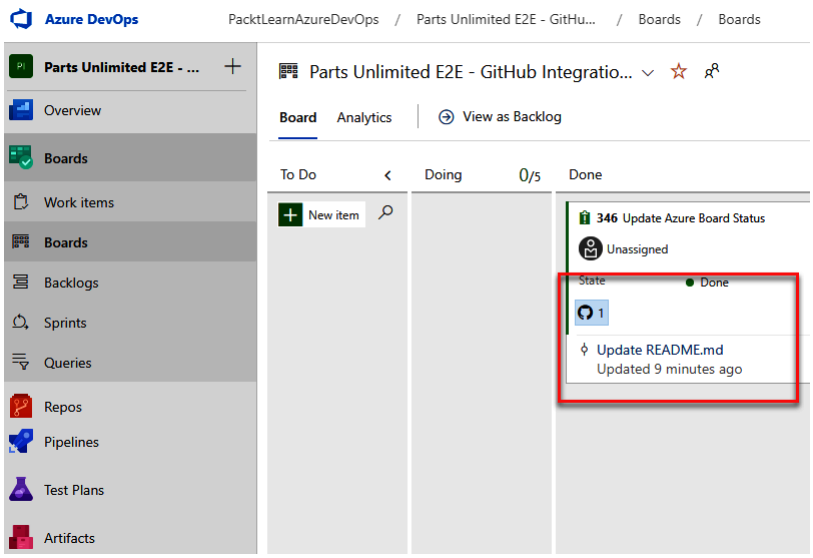

9 lines (5 sloc) | 1.06 KB
Raw
Blame
Contributing
This project has adopted the Microsoft Open Source Code of Conduct. For more information see the Code of Conduct FAQ or contact opencode@microsoft.com with any additional questions or comments.
This is a sample Commit.
Azure Pipelines succeeded
Azure Boards To Do 0 | Doing 0 | Done 0

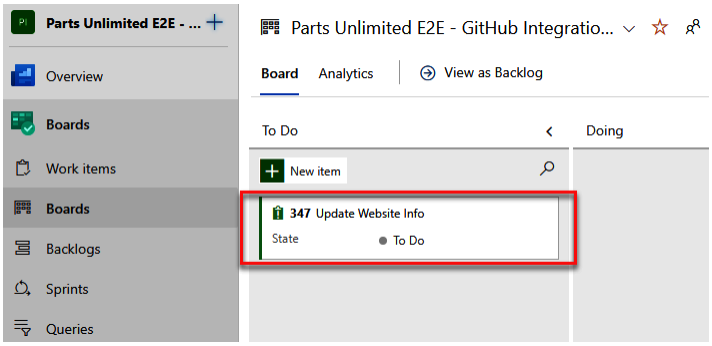

Parts Unlimited E2E - GitHub Integratio...
Board
Analytics
View as Backlog
To Do
Doing
0/5
Done
New item
346 Update Azure Board Status
State
To Do


ISSUE 346
346 Update Azure Board Status
Unassigned
0 comments
Add tag
Save & Close
Follow
State
To Do
Area
Parts Unlimited E2E - GitHub Integration
Updated by amymalik: 2m ago
Reason
Added to backlog
Iteration
Parts Unlimited E2E - GitHub Integration\Sprint 1
Details
Description
Click to add Description
Planning
Priority
2
Effort
Deployment
To track releases associated with this work item, go to Releases and turn on deployment status reporting for Boards in your pipeline's Options menu. Learn more about deployment status reporting
Discussion
Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.
Development
+ Add link
Link a GitHub commit or pull request to see the status of your development. Learn more
Link an Azure Repos commit, pull request or branch to see the status of your development. You can also create a branch to get started.
Related Work
+ Add link
Add an existing work item as a parent


Add link
You are adding a link from:
346 Update Azure Board Status
Updated 3 minutes ago, To Do
Link type
GitHub Commit
Learn more about GitHub integration with Azure Boards.
GitHub commit url *
https://github.com/amalik99/PartsUnlimitedE2E/commit/2f6209ff79d6c9c1ee75164f...
Comment
OK
Cancel

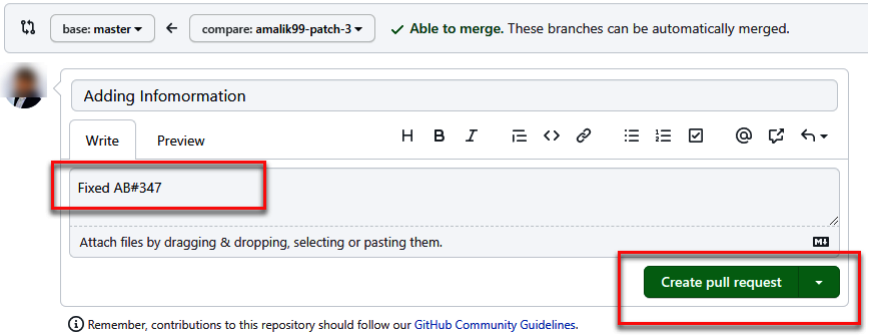

ISSUE 346*
346 Update Azure Board Status
Unassigned
0 comments
Add tag
Save & Close
Follow
State
Done
Area
Parts Unlimited E2E - GitHub Integration
Updated by amymalik: 4m ago
Reason
Completed
Iteration
Parts Unlimited E2E - GitHub Integration\Sprint 1
Details
(1)
Description
Click to add Description
Planning
Priority
2
Effort
Deployment
To track releases associated with this work item, go to Releases and turn on deployment status reporting for Boards in your pipeline's Options menu. Learn more about deployment status reporting
Discussion
Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.
Development
+ Add link
2f6209f Update README.md
Updated 7 minutes ago
Related Work
+ Add link
Add an existing work item as a parent





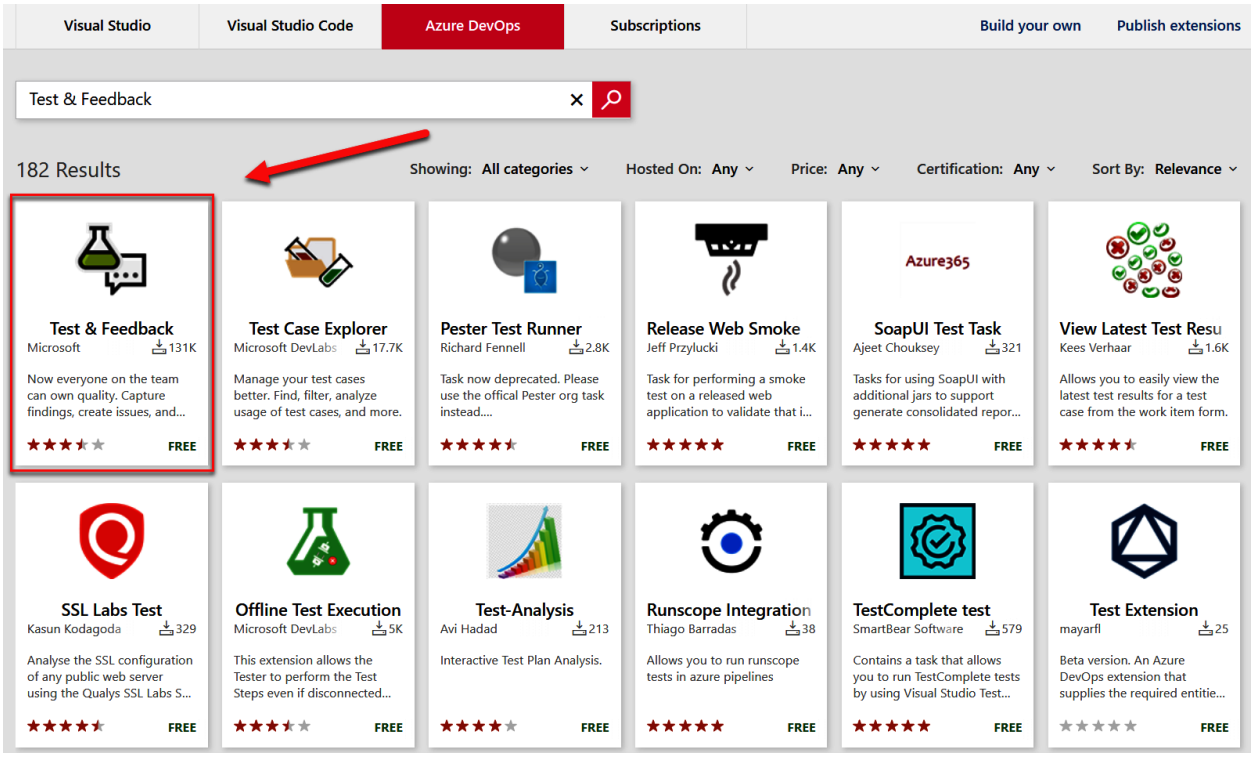
Open a pull request

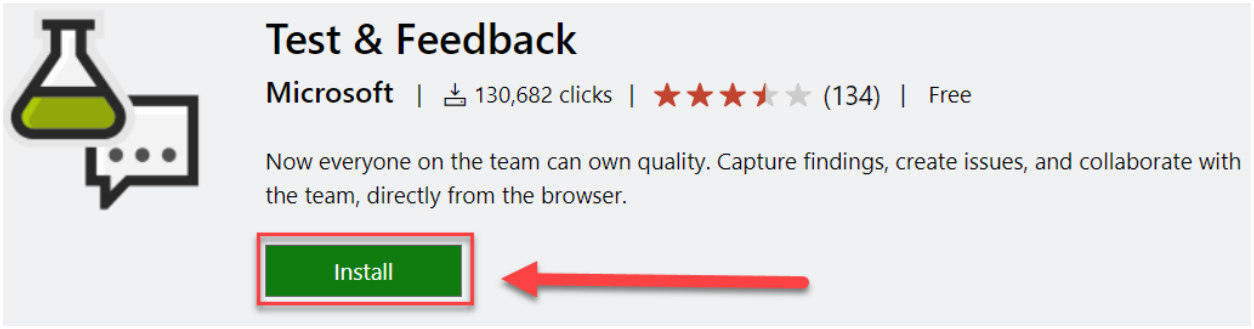
The change you just made was written to a new branch named `amalik99-patch-3`. Create a pull request below to propose these changes.



Sample Commit Message	Action
Fixed AB#123	Links and transitions the work item to the "done" state.
Adds a new feature, fixes AB#123.	Links and transitions the work item to the "done" state.
Fixes AB#123, AB#124, and AB#126	Links to Azure Boards work items 123, 124, and 126. Transitions only the first item, 123,to the "done" state.
Fixes AB#123, Fixes AB#124, and Fixes AB#125	Links to Azure Boards work items 123, 124, and 126. Transitions all items to the "done" state.
Fixing multiple bugs: issue #123 and user story AB#234	Links to GitHub issue 123 and Azure Boards work item 234. No transitions.

Chapter 10: Using Test Plans with Azure DevOps

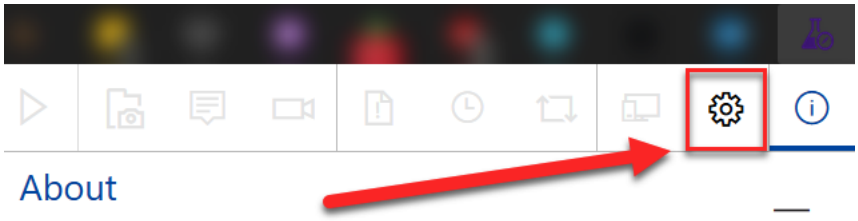




Overview Q & A Rating & Review

***The "Exploratory Testing" extension is now "Test & Feedback"* and is now Generally Available.**

Anyone can now test web apps and give feedback, all directly from the browser on any platform: Windows, Mac, or Linux. Available for Google Chrome and Mozilla Firefox (required version 50.0 or above) currently. Support for Microsoft Edge is in the pipeline and will be enabled after Edge moves to a Chromium-compatible web platform.



About

The Exploratory Testing extension is now Test & Feedback. Learn more.

Test & Feedback

Version : 1.0.170.0

Now everyone on the team can own quality.
Capture findings, create issues, and collaborate with the team, directly from the browser.

Quick demo

Watch the 2-min video to know how the extension works!

Help!

Visit our documentation page to learn more.

Feedback

Have something to share with us? Reach out to us.

Rate us!

Liked the extension? You can rate us!

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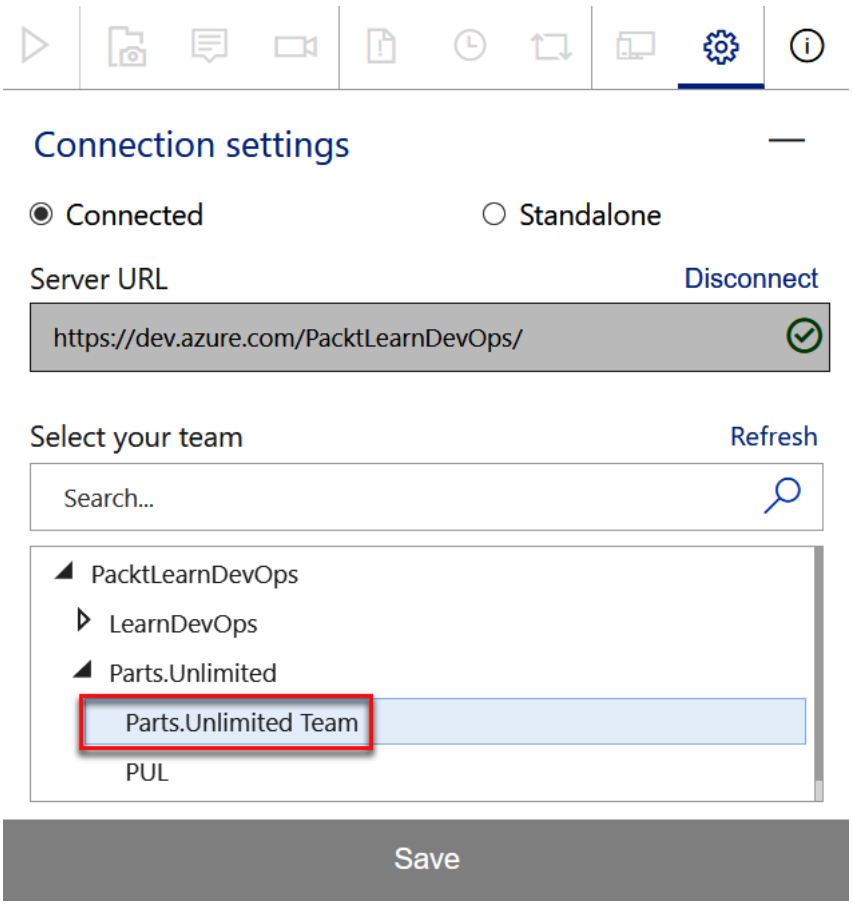
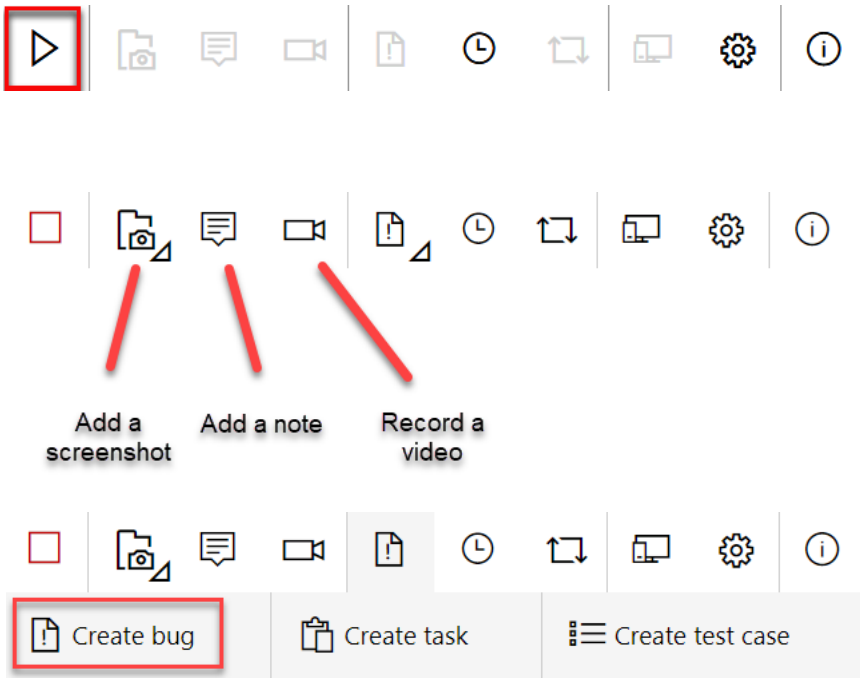
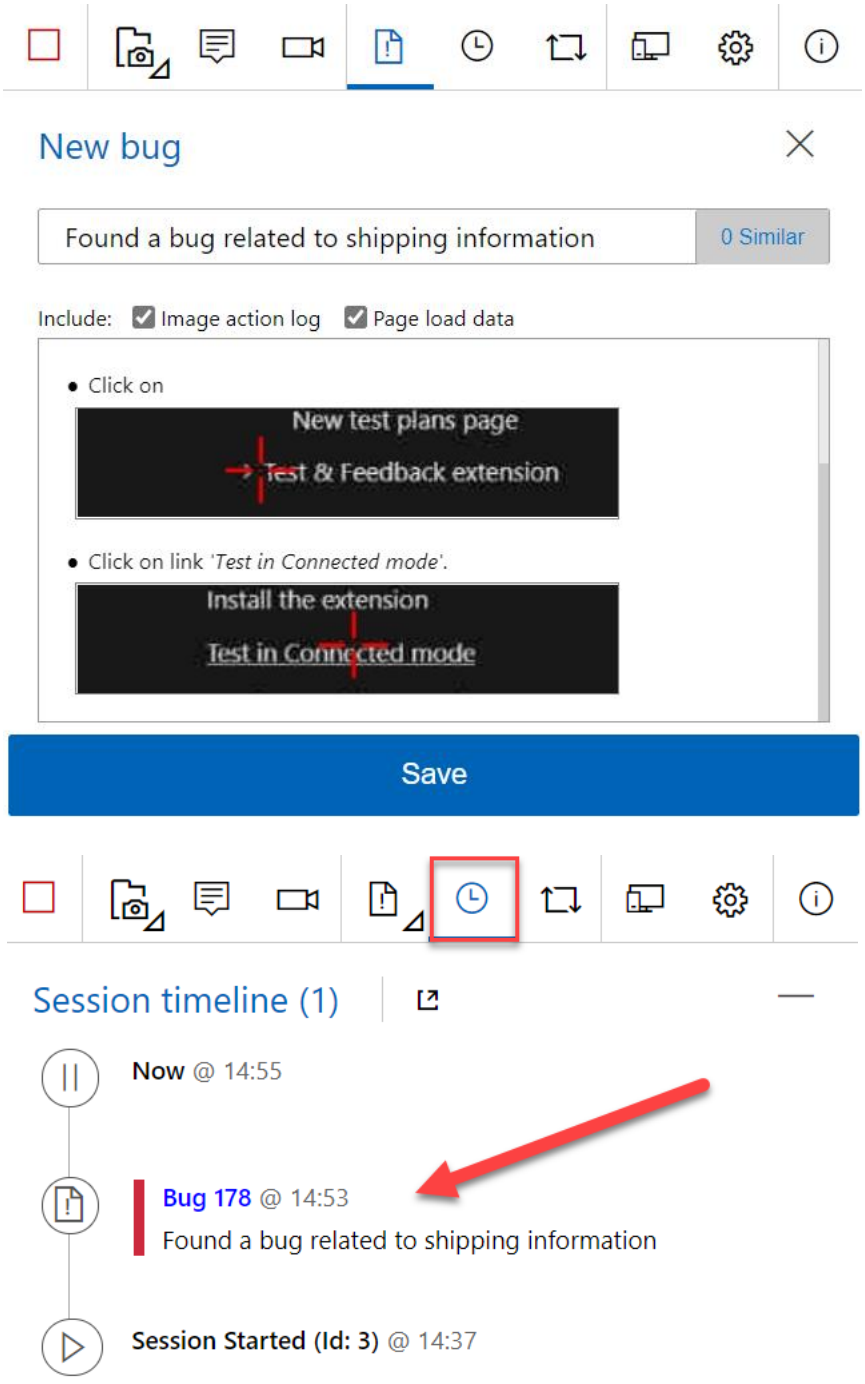
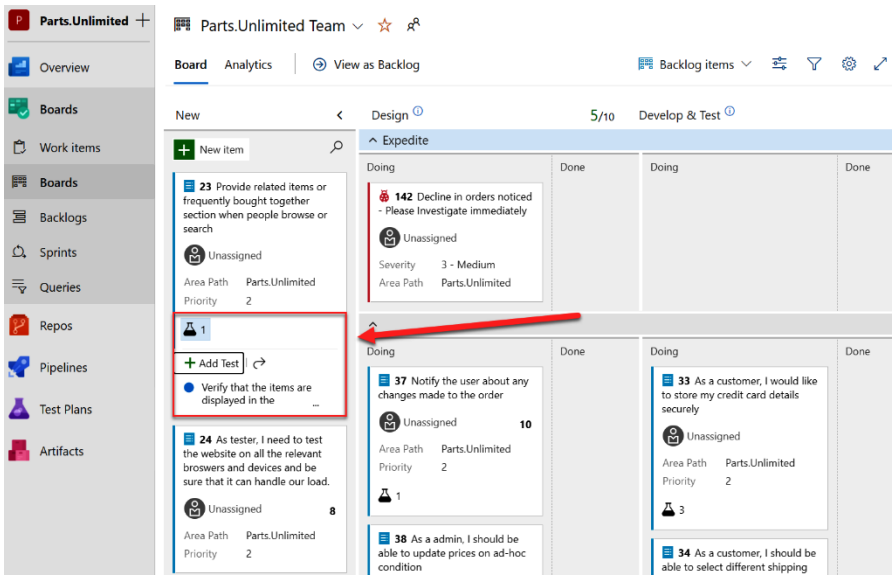
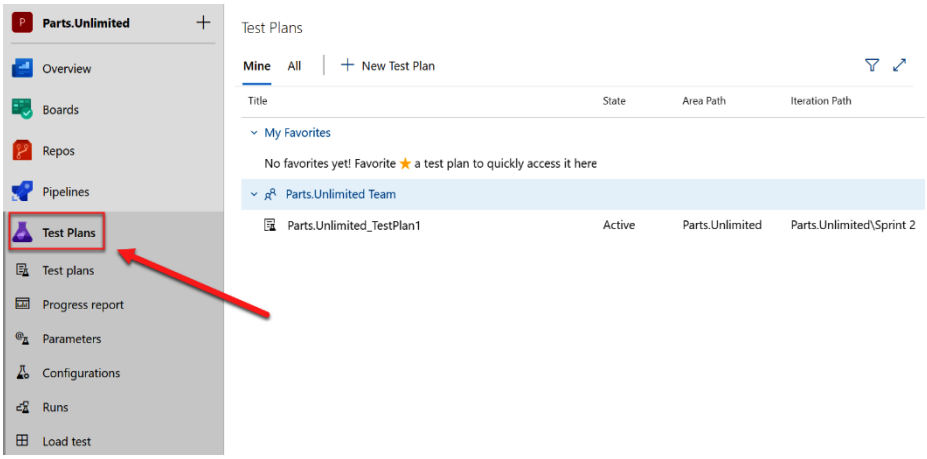
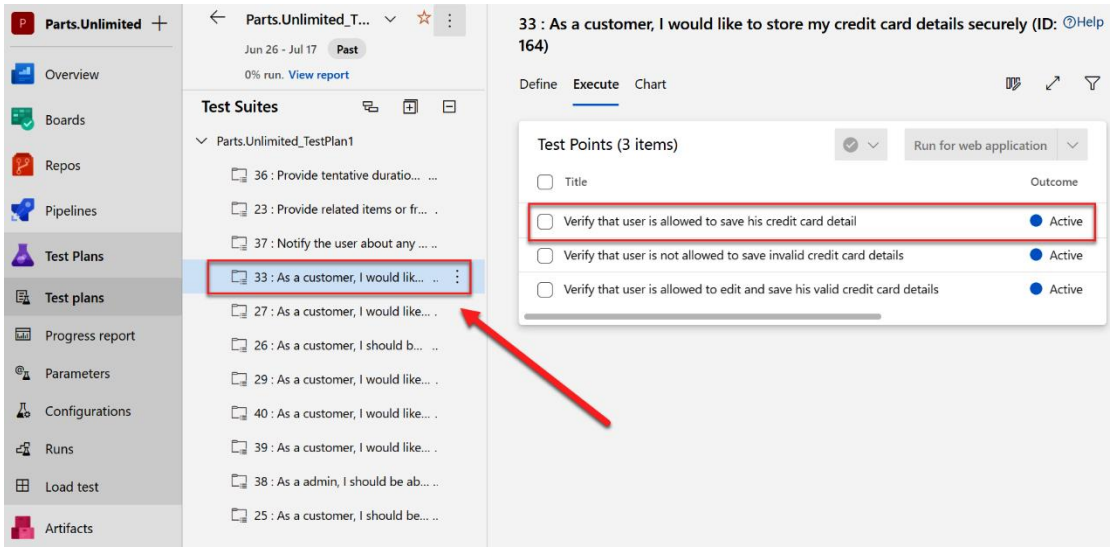

Connection settings
Connected
Standalone
Server URL
Disconnect
https://dev.azure.com/PacktLearnDevOps/
Select your team
Refresh
Search...
PacktLearnDevOps
LearnDevOps
Parts.Unlimited
Parts.Unlimited Team
PUL
Save

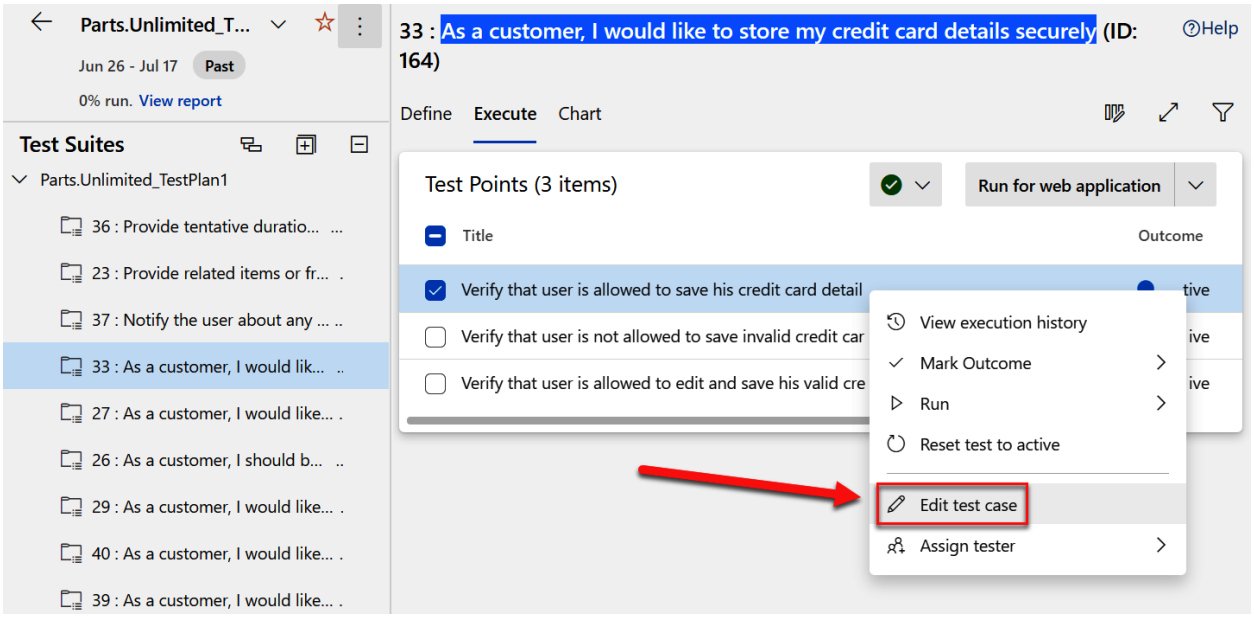

Add a screenshot
Add a note
Record a video
Create bug
Create task
Create test case

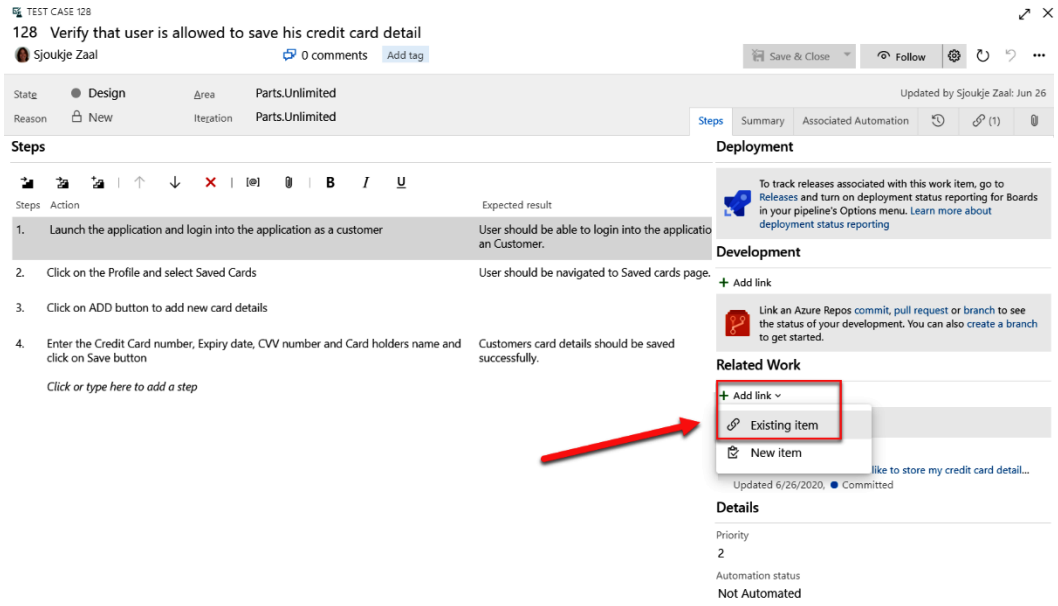

New bug
Found a bug related to shipping information
0 Similar
Include: Image action log Page load data
Click on
New test plans page
Test & Feedback extension
Click on link 'Test in Connected mode'.
Install the extension
Test in Connected mode
Save
Session timeline (1)
Now @ 14:55
Bug 178 @ 14:53
Found a bug related to shipping information
Session Started (Id: 3) @ 14:37

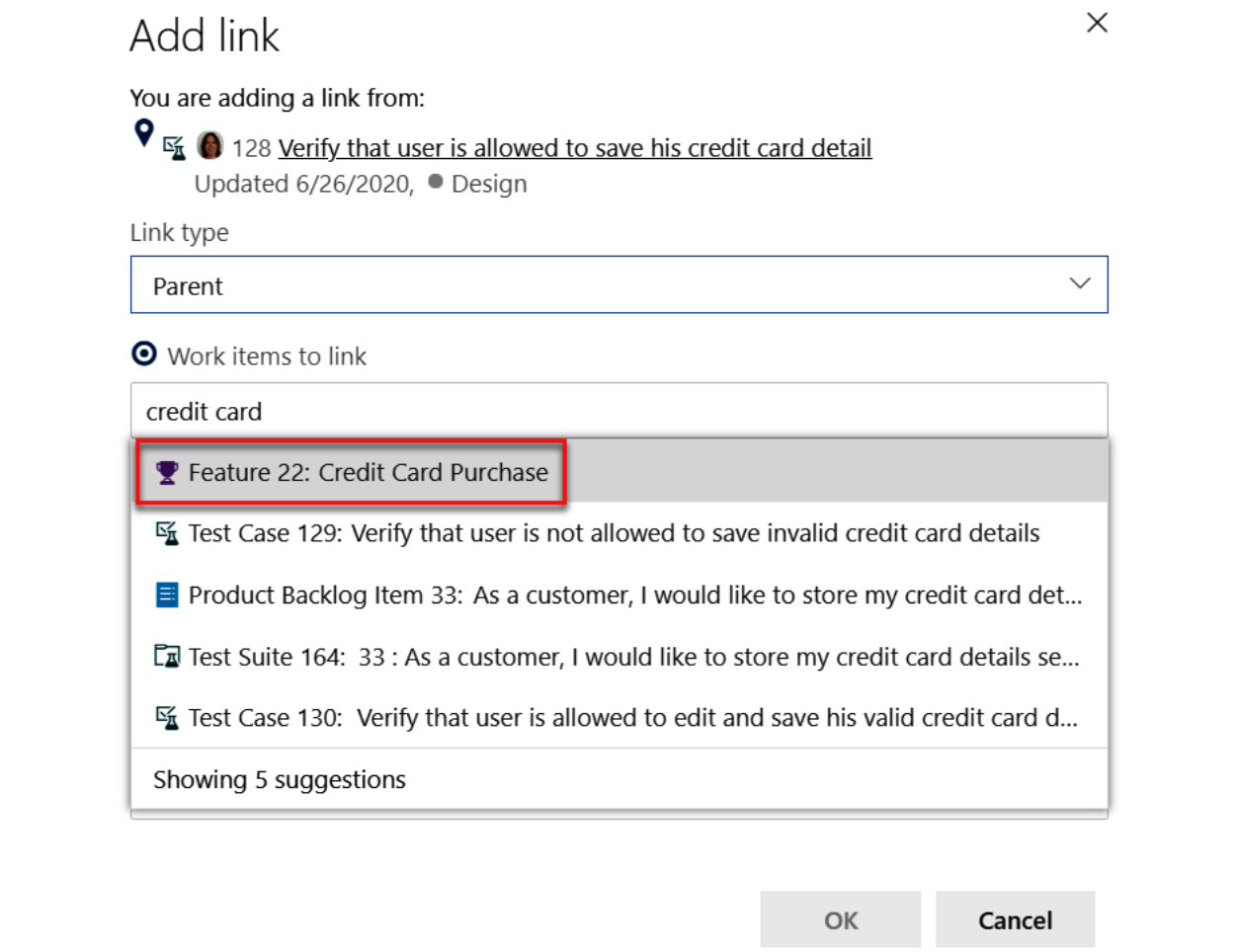

Parts.Unlimited
Parts.Unlimited Team
Overview
Boards
Work items
Boards
Backlogs
Sprints
Queries
Repos
Pipelines
Test Plans
Artifacts
Board
Analytics
View as Backlog
Backlog items
New
Design
5/10
Develop & Test
New item
Expedite
Doing
Done
23 Provide related items or frequently bought together section when people browse or search
Unassigned
Area Path Parts.Unlimited
Priority 2
1
Add Test
Verify that the items are displayed in the
24 As tester, I need to test the website on all the relevant broswers and devices and be sure that it can handle our load.
Unassigned
8
142 Decline in orders noticed - Please Investigate immediately
Unassigned
Severity 3 - Medium
37 Notify the user about any changes made to the order
Unassigned
10
38 As a admin, I should be able to update prices on ad-hoc condition
33 As a customer, I would like to store my credit card details securely
Unassigned
3
34 As a customer, I should be able to select different shipping

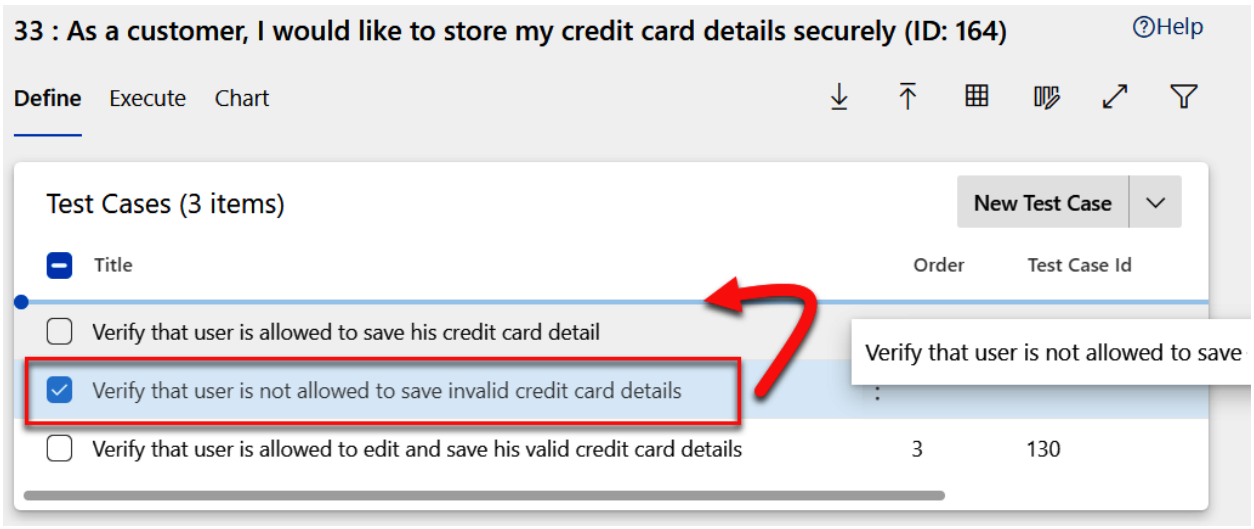

Parts.Unlimited
Overview
Boards
Repos
Pipelines
Test Plans
Test plans
Progress report
Parameters
Configurations
Runs
Load test
Test Plans
Mine
All
New Test Plan
Title
State
Area Path
Iteration Path
My Favorites
No favorites yet! Favorite a test plan to quickly access it here
Parts.Unlimited Team
Parts.Unlimited_TestPlan1
Active
Parts.Unlimited
Parts.Unlimited\Sprint 2

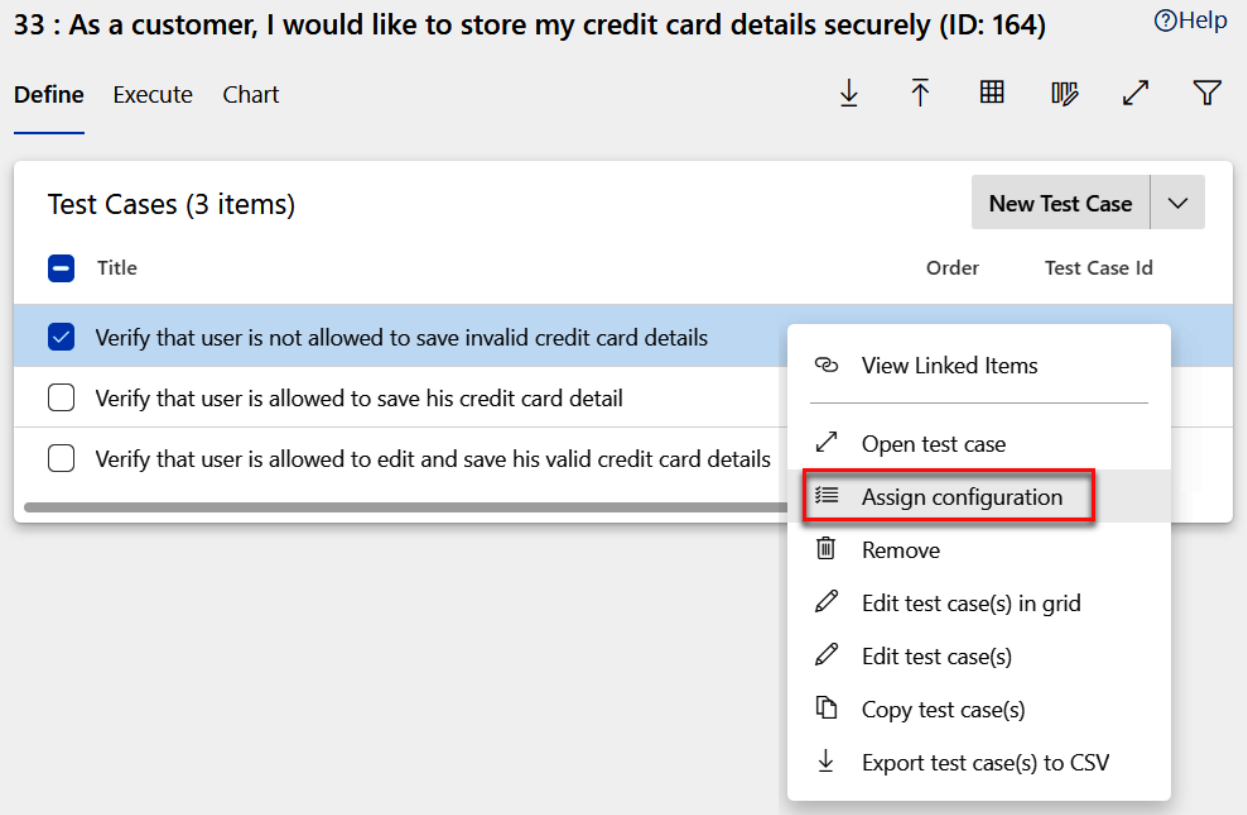

Parts.Unlimited
Overview
Boards
Repos
Pipelines
Test Plans
Test plans
Progress report
Parameters
Configurations
Runs
Load test
Artifacts
Parts.Unlimited_T...
Jun 26 - Jul 17
Past
0% run. View report
Test Suites
Parts.Unlimited_TestPlan1
36 : Provide tentative duratio...
23 : Provide related items or fr...
37 : Notify the user about any ...
33 : As a customer, I would lik...
27 : As a customer, I would like...
26 : As a customer, I should b...
29 : As a customer, I would like...
40 : As a customer, I would like...
39 : As a customer, I would like...
38 : As a admin, I should be ab...
25 : As a customer, I should be...
33 : As a customer, I would like to store my credit card details securely (ID: 164)
Help
Define
Execute
Chart
Test Points (3 items)
Run for web application
Title
Outcome
Verify that user is allowed to save his credit card detail
Active
Verify that user is not allowed to save invalid credit card details
Active
Verify that user is allowed to edit and save his valid credit card details
Active

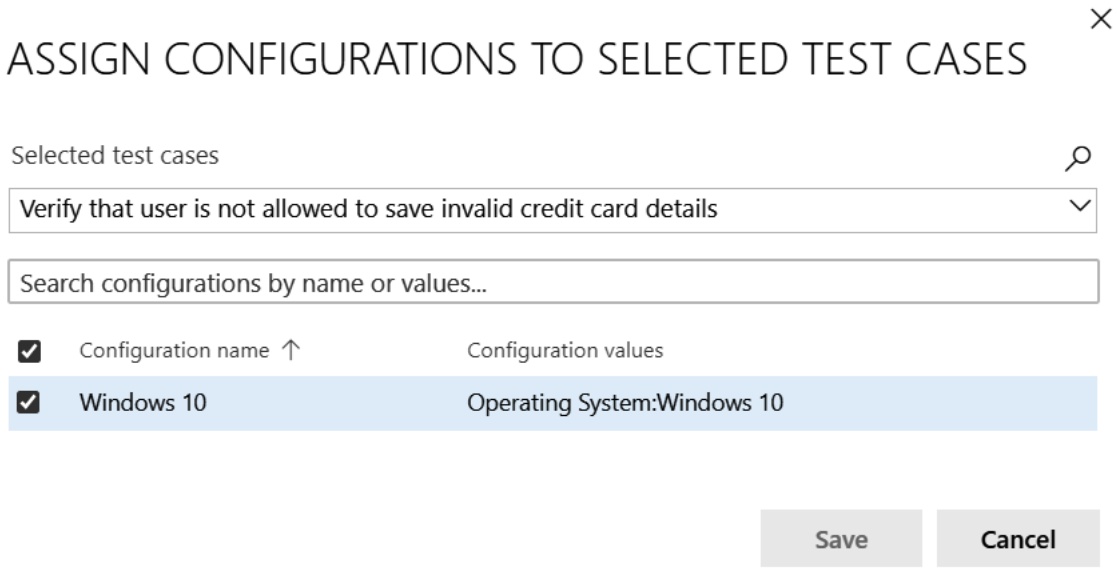

Parts.Unlimited_T...
Jun 26 - Jul 17
Past
0% run. View report
Test Suites
Parts.Unlimited_TestPlan1
36 : Provide tentative duratio...
23 : Provide related items or fr...
37 : Notify the user about any ...
33 : As a customer, I would lik...
27 : As a customer, I would like...
26 : As a customer, I should b...
29 : As a customer, I would like...
40 : As a customer, I would like...
39 : As a customer, I would like...
33 : As a customer, I would like to store my credit card details securely (ID: 164)
Help
Define
Execute
Chart
Test Points (3 items)
Run for web application
Title
Outcome
Verify that user is allowed to save his credit card detail
Verify that user is not allowed to save invalid credit car
Verify that user is allowed to edit and save his valid cre
View execution history
Mark Outcome
Run
Reset test to active
Edit test case
Assign tester

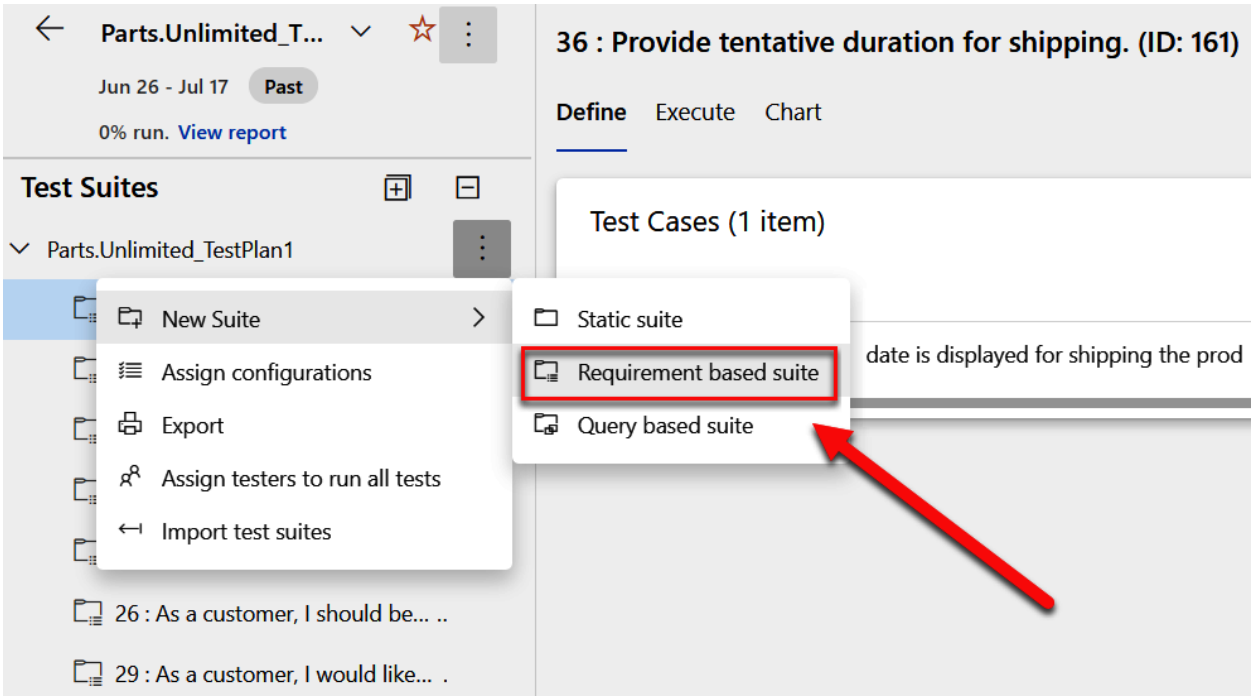

TEST CASE 128
128 Verify that user is allowed to save his credit card detail
Sjoukje Zaal
0 comments
Add tag
Save & Close
Follow
State Design
Reason New
Area Parts.Unlimited
Iteration Parts.Unlimited
Updated by Sjoukje Zaal: Jun 26
Steps
Summary
Associated Automation
Steps
Steps Action
Expected result
1. Launch the application and login into the application as a customer
User should be able to login into the applicatio an Customer.
2. Click on the Profile and select Saved Cards
User should be navigated to Saved cards page.
3. Click on ADD button to add new card details
4. Enter the Credit Card number, Expiry date, CVV number and Card holders name and click on Save button
Customers card details should be saved successfully.
Click or type here to add a step
Deployment
To track releases associated with this work item, go to Releases and turn on deployment status reporting for Boards in your pipeline's Options menu. Learn more about deployment status reporting
Development
Add link
Link an Azure Repos commit, pull request or branch to see the status of your development. You can also create a branch to get started.
Related Work
Add link
Existing item
New item
like to store my credit card detail...
Updated 6/26/2020, Committed
Details
Priority
2
Automation status
Not Automated


Add link
You are adding a link from:
128 Verify that user is allowed to save his credit card detail
Updated 6/26/2020, Design
Link type
Parent
Work items to link
credit card
Feature 22: Credit Card Purchase
Test Case 129: Verify that user is not allowed to save invalid credit card details
Product Backlog Item 33: As a customer, I would like to store my credit card det...
Test Suite 164: 33 : As a customer, I would like to store my credit card details se...
Test Case 130: Verify that user is allowed to edit and save his valid credit card d...
Showing 5 suggestions
OK
Cancel


33 : As a customer, I would like to store my credit card details securely (ID: 164)
Help
Define
Execute
Chart
Test Cases (3 items)
New Test Case
Title
Order
Test Case Id
Verify that user is allowed to save his credit card detail
Verify that user is not allowed to save invalid credit card details
Verify that user is allowed to edit and save his valid credit card details
3
130
Verify that user is not allowed to save


33 : As a customer, I would like to store my credit card details securely (ID: 164)
Help
Define
Execute
Chart
Test Cases (3 items)
New Test Case
Title
Order
Test Case Id
Verify that user is not allowed to save invalid credit card details
Verify that user is allowed to save his credit card detail
Verify that user is allowed to edit and save his valid credit card details
View Linked Items
Open test case
Assign configuration
Remove
Edit test case(s) in grid
Edit test case(s)
Copy test case(s)
Export test case(s) to CSV


ASSIGN CONFIGURATIONS TO SELECTED TEST CASES
Selected test cases
Verify that user is not allowed to save invalid credit card details
Search configurations by name or values...
Configuration name
Configuration values
Windows 10
Operating System:Windows 10
Save
Cancel


Parts.Unlimited_T...
Jun 26 - Jul 17
Past
0% run. View report
Test Suites
Parts.Unlimited_TestPlan1
New Suite
Assign configurations
Export
Assign testers to run all tests
Import test suites
Static suite
Requirement based suite
Query based suite
26 : As a customer, I should be... ..
29 : As a customer, I would like... .
36 : Provide tentative duration for shipping. (ID: 161)
Define
Execute
Chart
Test Cases (1 item)
date is displayed for shipping the prod

CREATE REQUIREMENT-BASED SUITES

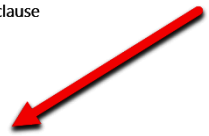
Type of query: Flat list of work items

Query across projects

Filters for top level work items

And/Or	Field*	Operator	Value
	Work Item Type	In Group	Microsoft.RequirementCategory
And	Area Path	Under	Parts.Unlimited

+ Add new clause

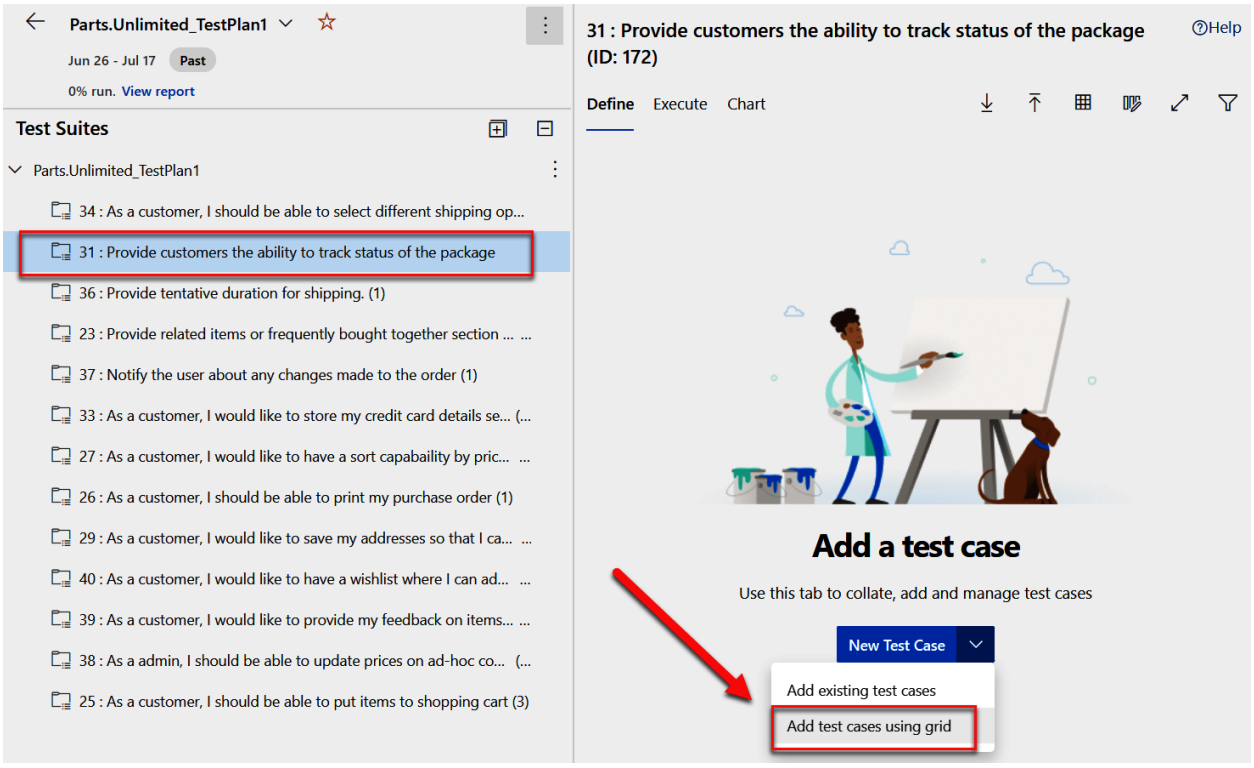


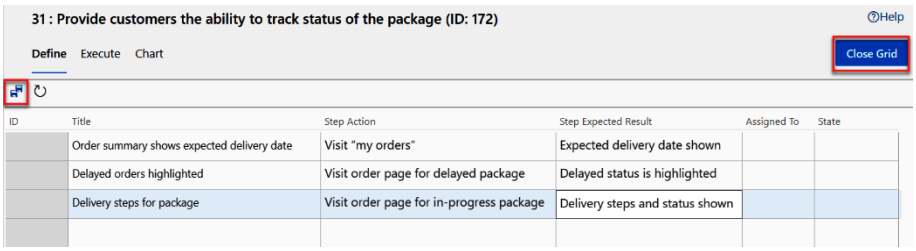
Run query

ID	Work Item...	Title	Priority	Assigned To	Area Path
24	Product B...	As tester, I need to test the website on all the relevant broswers and devices and be sure ...	2		Parts.Unlimited
25	Product B...	As a customer, I should be able to put items to shopping cart	2		Parts.Unlimited
26	Product B...	As a customer, I should be able to print my purchase order	2		Parts.Unlimited
27	Product B...	As a customer, I would like to have a sort capabaility by price and customer ratings	1		Parts.Unlimited
28	Product B...	Recommended products must be based on customer purchase pattern history	2		Parts.Unlimited
29	Product B...	As a customer, I would like to save my addresses so that I can easily select the address fo...	2		Parts.Unlimited
30	Product B...	As marketer, I want to run an A|B test on alternative Web Sites using Application Insights.	2		Parts.Unlimited
31	Product B...	Provide customers the ability to track status of the package	2	craig109@outlook...	Parts.Unlimited
32	Product B...	As a customer, I would like to have the ability to send my items as gift	2	Sjoukje Zaal	Parts.Unlimited
33	Product B...	As a customer, I would like to store my credit card details securely	2		Parts.Unlimited
34	Product B...	As a customer, I should be able to select different shipping option	1		Parts.Unlimited
35	Product B...	As developer, I want to use Azure Machine Learning to provide a recommendations engi...	1		Parts.Unlimited
36	Product B...	Provide tentative duration for shipping.	2		Parts.Unlimited
37	Product B...	Notify the user about any changes made to the order	2		Parts.Unlimited
38	Product B...	As a admin, I should be able to update prices on ad-hoc condition	2		Parts.Unlimited
39	Product B...	As a customer, I would like to provide my feedback on items that I have purchased	2		Parts.Unlimited
40	Product B...	As a customer, I would like to have a wishlist where I can add items for future purchase	1		Parts.Unlimited

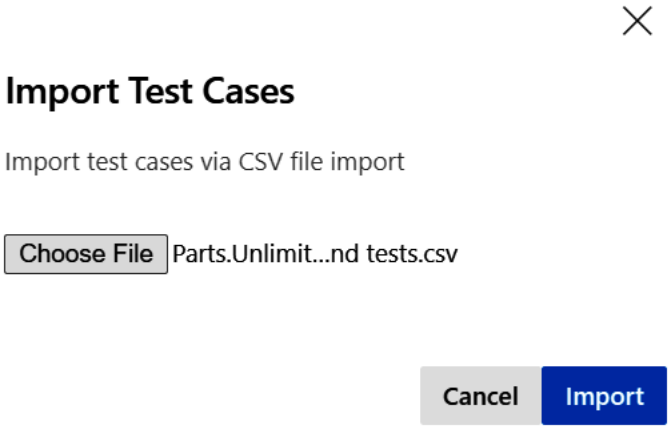
18 work items (1 selected)

Create suites | Cancel


Parts.Unlimited_TestPlan1
Jun 26 - Jul 17
Past
0% run. View report
Test Suites
Parts.Unlimited_TestPlan1
34 : As a customer, I should be able to select different shipping op...
31 : Provide customers the ability to track status of the package
36 : Provide tentative duration for shipping. (1)
23 : Provide related items or frequently bought together section ...
37 : Notify the user about any changes made to the order (1)
33 : As a customer, I would like to store my credit card details se...
27 : As a customer, I would like to have a sort capabaility by pric...
26 : As a customer, I should be able to print my purchase order (1)
29 : As a customer, I would like to save my addresses so that I ca...
40 : As a customer, I would like to have a wishlist where I can ad...
39 : As a customer, I would like to provide my feedback on items...
38 : As a admin, I should be able to update prices on ad-hoc co...
25 : As a customer, I should be able to put items to shopping cart (3)
31 : Provide customers the ability to track status of the package (ID: 172)
Help
Define
Execute
Chart
Add a test case
Use this tab to collate, add and manage test cases
New Test Case
Add existing test cases
Add test cases using grid


31 : Provide customers the ability to track status of the package (ID: 172)
Help
Define
Execute
Chart
Close Grid
ID
Title
Step Action
Step Expected Result
Assigned To
State
Order summary shows expected delivery date
Visit "my orders"
Expected delivery date shown
Delayed orders highlighted
Visit order page for delayed package
Delayed status is highlighted
Delivery steps for package
Visit order page for in-progress package
Delivery steps and status shown

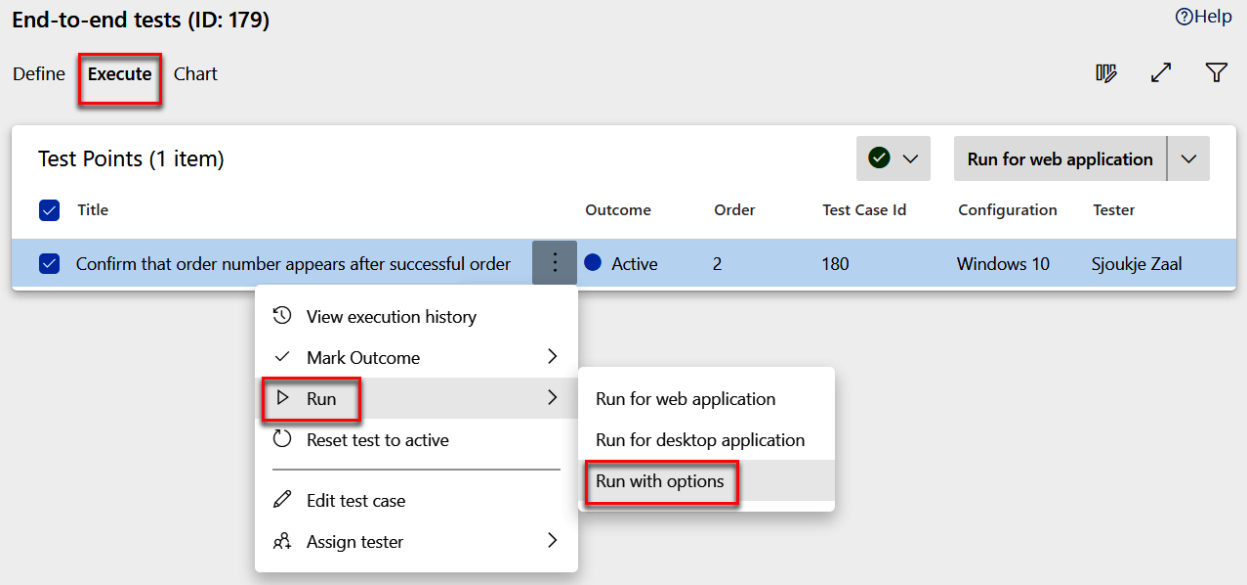
End-to-end tests (ID: 179)
Help
Define
Execute
Chart

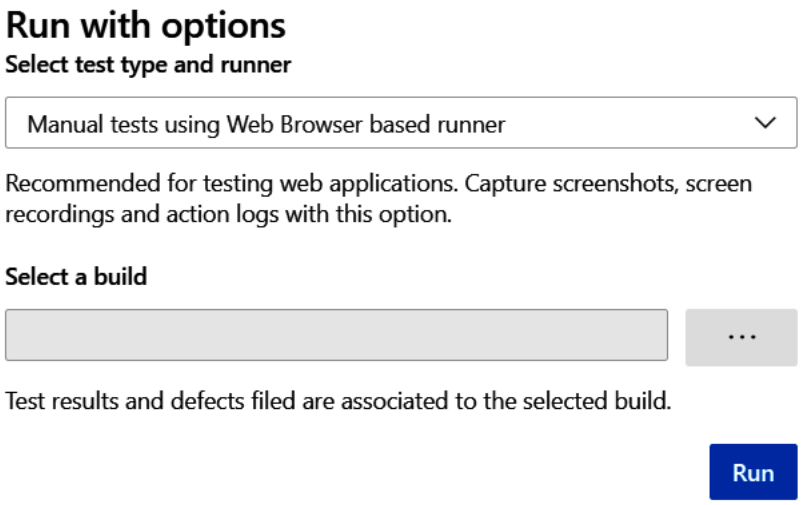

Import Test Cases
Import test cases via CSV file import
Choose File
Parts.Unlimit...nd tests.csv
Cancel
Import

Parameter values

Add a shared parameter set | Convert to shared parameters

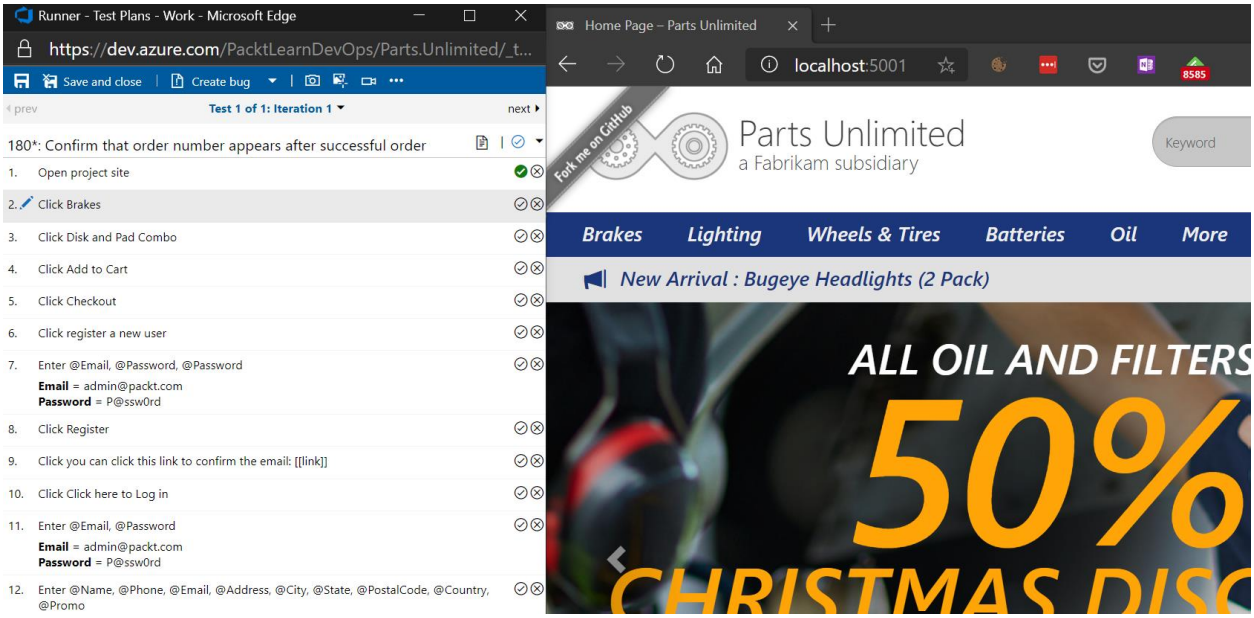
Email	Password	Name	Phone	Address	City	State	PostalCode	Country	Promo
admin@packt.com	P@ssw0rd	Admin User	425-555-1234	One Packt Way	Redmond	NH	98052	USA	FREE
sjoukje@packt.com	P@ssw0rd	Sjoukje Zaal	555-555-5555	Amsterdam Square	Springfield	UT	11135	USA	FREE

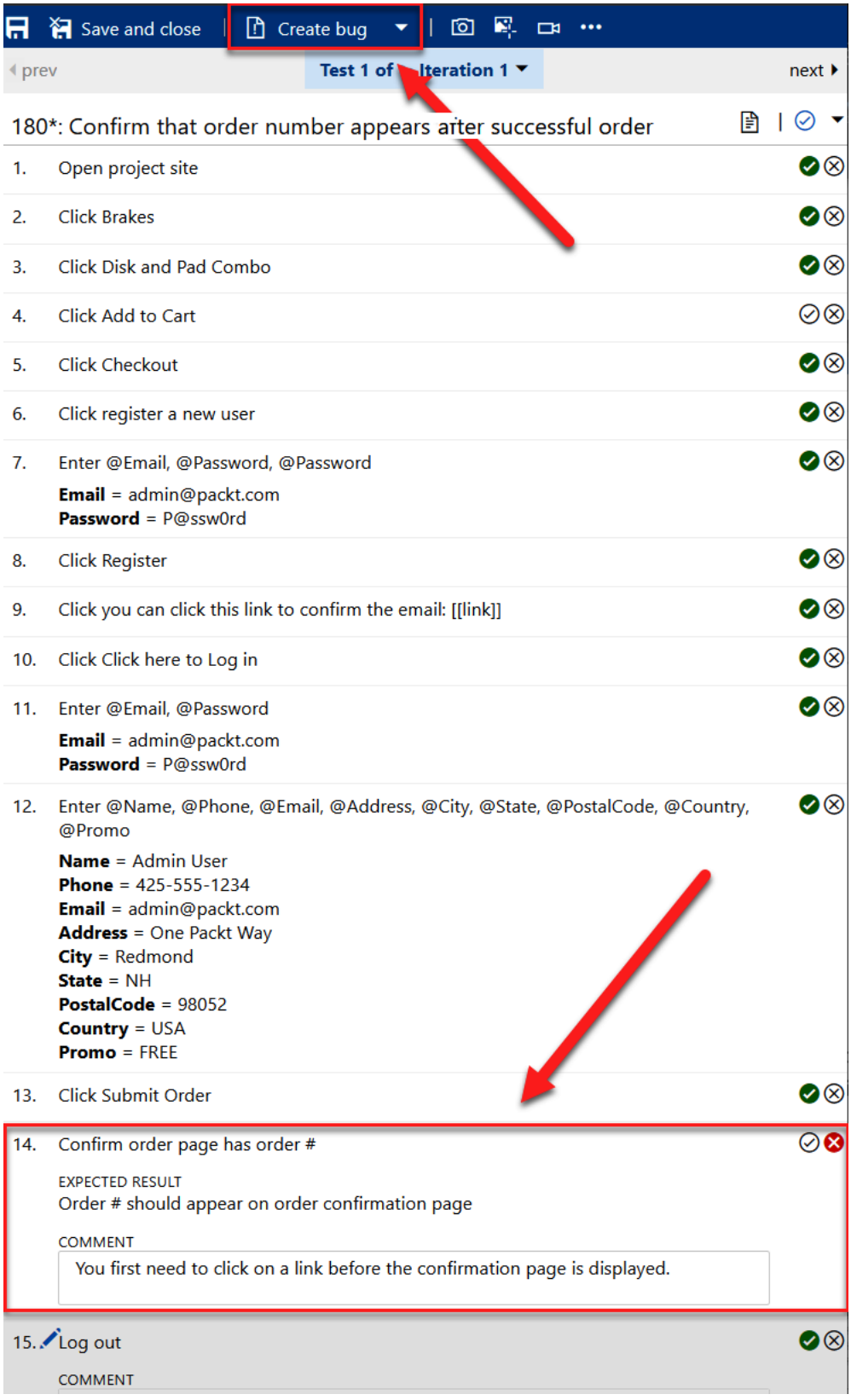


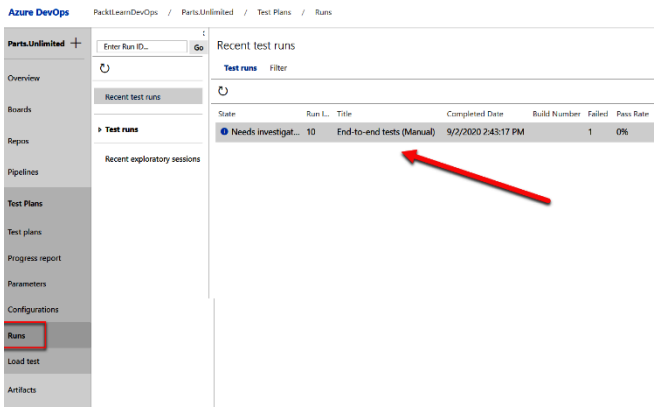


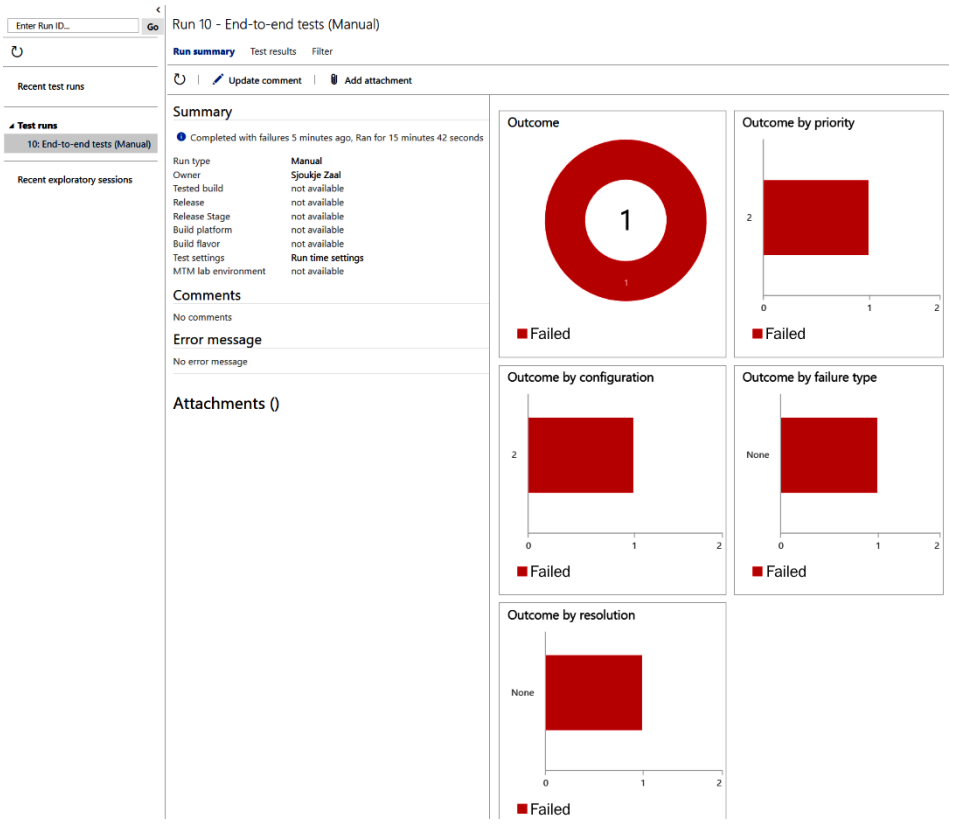
180: Confirm that order number appears after successful order

1.	Open project site	
2.	Click Brakes	
3.	Click Disk and Pad Combo	
4.	Click Add to Cart	
5.	Click Checkout	
6.	Click register a new user	
7.	Enter @Email, @Password, @Password **Email** = admin@packt.com **Password** = P@ssw0rd	
8.	Click Register	
9.	Click you can click this link to confirm the email: [[link]]	
10.	Click Click here to Log in	
11.	Enter @Email, @Password **Email** = admin@packt.com **Password** = P@ssw0rd	
12.	Enter @Name, @Phone, @Email, @Address, @City, @State, @PostalCode, @Country, @Promo **Name** = Admin User **Phone** = 425-555-1234 **Email** = admin@packt.com **Address** = One Packt Way **City** = Redmond **State** = NH **PostalCode** = 98052 **Country** = USA **Promo** = FREE	
13.	Click Submit Order	
14.	Confirm order page has order # EXPECTED RESULT Order # should appear on order confirmation page	
15.	Log out	

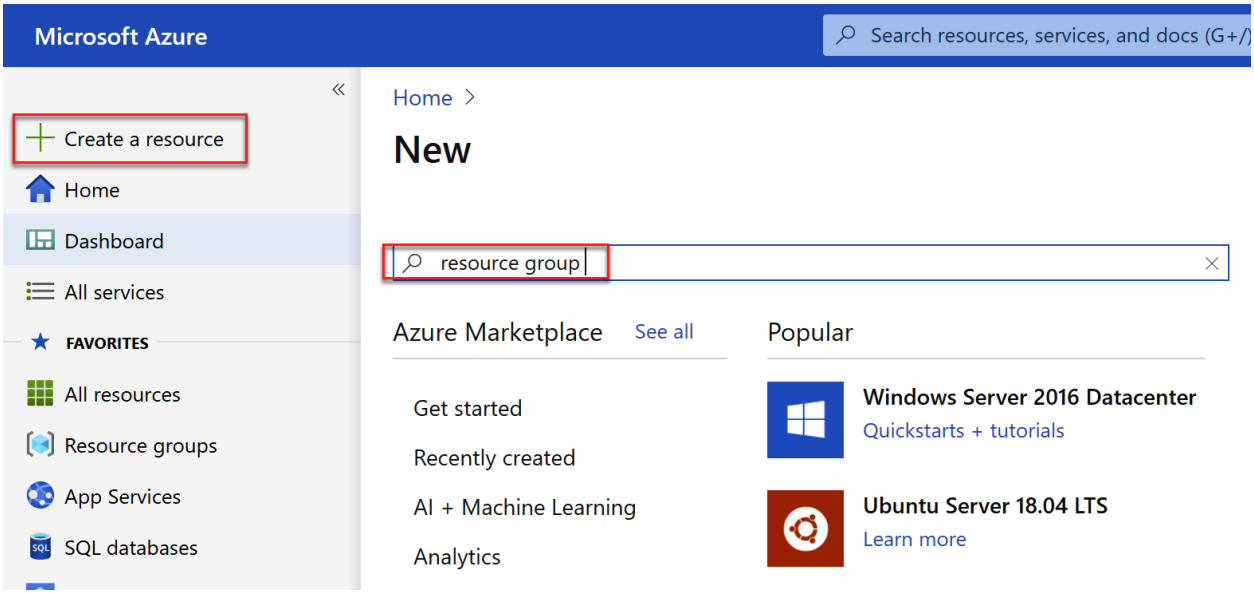

Runner - Test Plans - Work - Microsoft Edge
https://dev.azure.com/PacktLearnDevOps/Parts.Unlimited/_t...
Save and close
Create bug
prev
Test 1 of 1: Iteration 1
next
180*: Confirm that order number appears after successful order
1. Open project site
2. Click Brakes
3. Click Disk and Pad Combo
4. Click Add to Cart
5. Click Checkout
6. Click register a new user
7. Enter @Email, @Password, @Password
Email = admin@packt.com
Password = P@ssw0rd
8. Click Register
9. Click you can click this link to confirm the email: [[link]]
10. Click Click here to Log in
11. Enter @Email, @Password
Email = admin@packt.com
Password = P@ssw0rd
12. Enter @Name, @Phone, @Email, @Address, @City, @State, @PostalCode, @Country, @Promo
Home Page – Parts Unlimited
localhost:5001
Fork me on GitHub
Parts Unlimited
a Fabrikam subsidiary
Keyword
Brakes
Lighting
Wheels & Tires
Batteries
Oil
More
New Arrival : Bugeye Headlights (2 Pack)
ALL OIL AND FILTERS
50%
CHRISTMAS DISC

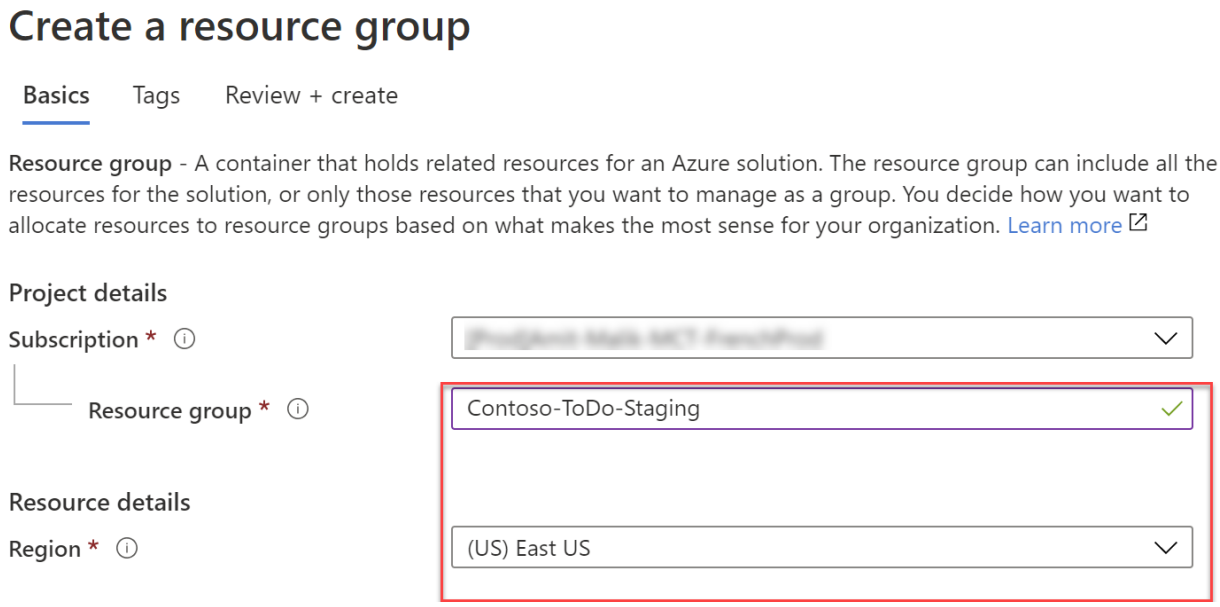

Save and close
Create bug
prev
Test 1 of
Iteration 1
next
180*: Confirm that order number appears after successful order
1. Open project site
2. Click Brakes
3. Click Disk and Pad Combo
4. Click Add to Cart
5. Click Checkout
6. Click register a new user
7. Enter @Email, @Password, @Password
Email = admin@packt.com
Password = P@ssw0rd
8. Click Register
9. Click you can click this link to confirm the email: [[link]]
10. Click Click here to Log in
11. Enter @Email, @Password
Email = admin@packt.com
Password = P@ssw0rd
12. Enter @Name, @Phone, @Email, @Address, @City, @State, @PostalCode, @Country, @Promo
Name = Admin User
Phone = 425-555-1234
Email = admin@packt.com
Address = One Packt Way
City = Redmond
State = NH
PostalCode = 98052
Country = USA
Promo = FREE
13. Click Submit Order
14. Confirm order page has order #
EXPECTED RESULT
Order # should appear on order confirmation page
COMMENT
You first need to click on a link before the confirmation page is displayed.
15. Log out
COMMENT

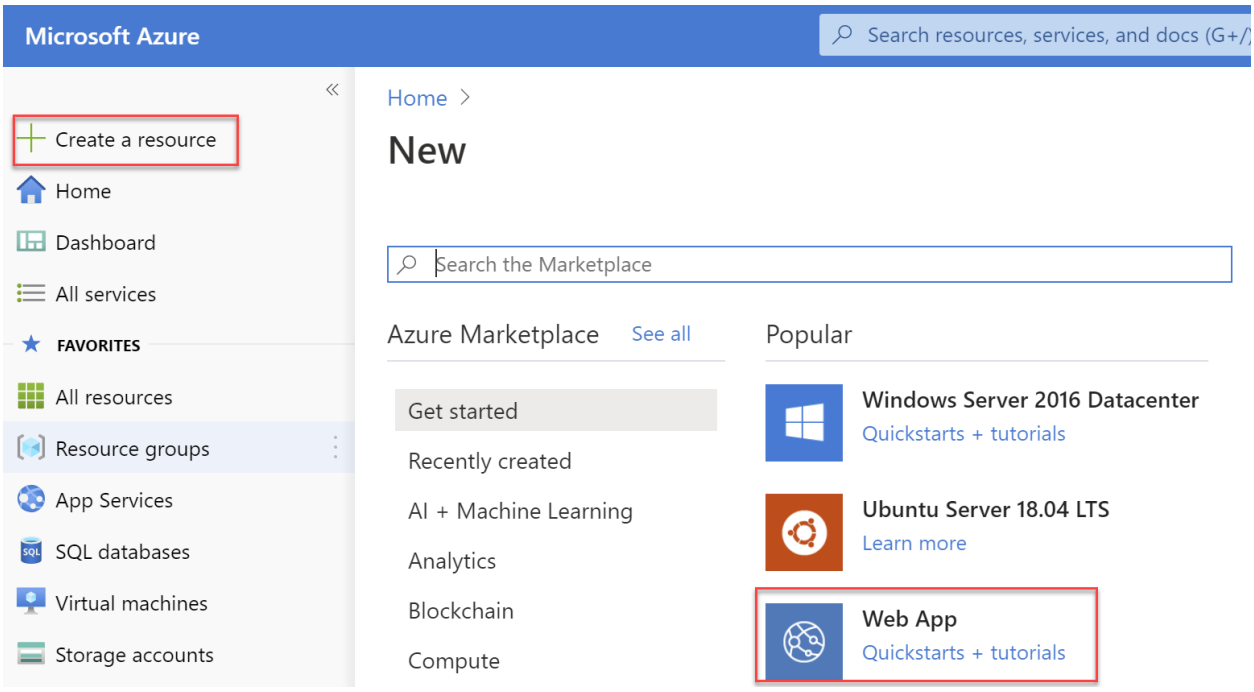

Azure DevOps
PacktLearnDevOps / Parts.Unlimited / Test Plans / Runs
Parts.Unlimited
Overview
Boards
Repos
Pipelines
Test Plans
Test plans
Progress report
Parameters
Configurations
Runs
Load test
Artifacts
Enter Run ID...
Go
Recent test runs
Test runs
Recent exploratory sessions
Recent test runs
Test runs
Filter
State
Run I...
Title
Completed Date
Build Number
Failed
Pass Rate
Needs investigat...
10
End-to-end tests (Manual)
9/2/2020 2:43:17 PM
1
0%


Enter Run ID...
Go
Recent test runs
Test runs
10: End-to-end tests (Manual)
Recent exploratory sessions
Run 10 - End-to-end tests (Manual)
Run summary
Test results
Filter
Update comment
Add attachment
Summary
Completed with failures 5 minutes ago, Ran for 15 minutes 42 seconds
Run type Manual
Owner Sjoukje Zaal
Tested build not available
Release not available
Release Stage not available
Build platform not available
Build flavor not available
Test settings Run time settings
MTM lab environment not available
Comments
No comments
Error message
No error message
Attachments ()
Outcome
1
Failed
Outcome by priority
2
0
1
2
Failed
Outcome by configuration
2
0
1
2
Failed
Outcome by failure type
None
0
1
2
Failed
Outcome by resolution
None
0
1
2
Failed

Chapter 11: Real-World CI/CD Scenarios with Azure DevOps







Create Web App

Basics | Monitoring | Tags | Review + create

App Service Web Apps lets you quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance. Learn more

Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * [redacted]

Resource Group * Contoso-ToDo-Staging

Create new

Instance Details

Name * contosotodostaging .azurewebsites.net

Publish * Code / Docker Container

Runtime stack * ASP.NET V4.7

Operating System * Linux / Windows

Region * Central US

Not finding your App Service Plan? Try a different region.

App Service Plan

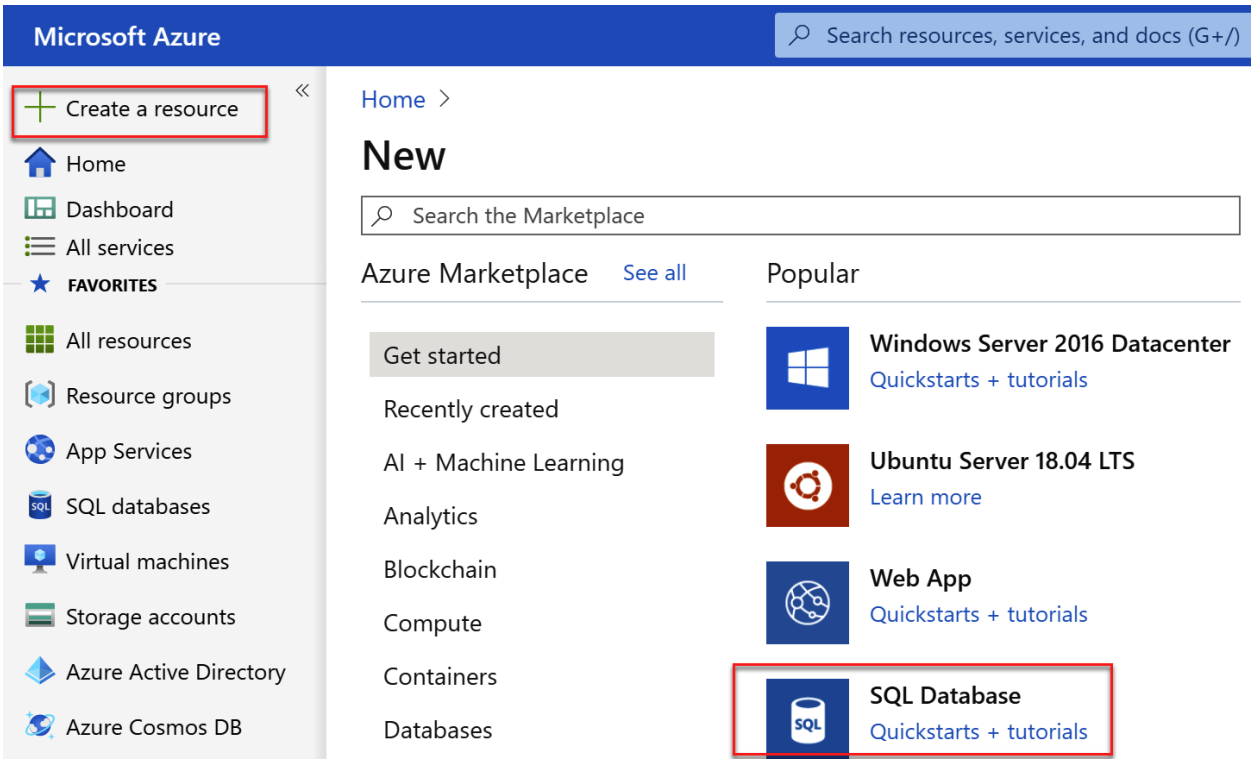
App Service plan pricing tier determines the location, features, cost and compute resources associated with your app.
Learn more

Windows Plan (East US) * (New) ASP-ContosoToDoStaging-8a24

Create new

Sku and size *

Standard S1
100 total ACU, 1.75 GB memory
Change size



Create SQL Database

Microsoft

Basics | Networking | Additional settings | Tags | Review + create

Create a SQL database with your preferred configurations. Complete the Basics tab then go to Review + Create to provision with smart defaults, or visit each tab to customize. Learn more

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * : VSE-MPN-SPE-DD

Resource group * : [redacted]

Create new

Database details

Enter required settings for this database, including picking a logical server and configuring the compute and storage resources

Database name * : Enter database name

Server * : (new) contosotodo-staging-dbserver (East US)

Create new

Want to use SQL elastic pool? * : ○ Yes ◉ No

Compute + storage * : **Standard S0**
10 DTUs, 250 GB storage
Configure database

Review + create | Next : Networking >

Create SQL Database

Microsoft

Basics | **Networking** | Additional settings | Tags | Review + create

Configure network access and connectivity for your server. The configuration selected below will apply to the selected server 'contosotodo-staging-dbserver' and all databases it manages. Learn more

Network connectivity

Choose an option for configuring connectivity to your server via public endpoint or private endpoint. Choosing no access creates with defaults and you can configure connection method after server creation. Learn more

Connectivity method *

- ○ No access
- ◉ Public endpoint
- ○ Private endpoint

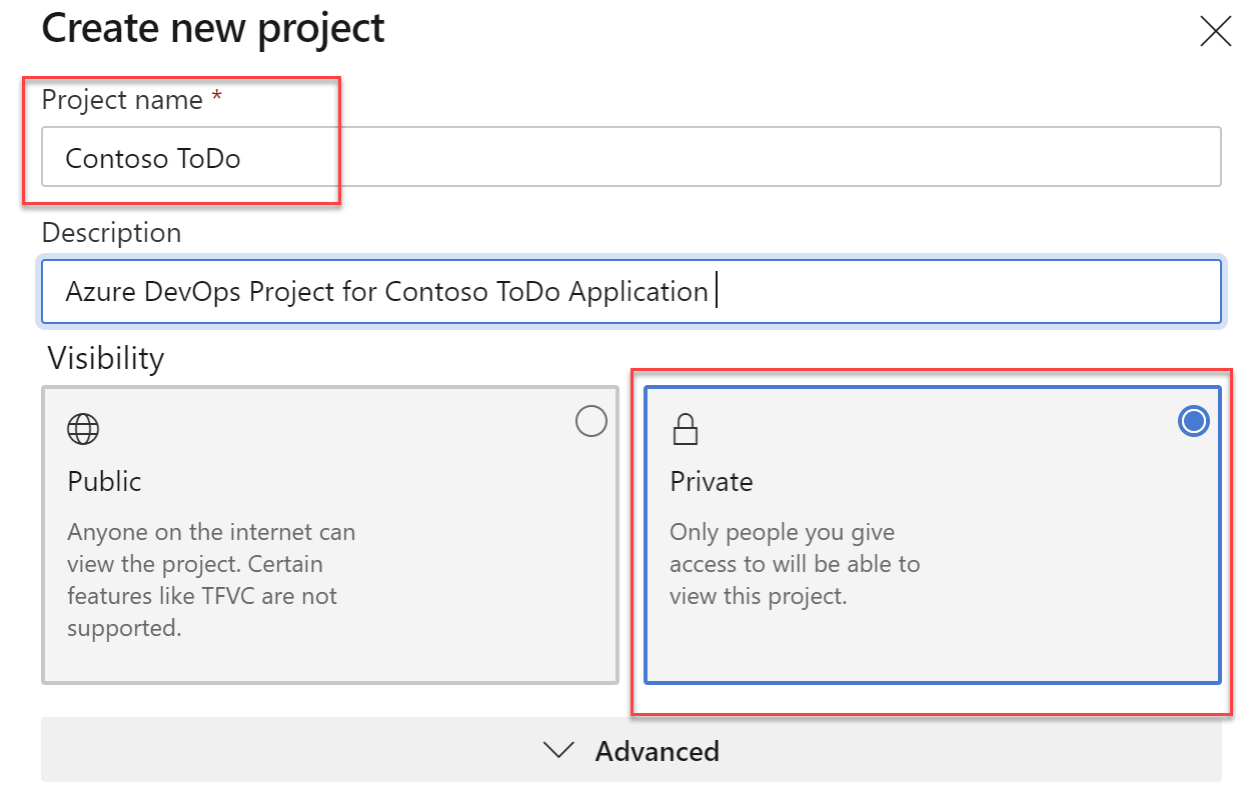
Firewall rules

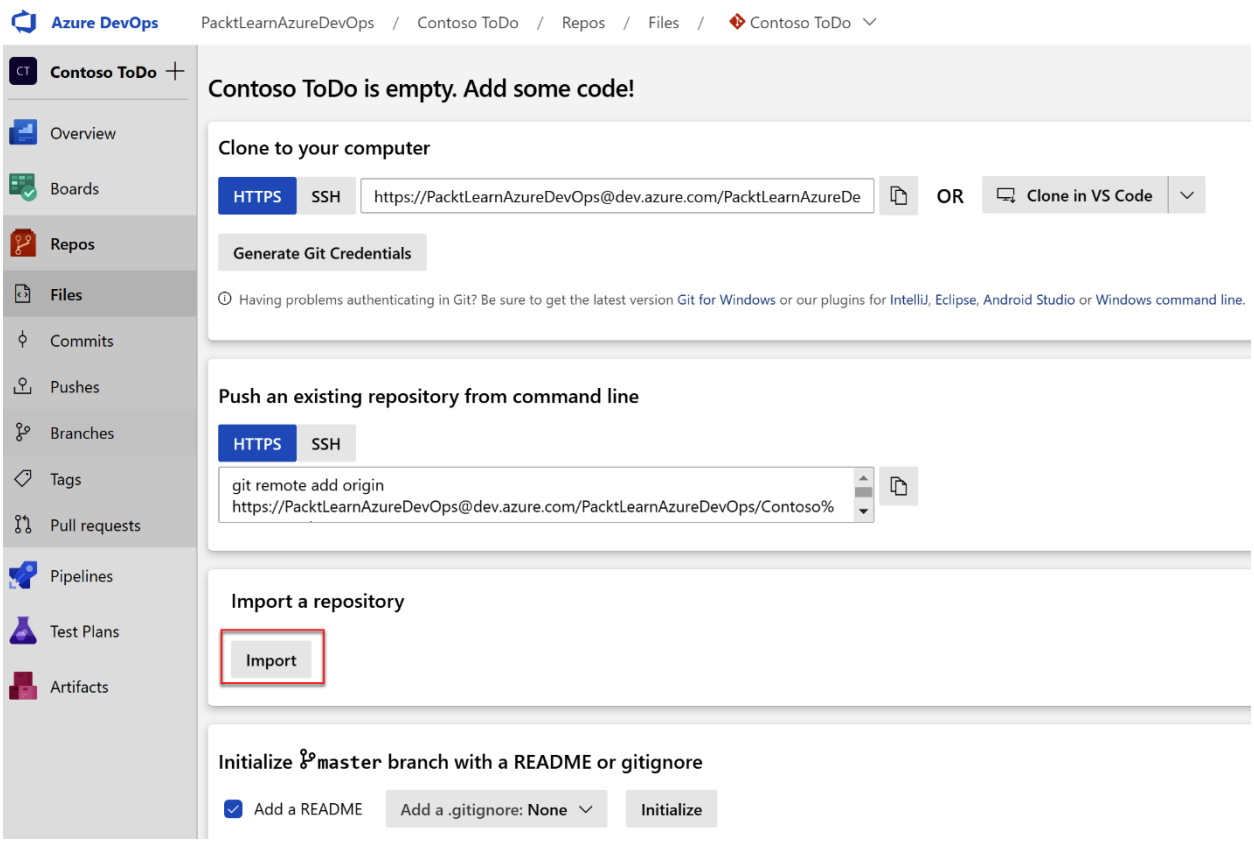
Setting 'Allow Azure services and resources to access this server' to Yes allows communications from all resources inside the Azure boundary, that may or may not be part of your subscription. Learn more
Setting 'Add current client IP address' to Yes will add an entry for your client IP address to the server firewall.

Allow Azure services and resources to access this server *: No | **Yes**

Add current client IP address *: **No** | Yes

Review + create | < Previous | Next : Additional settings >


Create new project
Project name *
Contoso ToDo
Description
Azure DevOps Project for Contoso ToDo Application
Visibility
Public
Anyone on the internet can view the project. Certain features like TFVC are not supported.
Private
Only people you give access to will be able to view this project.
Advanced


Azure DevOps
PacktLearnAzureDevOps / Contoso ToDo / Repos / Files / Contoso ToDo
Contoso ToDo
Overview
Boards
Repos
Files
Commits
Pushes
Branches
Tags
Pull requests
Pipelines
Test Plans
Artifacts
Contoso ToDo is empty. Add some code!
Clone to your computer
HTTPS
SSH
https://PacktLearnAzureDevOps@dev.azure.com/PacktLearnAzureDe
OR
Clone in VS Code
Generate Git Credentials
Having problems authenticating in Git? Be sure to get the latest version Git for Windows or our plugins for IntelliJ, Eclipse, Android Studio or Windows command line.
Push an existing repository from command line
HTTPS
SSH
git remote add origin
https://PacktLearnAzureDevOps@dev.azure.com/PacktLearnAzureDevOps/Contoso%
Import a repository
Import
Initialize master branch with a README or gitignore
Add a README
Add a .gitignore: None
Initialize

Import a Git repository

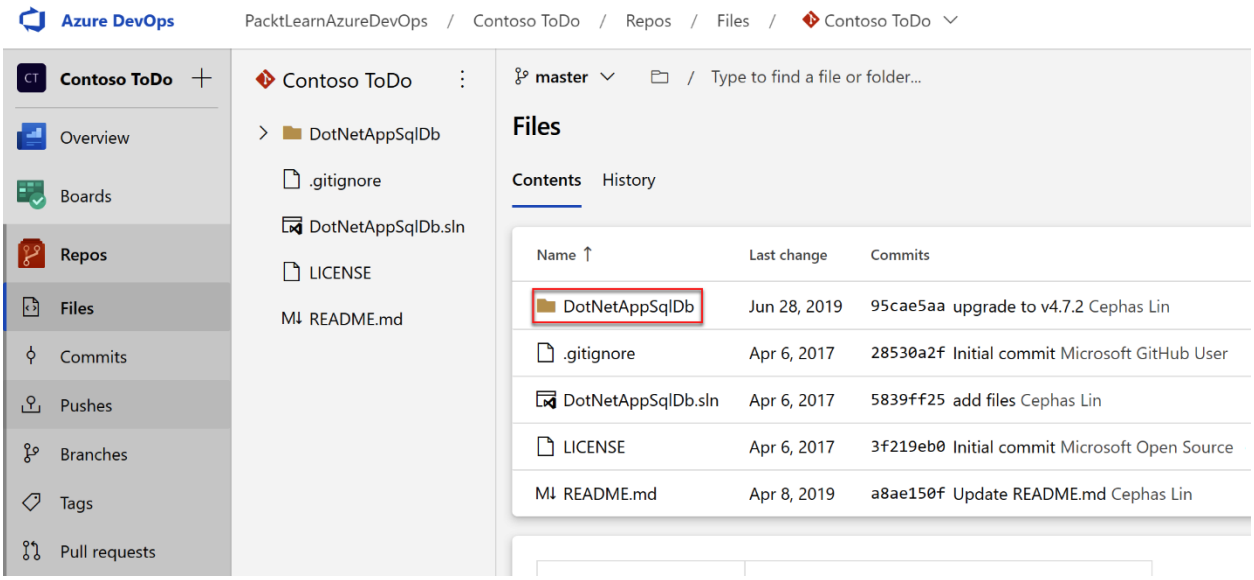
Repository type

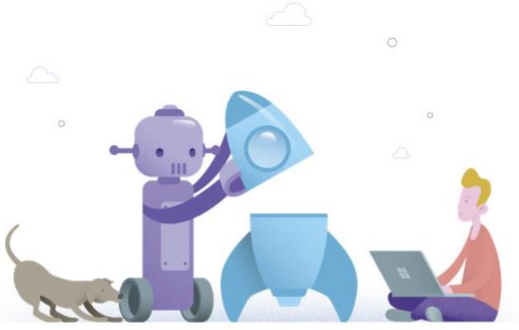
Git

Clone URL *

https://github.com/Azure-Samples/dotnet-sqldb-tutorial/

Requires Authentication





Create your first Pipeline

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

Create Pipeline

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

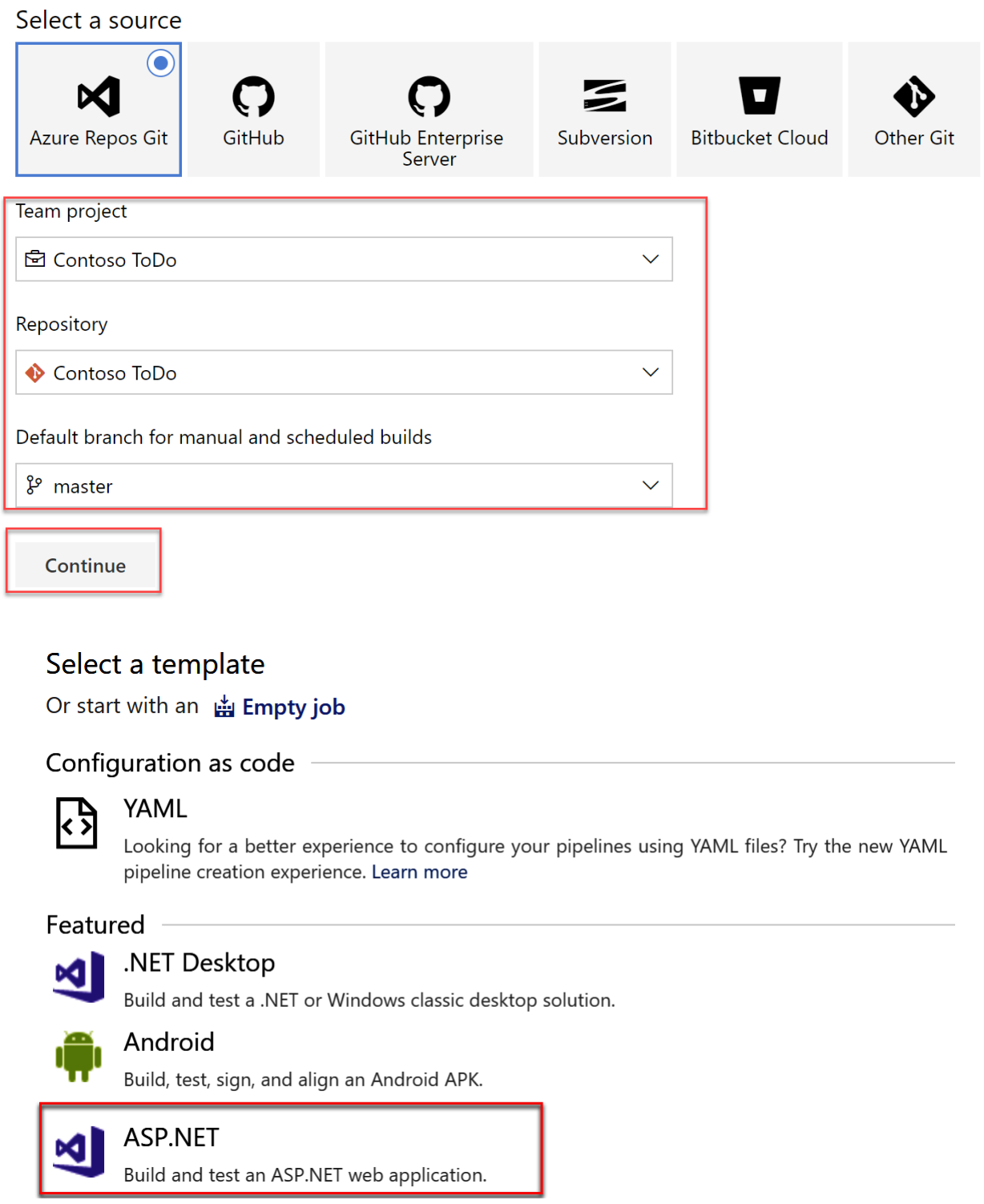
GitHub YAML
Home to the world's largest community of developers

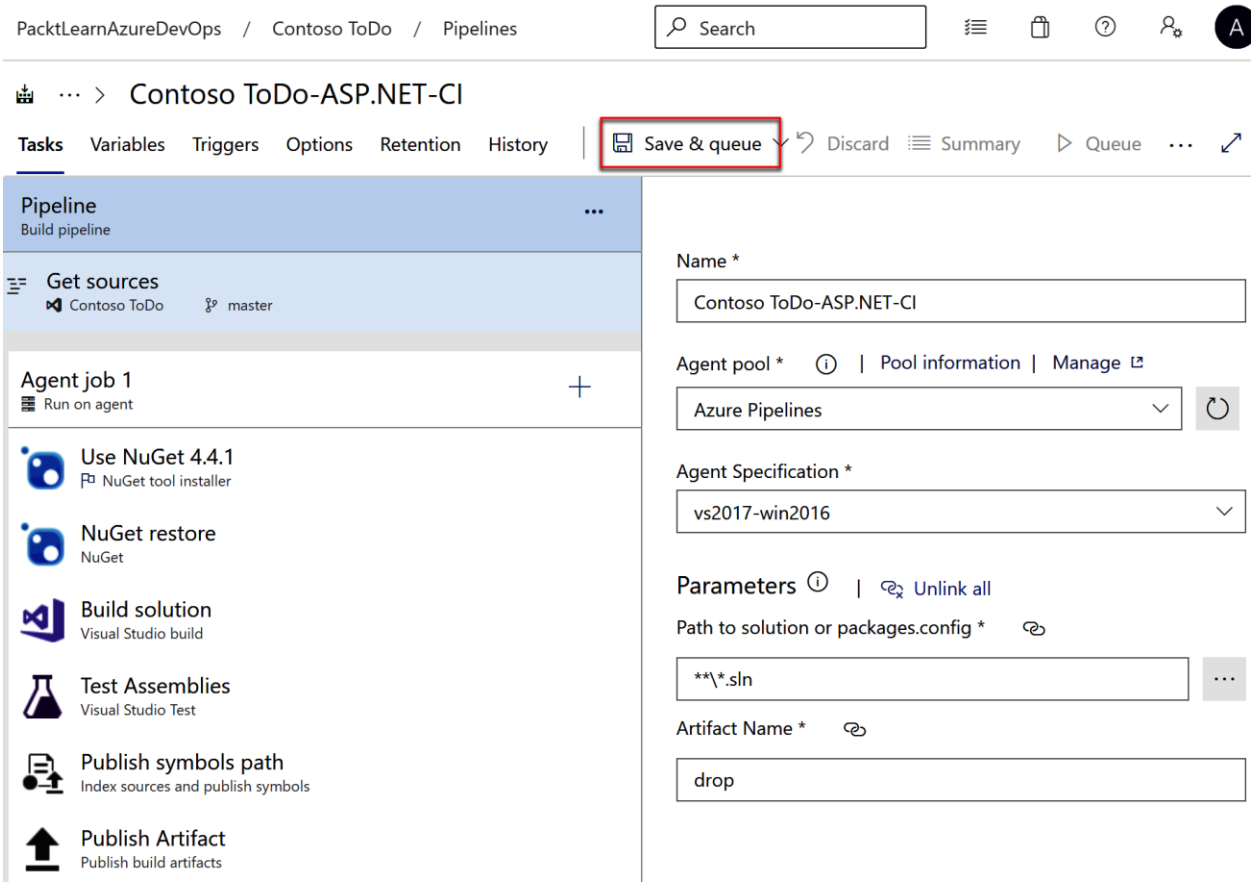
GitHub Enterprise Server YAML
The self-hosted version of GitHub Enterprise

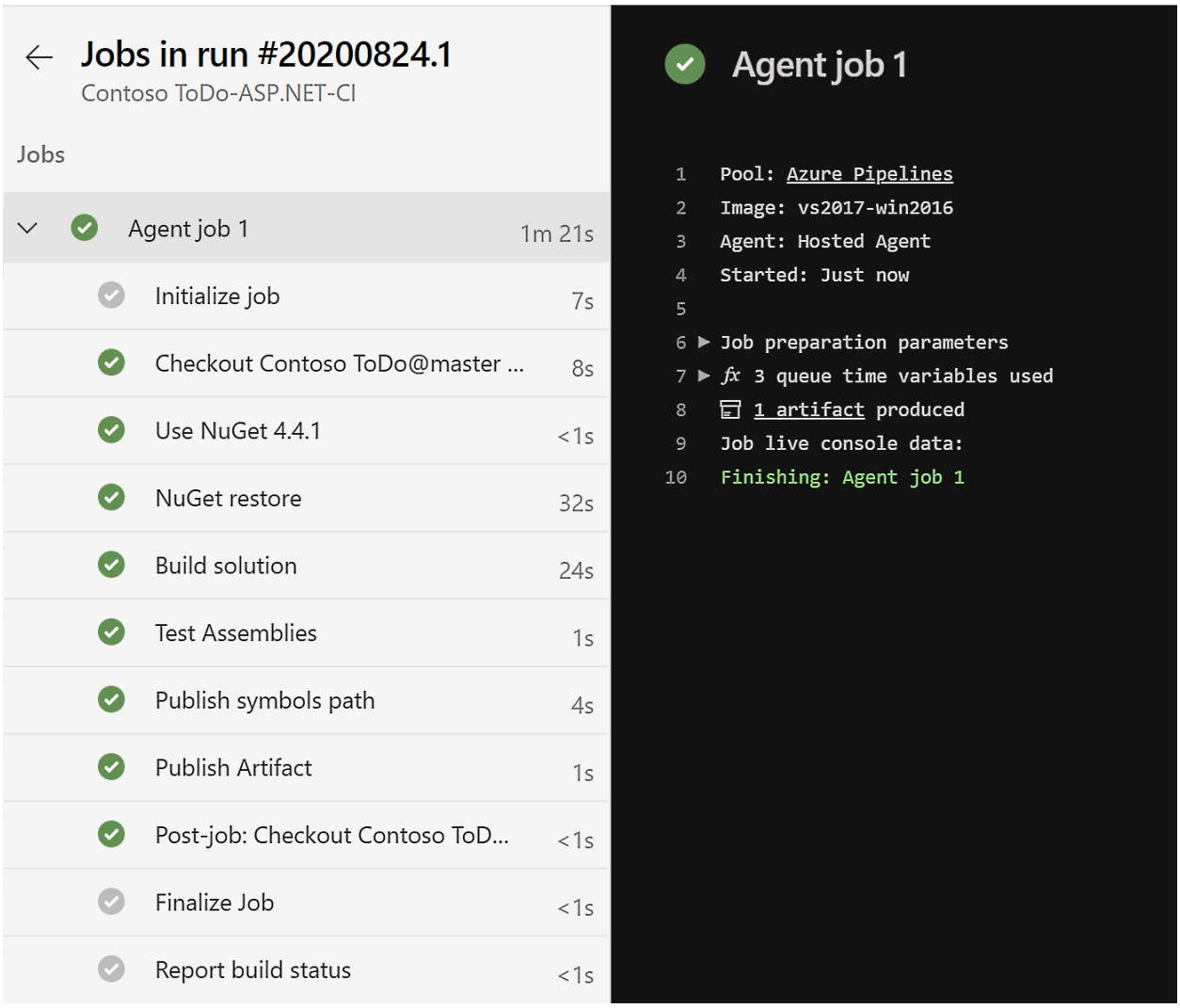
Other Git
Any generic Git repository

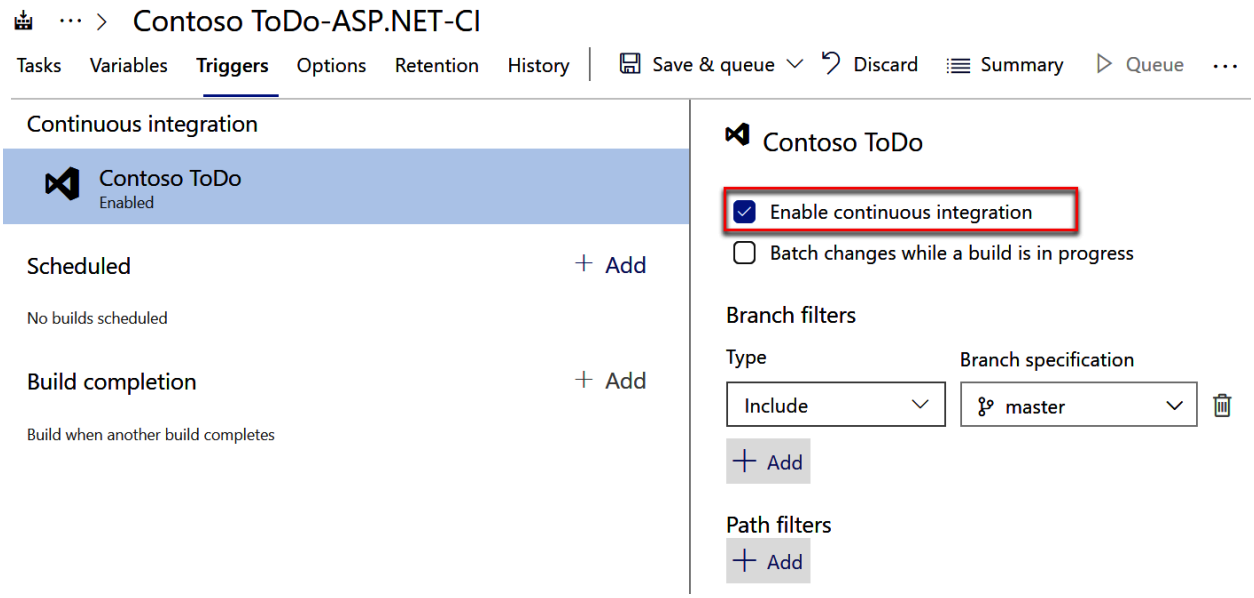
Subversion
Centralized version control by Apache

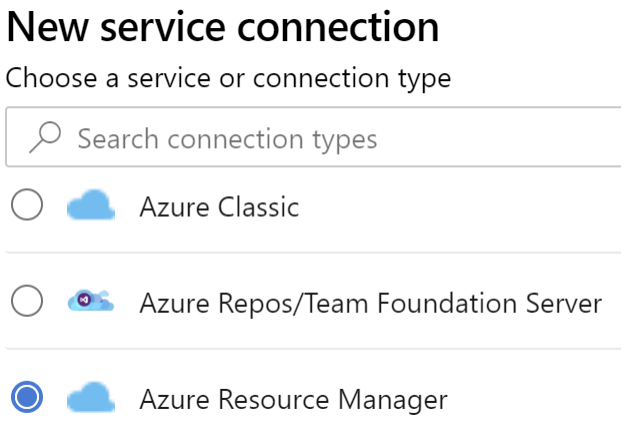
Use the classic editor to create a pipeline without YAML.

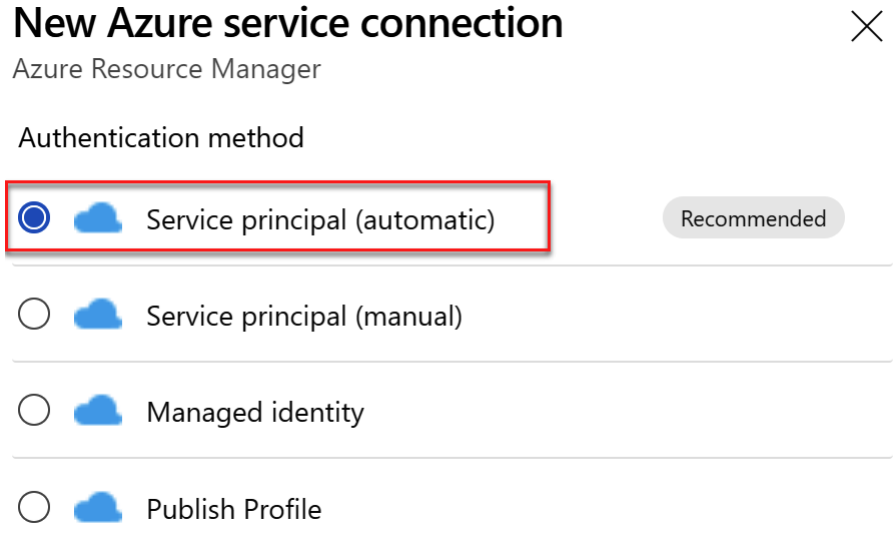

Select a source
Azure Repos Git
GitHub
GitHub Enterprise Server
Subversion
Bitbucket Cloud
Other Git
Team project
Contoso ToDo
Repository
Contoso ToDo
Default branch for manual and scheduled builds
master
Continue
Select a template
Or start with an Empty job
Configuration as code
YAML
Looking for a better experience to configure your pipelines using YAML files? Try the new YAML pipeline creation experience. Learn more
Featured
.NET Desktop
Build and test a .NET or Windows classic desktop solution.
Android
Build, test, sign, and align an Android APK.
ASP.NET
Build and test an ASP.NET web application.

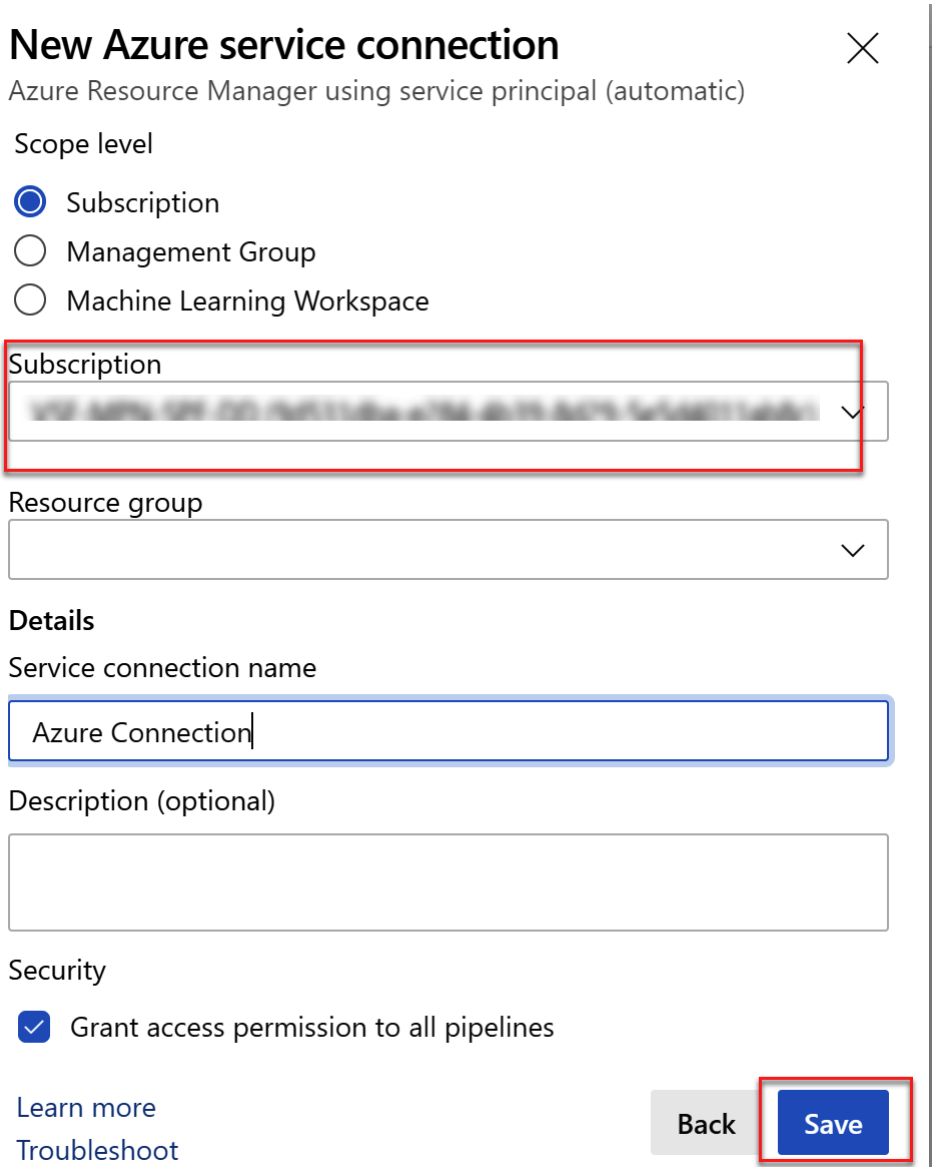

PacktLearnAzureDevOps / Contoso ToDo / Pipelines
Search
A
Contoso ToDo-ASP.NET-CI
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
Contoso ToDo
master
Agent job 1
Run on agent
Use NuGet 4.4.1
NuGet tool installer
NuGet restore
NuGet
Build solution
Visual Studio build
Test Assemblies
Visual Studio Test
Publish symbols path
Index sources and publish symbols
Publish Artifact
Publish build artifacts
Name *
Contoso ToDo-ASP.NET-CI
Agent pool *
Pool information
Manage
Azure Pipelines
Agent Specification *
vs2017-win2016
Parameters
Unlink all
Path to solution or packages.config *
***.sln
Artifact Name *
drop

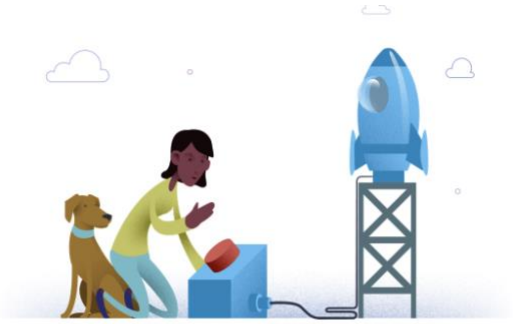

Jobs in run #20200824.1
Contoso ToDo-ASP.NET-CI
Jobs
Agent job 1 1m 21s
Initialize job 7s
Checkout Contoso ToDo@master ... 8s
Use NuGet 4.4.1 <1s
NuGet restore 32s
Build solution 24s
Test Assemblies 1s
Publish symbols path 4s
Publish Artifact 1s
Post-job: Checkout Contoso ToD... <1s
Finalize Job <1s
Report build status <1s
Agent job 1
1 Pool: Azure Pipelines
2 Image: vs2017-win2016
3 Agent: Hosted Agent
4 Started: Just now
5
6 ▶ Job preparation parameters
7 ▶ 3 queue time variables used
8 1 artifact produced
9 Job live console data:
10 Finishing: Agent job 1


Contoso ToDo-ASP.NET-CI
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Continuous integration
Contoso ToDo
Enabled
Scheduled
Add
No builds scheduled
Build completion
Add
Build when another build completes
Contoso ToDo
Enable continuous integration
Batch changes while a build is in progress
Branch filters
Type
Branch specification
Include
master
Add
Path filters
Add


New service connection
Choose a service or connection type
Search connection types
Azure Classic
Azure Repos/Team Foundation Server
Azure Resource Manager


New Azure service connection
Azure Resource Manager
Authentication method
Service principal (automatic)
Recommended
Service principal (manual)
Managed identity
Publish Profile


New Azure service connection
Azure Resource Manager using service principal (automatic)
Scope level
Subscription
Management Group
Machine Learning Workspace
Subscription
Resource group
Details
Service connection name
Azure Connection
Description (optional)
Security
Grant access permission to all pipelines
Learn more
Troubleshoot
Back
Save



No release pipelines found

Automate your release process in a few easy steps with a new pipeline

New pipeline

Select a template

Search

Or start with an Empty job

Featured

Azure App Service deployment

Deploy your application to Azure App Service. Choose from Web App on Windows, Linux, containers, Function Apps, or WebJobs.

Deploy a Java app to Azure App Service

Deploy a Java application to an Azure Web App.

Deploy a Node.js app to Azure App Service

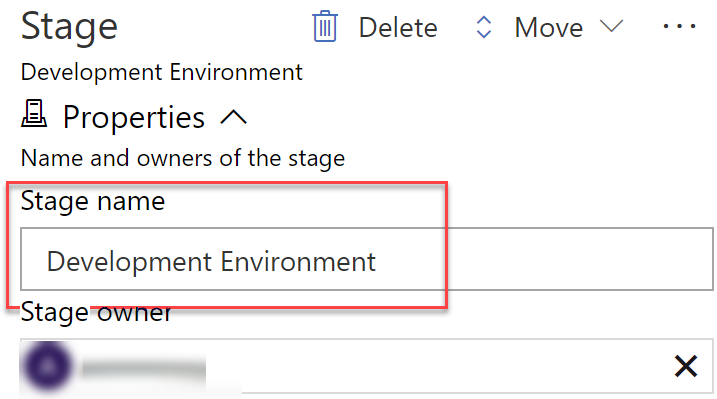
Deploy a Node.js application to an Azure Web App.

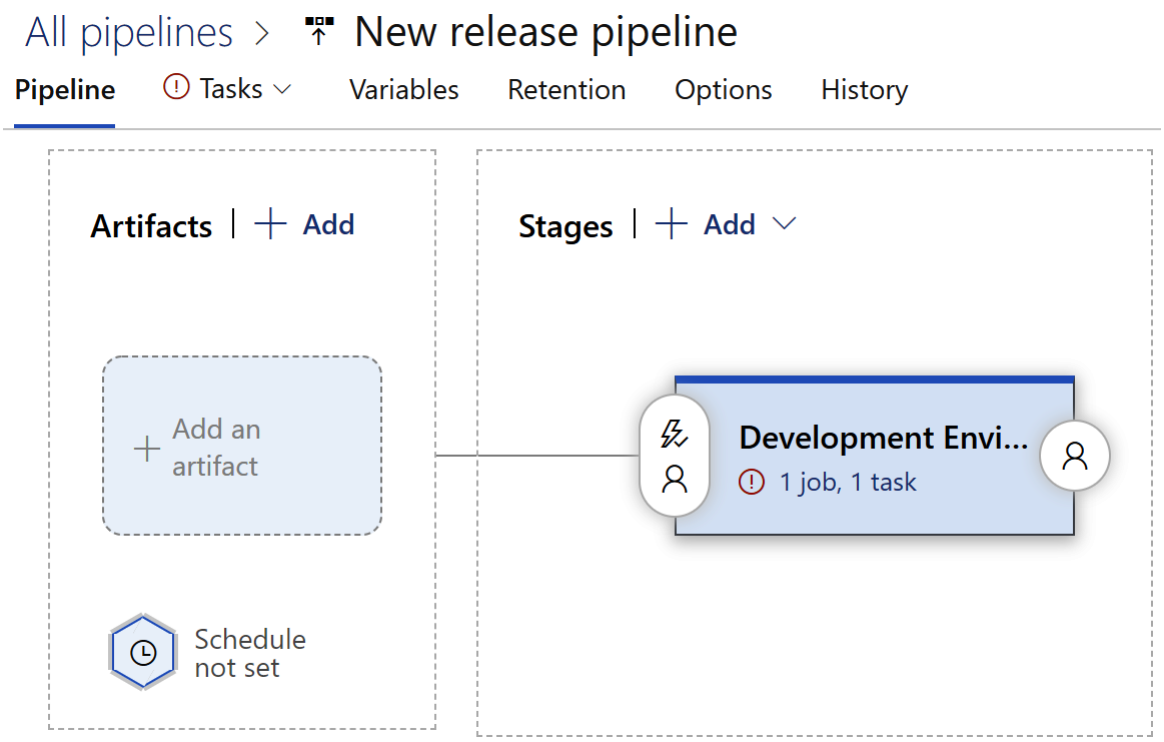
Deploy a PHP app to Azure App Service and Azure Database for MySQL

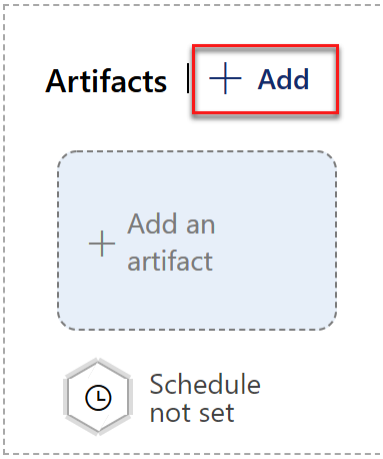
Deploy a PHP application to an Azure Web App and database to Azure Database for MySQL.

Deploy a Python app to Azure App Service and Azure database for MySQL

Deploy a Python Django, Bottle, or Flask application to an

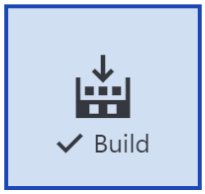

Stage
Delete
Move
Development Environment
Properties
Name and owners of the stage
Stage name
Development Environment
Stage owner


All pipelines
New release pipeline
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts
Add
Add an artifact
Schedule not set
Stages
Add
Development Envi...
1 job, 1 task


Artifacts
Add
Add an artifact
Schedule not set

Add an artifact

Source type



5 more artifact types

Project *

Contoso ToDo

Source (build pipeline) *

Contoso ToDo-ASP.NET-CI

Default version *

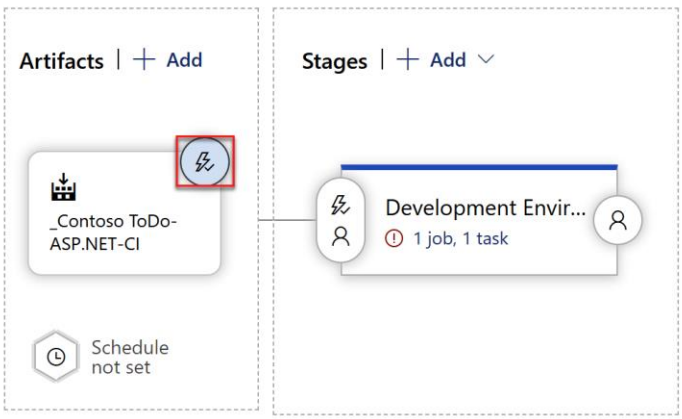
Latest

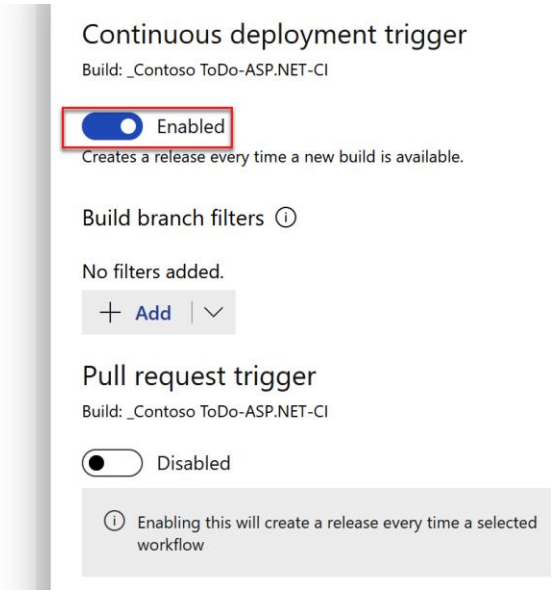
Source alias *

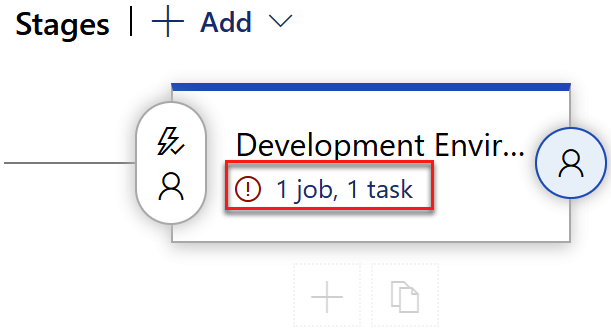
_Contoso ToDo-ASP.NET-CI

The artifacts published by each version will be available for deployment in release pipelines. The latest successful build of **Contoso ToDo-ASP.NET-CI** published the following artifacts: ***drop***.

Add







Stage name

Development Environment

Parameters | Unlink all

Azure subscription * | Manage

Azure Connection

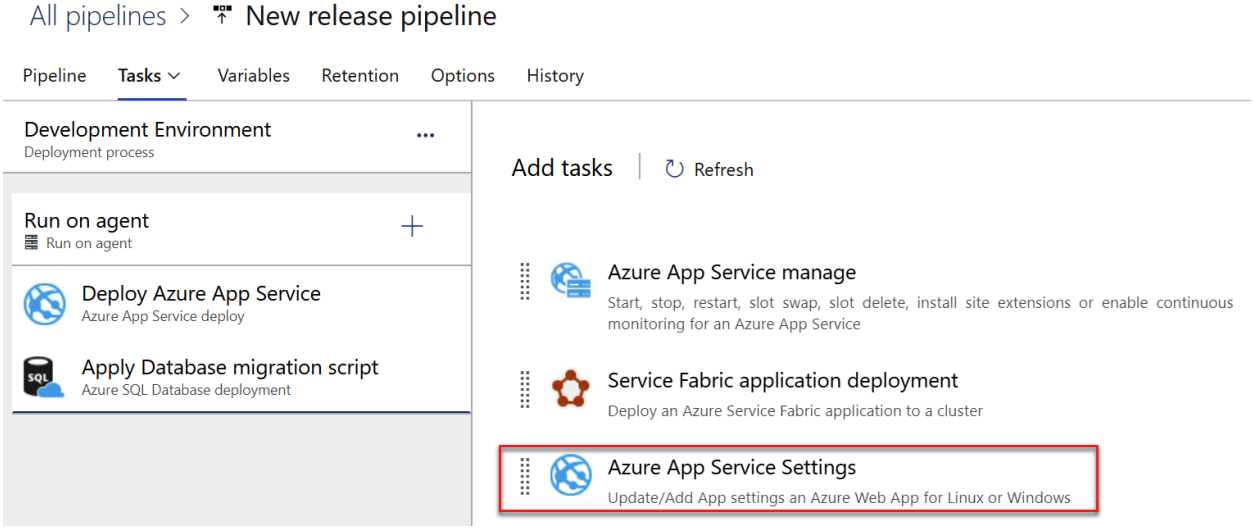
Scoped to subscription 'VSE-MPN-SPE-DD'

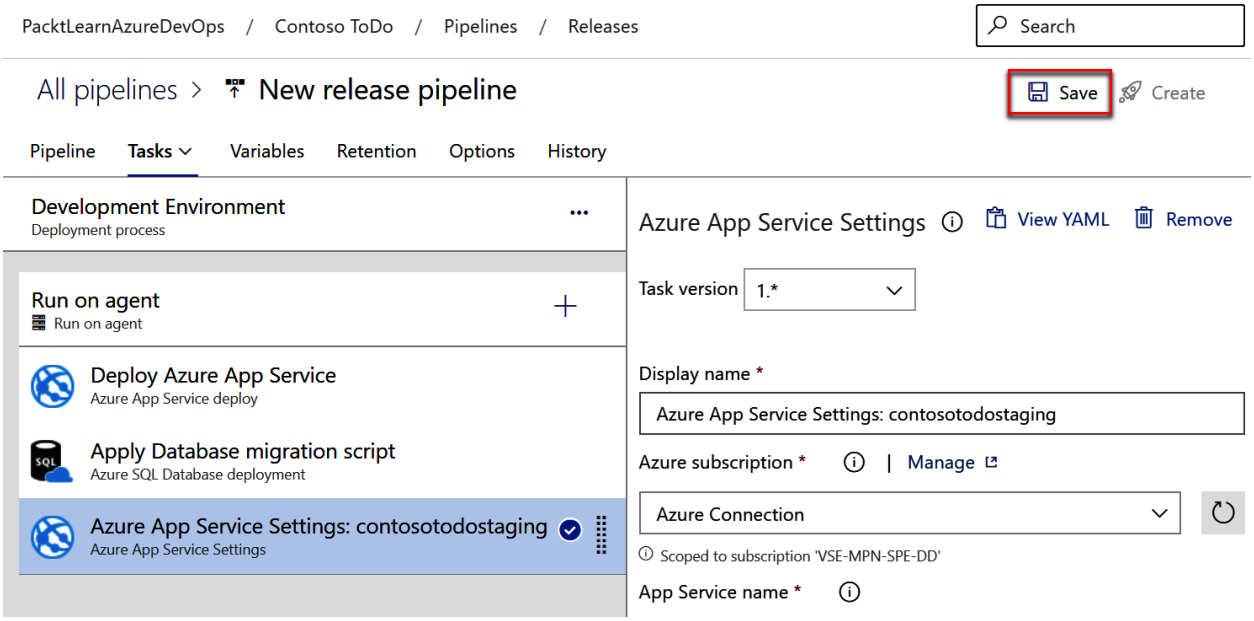
App type

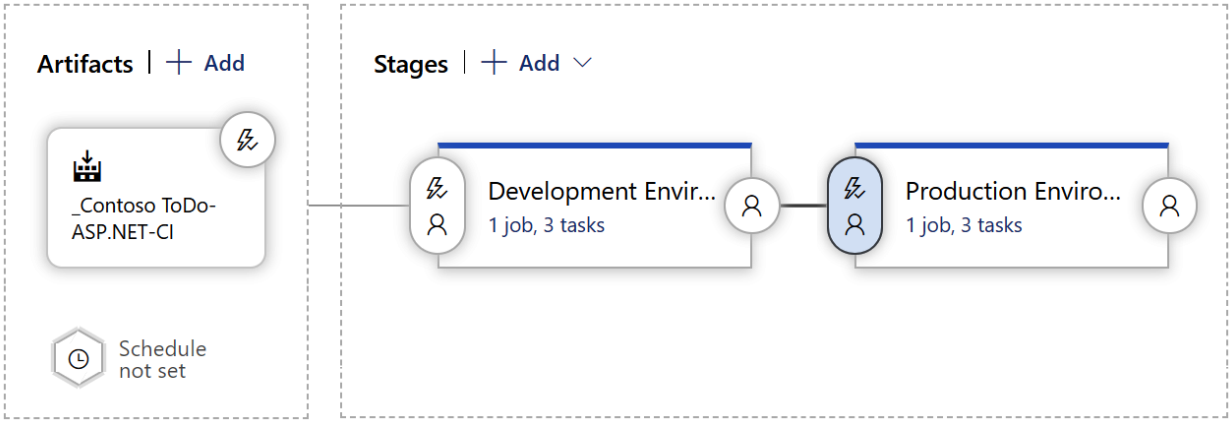
Web App on Windows

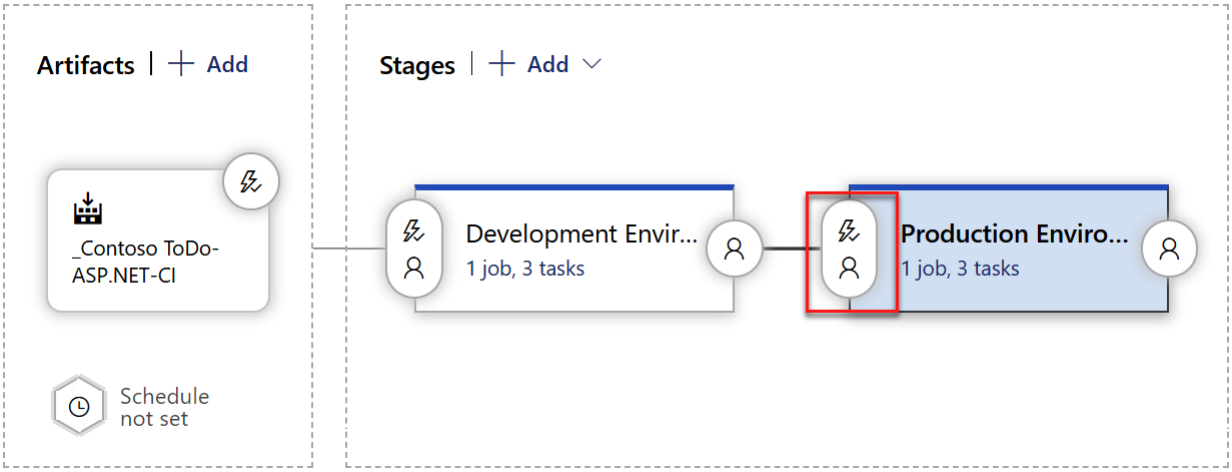
App service name *

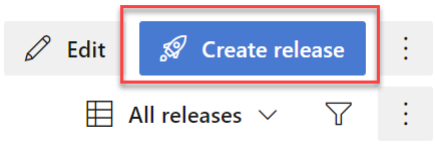
contosotodostaging

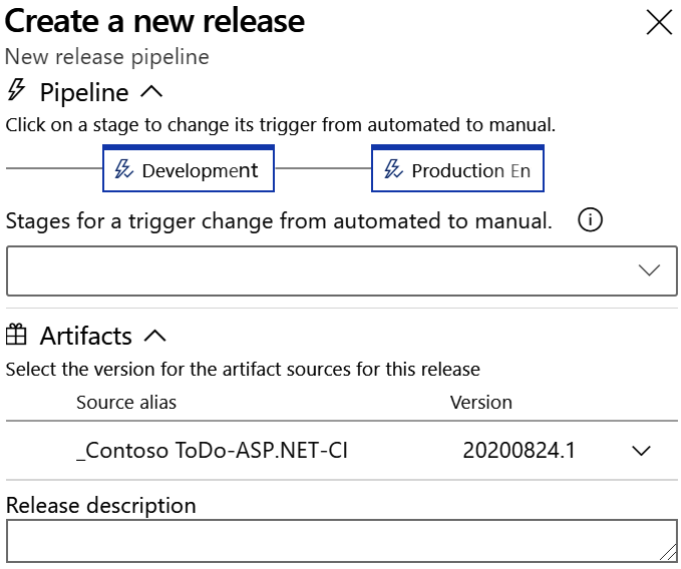


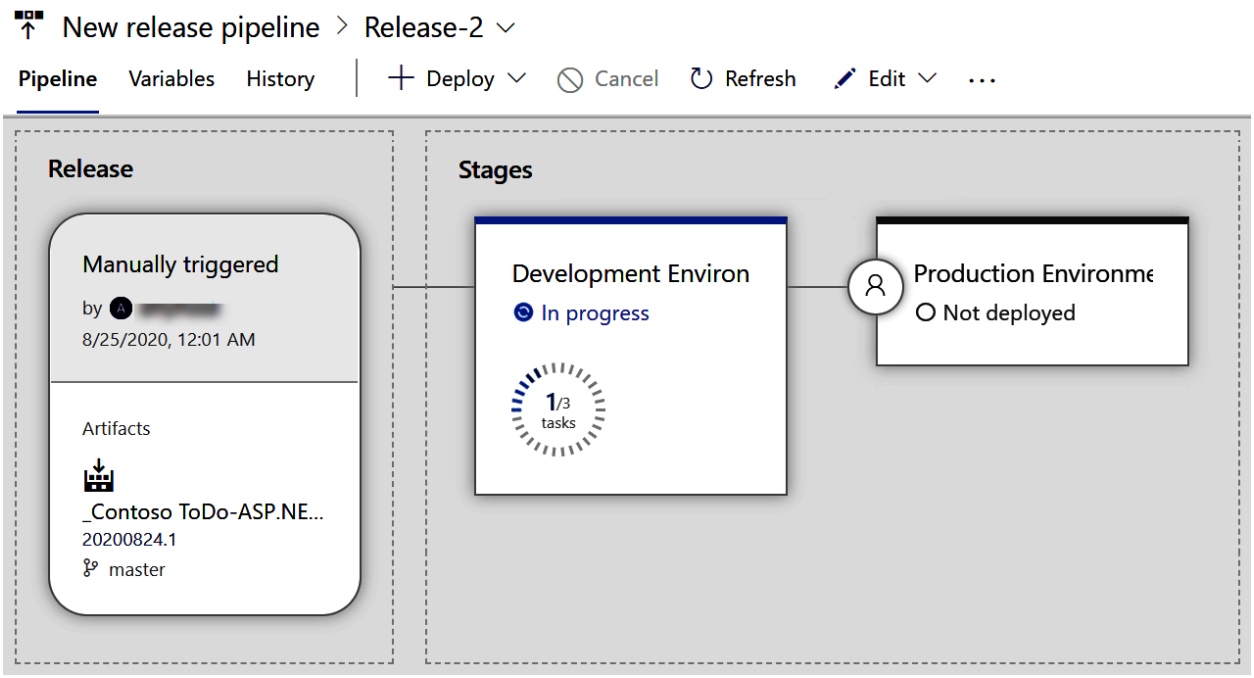

PacktLearnAzureDevOps / Contoso ToDo / Pipelines / Releases
Search
All pipelines > New release pipeline
Save
Create
Pipeline
Tasks
Variables
Retention
Options
History
Development Environment
Deployment process
Run on agent
Run on agent
Deploy Azure App Service
Azure App Service deploy
Apply Database migration script
Azure SQL Database deployment
Azure App Service Settings: contosotodostaging
Azure App Service Settings
Azure App Service Settings
View YAML
Remove
Task version
1.*
Display name *
Azure App Service Settings: contosotodostaging
Azure subscription *
Manage
Azure Connection
Scoped to subscription 'VSE-MPN-SPE-DD'
App Service name *

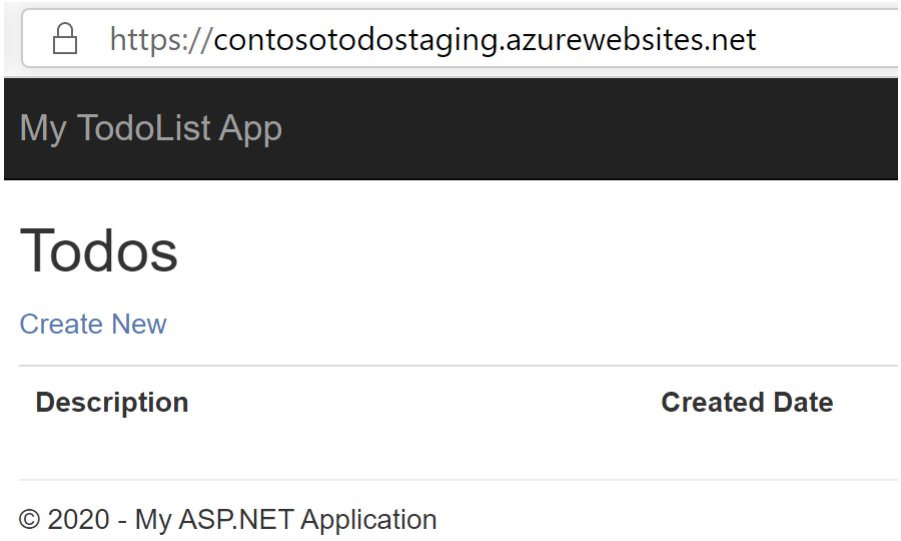

Artifacts
Add
_Contoso ToDo-ASP.NET-CI
Schedule not set
Stages
Add
Development Envir...
1 job, 3 tasks
Production Enviro...
1 job, 3 tasks

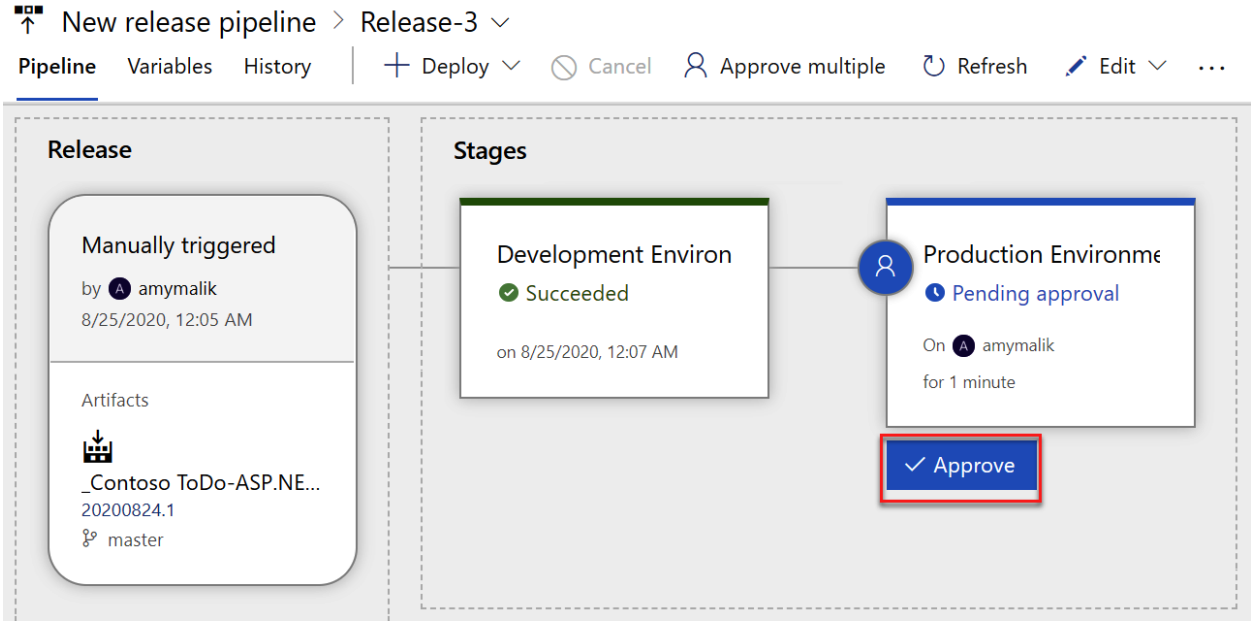

Artifacts
Add
_Contoso ToDo-ASP.NET-CI
Schedule not set
Stages
Add
Development Envir...
1 job, 3 tasks
Production Enviro...
1 job, 3 tasks


Edit
Create release
All releases


Create a new release
New release pipeline
Pipeline
Click on a stage to change its trigger from automated to manual.
Development
Production En
Stages for a trigger change from automated to manual.
Artifacts
Select the version for the artifact sources for this release
Source alias
Version
_Contoso ToDo-ASP.NET-CI
20200824.1
Release description


New release pipeline
Release-2
Pipeline
Variables
History
Deploy
Cancel
Refresh
Edit
Release
Manually triggered
by
8/25/2020, 12:01 AM
Artifacts
_Contoso ToDo-ASP.NE...
20200824.1
master
Stages
Development Environ
In progress
1/3
tasks
Production Environme
Not deployed


https://contosotodostaging.azurewebsites.net
My TodoList App
Todos
Create New
Description
Created Date
© 2020 - My ASP.NET Application


New release pipeline
Release-3
Pipeline
Variables
History
Deploy
Cancel
Approve multiple
Refresh
Edit
Release
Manually triggered
by amymalik
8/25/2020, 12:05 AM
Artifacts
_Contoso ToDo-ASP.NE...
20200824.1
master
Stages
Development Environ
Succeeded
on 8/25/2020, 12:07 AM
Production Environme
Pending approval
On amymalik
for 1 minute
Approve

Index.cshtml

Contents Highlight changes

```
@model IEnumerable<DotNetAppSqlDb.Models.Todo>

@{
    ViewBag.Title = "Index";
}

<h2>Todos</h2>

<p>
    @Html.ActionLink("Create New ToDo Item", "Create")
</p>
<table class="table">
    <tr>
        <th>
            @Html.DisplayNameFor(model => model.Description)
        </th>
        <th>
            @Html.DisplayNameFor(model => model.CreatedDate)
        </th>
        <th></th>
    </tr>

@foreach (var item in Model) {
    <tr>
        <td>
            @Html.DisplayFor(modelItem => item.Description)
        </td>
        <td>
            @Html.DisplayFor(modelItem => item.CreatedDate)
        </td>
        <td>
            @Html.ActionLink("Edit", "Edit", new { id=item.ID }) |
            @Html.ActionLink("Details", "Details", new { id=item.ID }) |
            @Html.ActionLink("Delete", "Delete", new { id=item.ID })
        </td>
    </tr>
}

</table>

```

Import a Git repository

Repository type

Git

Clone URL *

https://github.com/Azure-Samples/azure-voting-app-redis/

Requires Authentication

Select a template

Or start with an **Empty job**

Search

Configuration as code

YAML

Looking for a better experience to configure your pipelines using YAML files? Try the new YAML pipeline creation experience. Learn more

Featured

.NET Desktop

Build and test a .NET or Windows classic desktop solution.

Android

Build, test, sign, and align an Android APK.

ASP.NET

Build and test an ASP.NET web application.

Azure Web App for ASP.NET

Build, package, test, and deploy an ASP.NET Azure Web App.

Docker container

Build a Docker image and push it to a container registry.

Maven

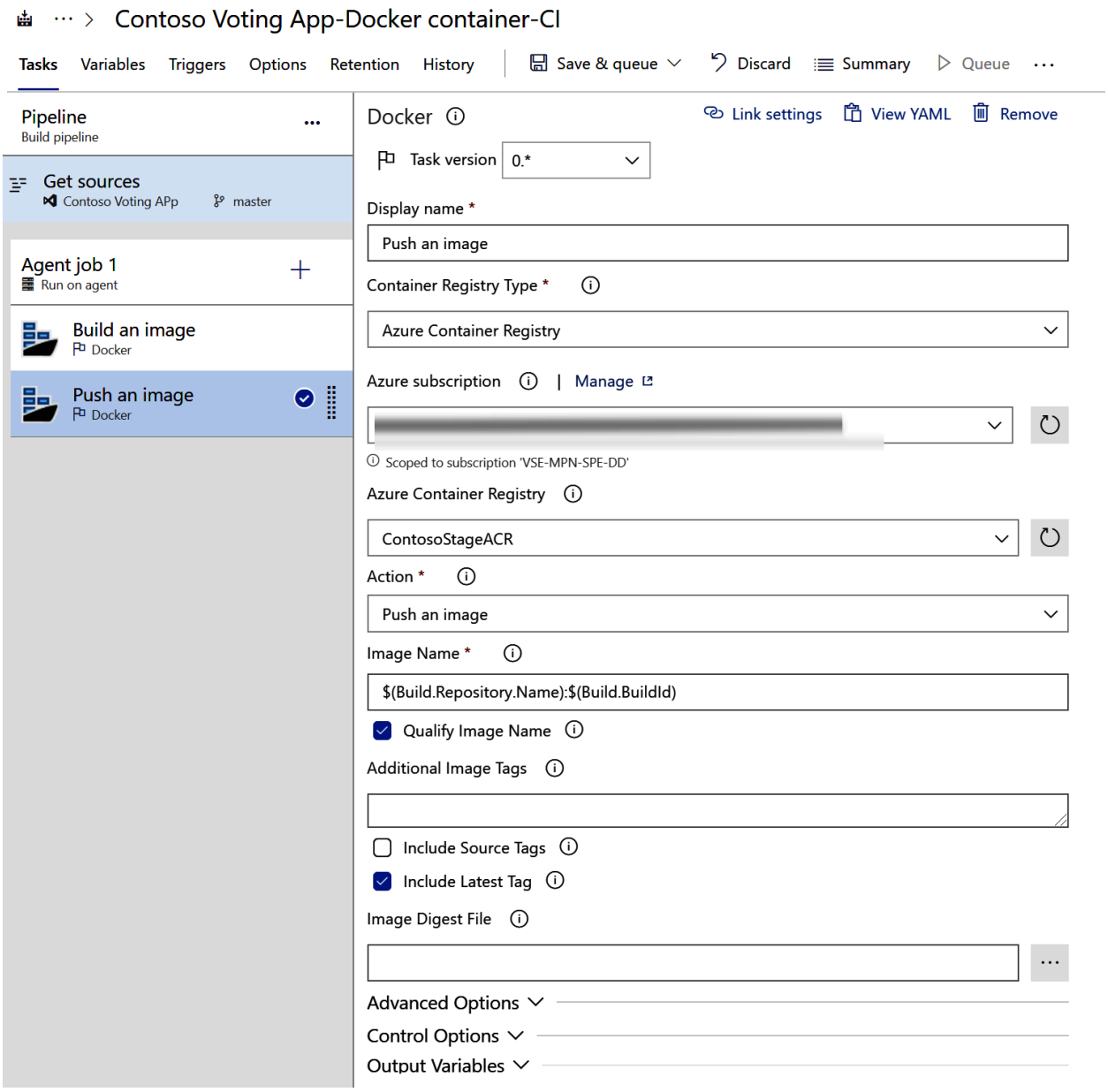
Build and test a Java project with Apache Maven.

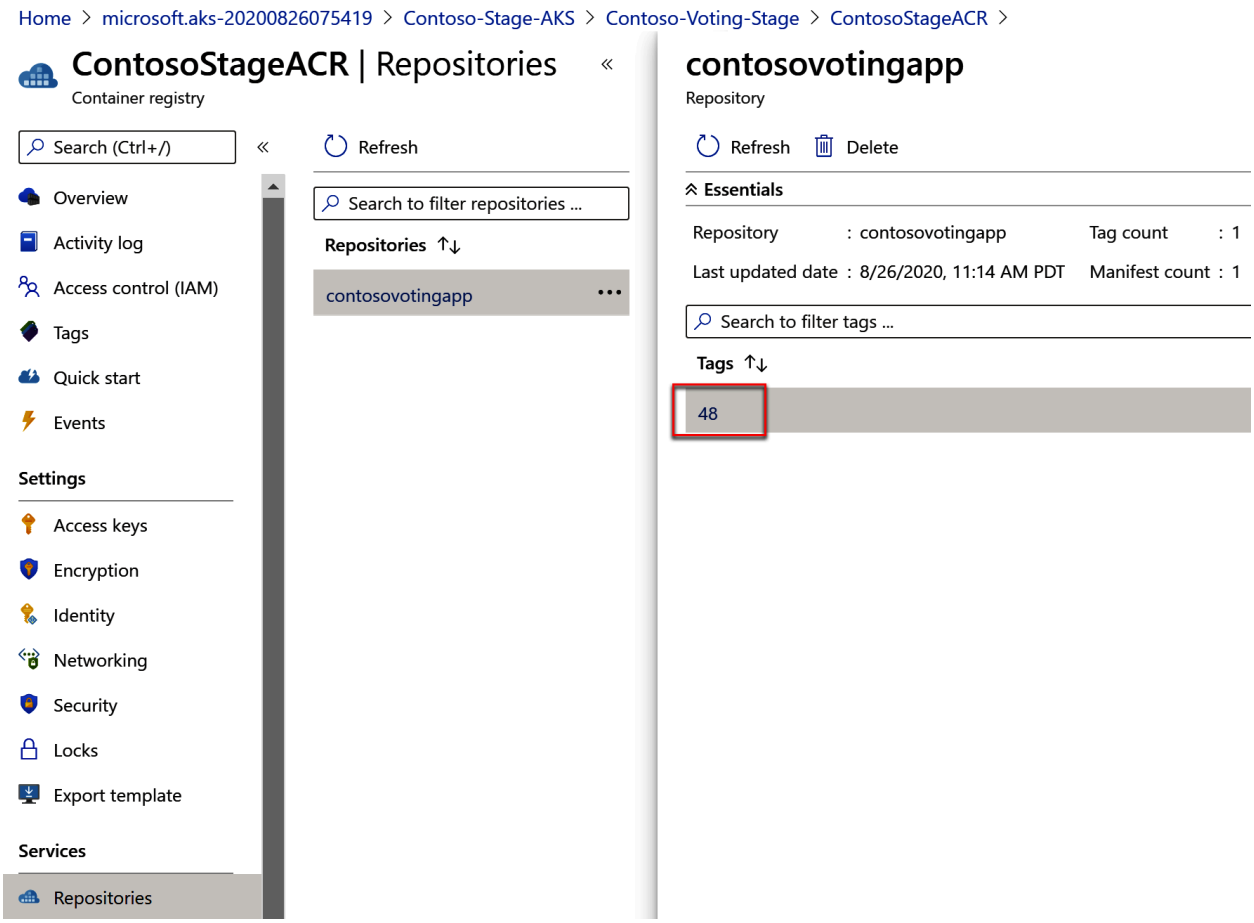
Python package

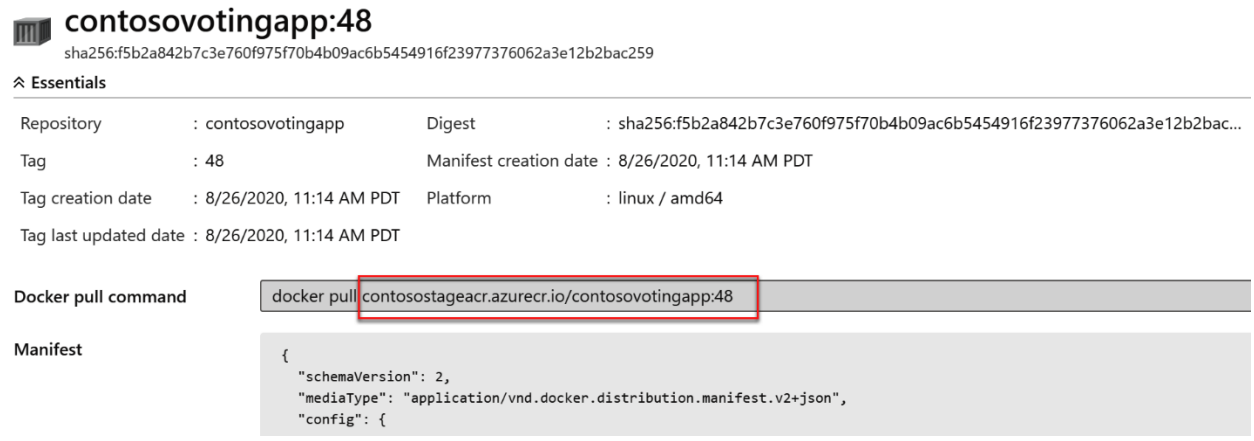
Create and test a Python package on multiple Python versions.

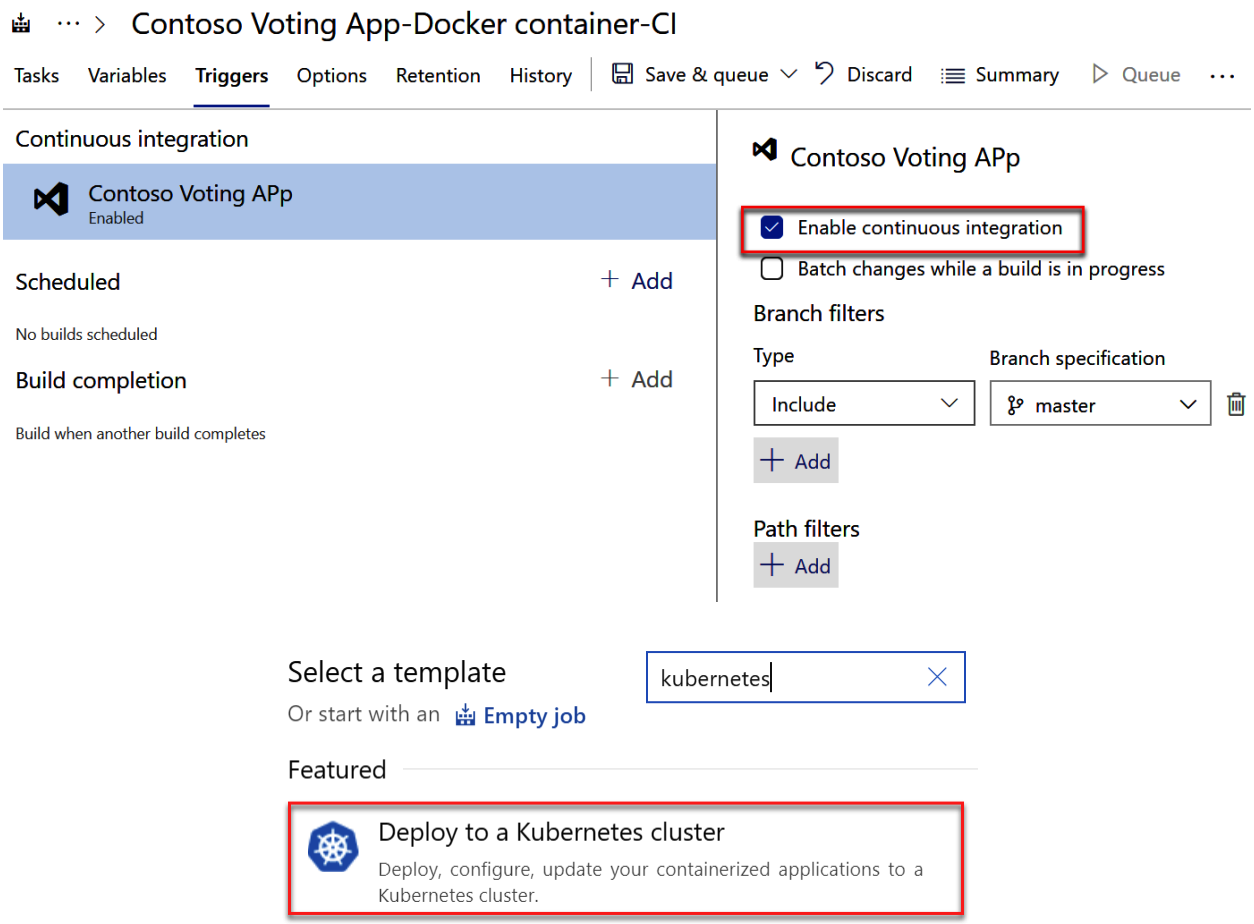
Xcode

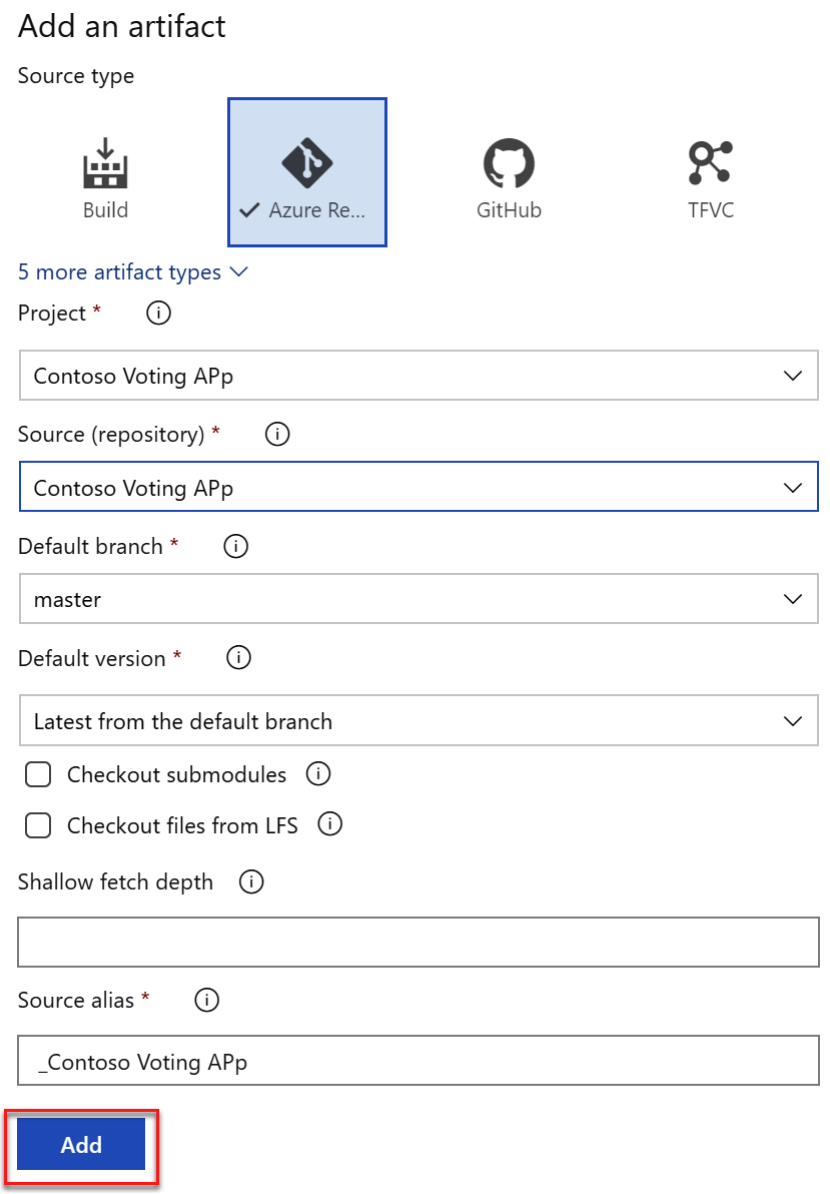
Build, test, archive, or package an Xcode workspace on macOS.

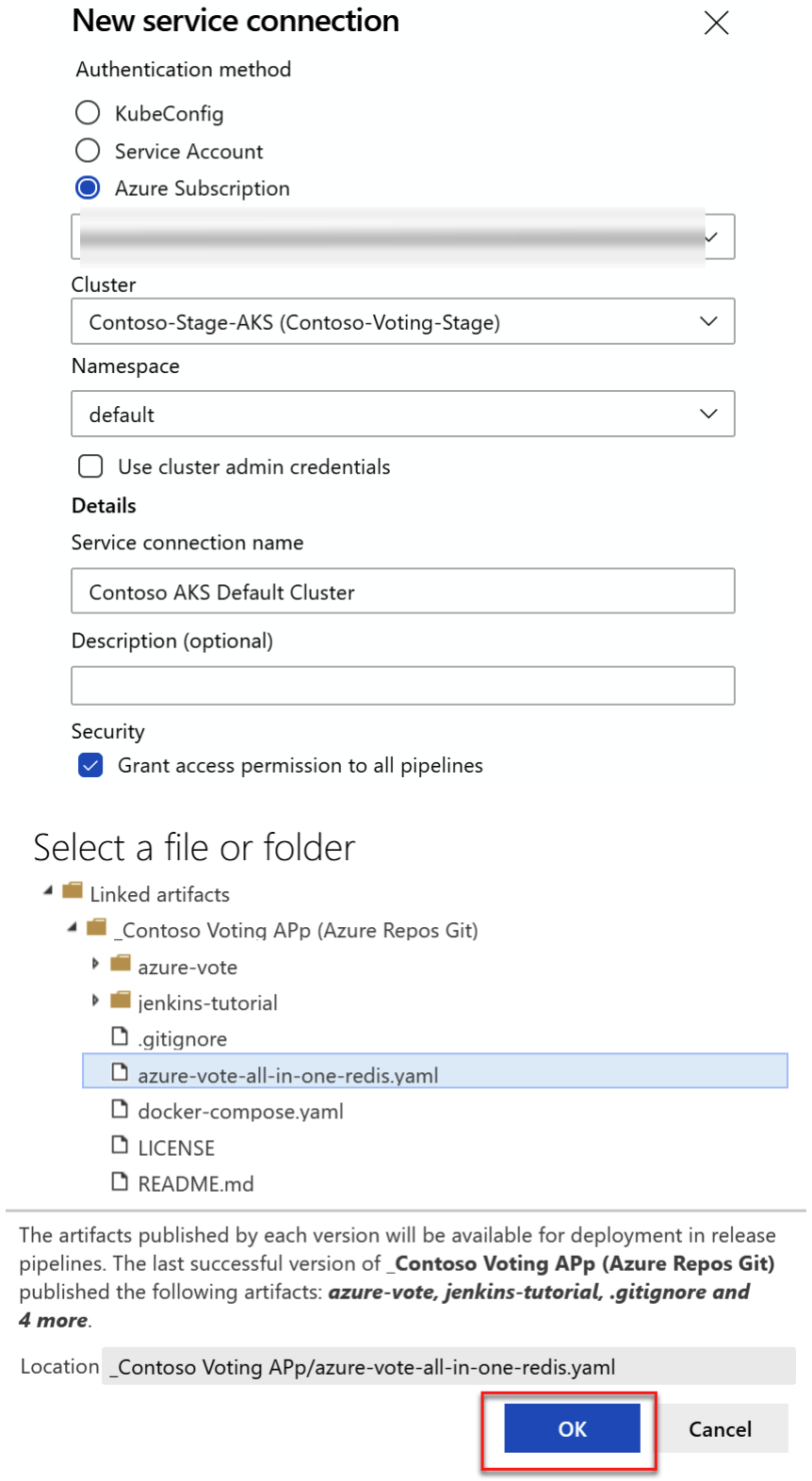

Contoso Voting App-Docker container-CI
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Pipeline
Build pipeline
Get sources
Contoso Voting APp
master
Agent job 1
Run on agent
Build an image
Docker
Push an image
Docker
Docker
Link settings
View YAML
Remove
Task version
0.*
Display name *
Push an image
Container Registry Type *
Azure Container Registry
Azure subscription
Manage
Scoped to subscription 'VSE-MPN-SPE-DD'
Azure Container Registry
ContosoStageACR
Action *
Push an image
Image Name *
$(Build.Repository.Name):$(Build.BuildId)
Qualify Image Name
Additional Image Tags
Include Source Tags
Include Latest Tag
Image Digest File
Advanced Options
Control Options
Output Variables

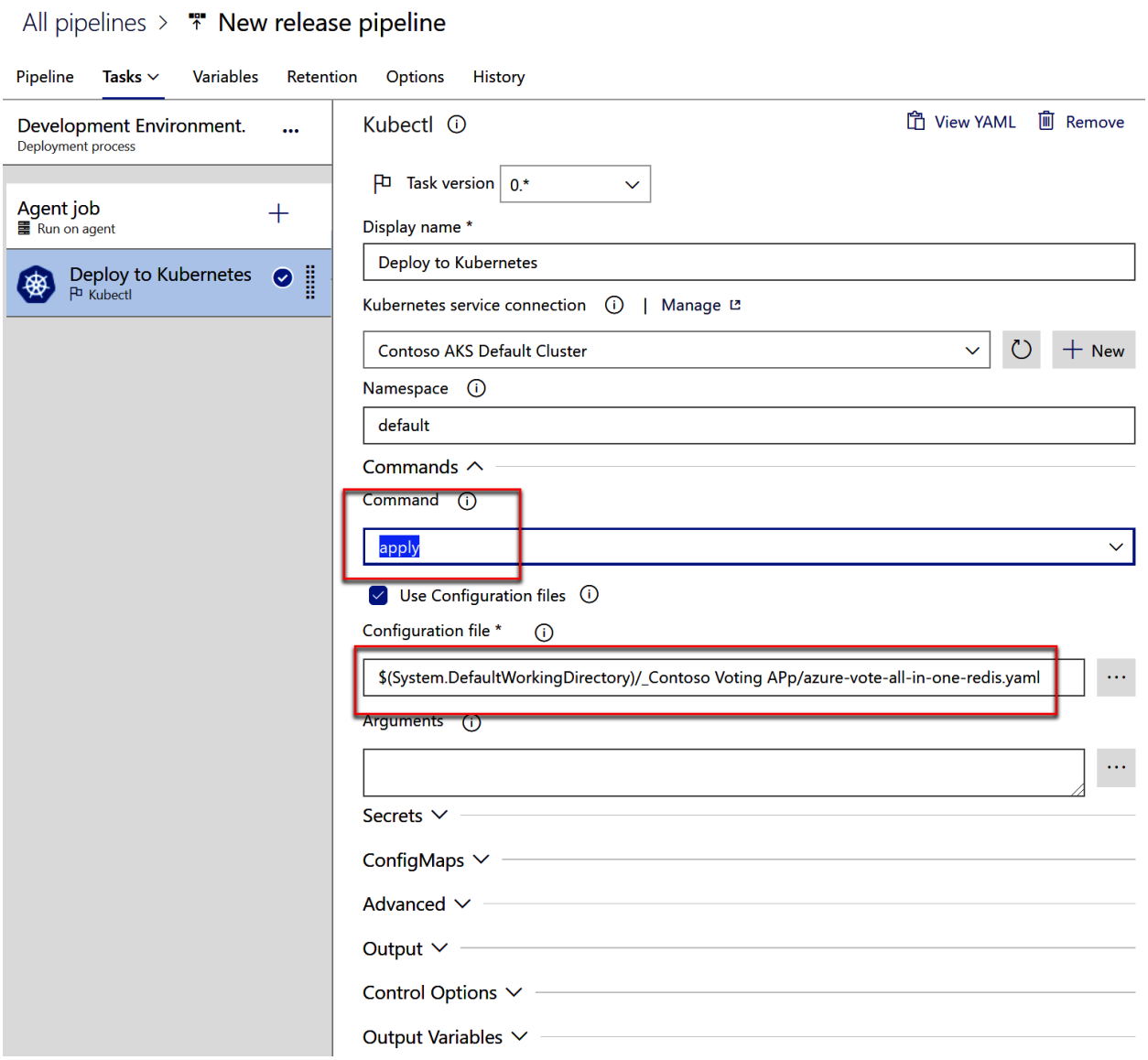

Home > microsoft.aks-20200826075419 > Contoso-Stage-AKS > Contoso-Voting-Stage > ContosoStageACR >
ContosoStageACR | Repositories
Container registry
Search (Ctrl+/)
Overview
Activity log
Access control (IAM)
Tags
Quick start
Events
Settings
Access keys
Encryption
Identity
Networking
Security
Locks
Export template
Services
Repositories
Refresh
Search to filter repositories ...
Repositories
contosovotingapp
contosovotingapp
Repository
Refresh
Delete
Essentials
Repository : contosovotingapp
Tag count : 1
Last updated date : 8/26/2020, 11:14 AM PDT
Manifest count : 1
Search to filter tags ...
Tags
48

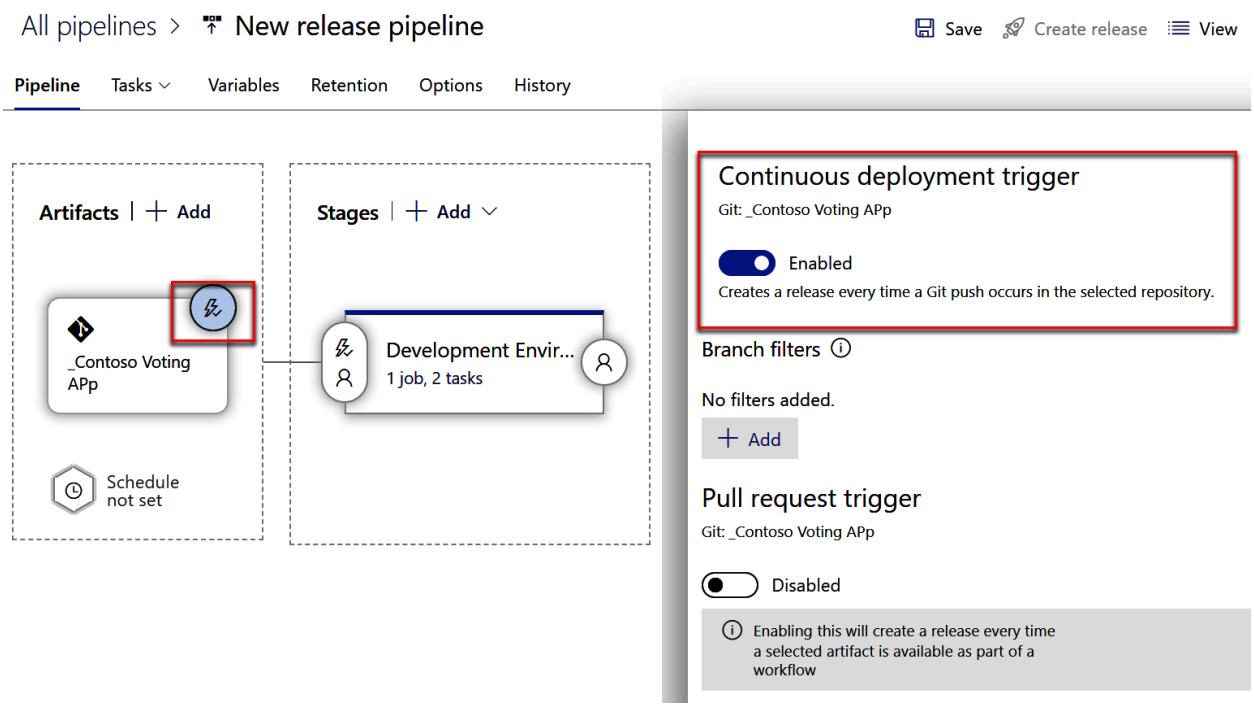

contosovotingapp:48
sha256:f5b2a842b7c3e760f975f70b4b09ac6b5454916f23977376062a3e12b2bac259
Essentials
Repository : contosovotingapp
Digest : sha256:f5b2a842b7c3e760f975f70b4b09ac6b5454916f23977376062a3e12b2bac...
Tag : 48
Manifest creation date : 8/26/2020, 11:14 AM PDT
Tag creation date : 8/26/2020, 11:14 AM PDT
Platform : linux / amd64
Tag last updated date : 8/26/2020, 11:14 AM PDT
Docker pull command
docker pull contosostageacr.azurecr.io/contosovotingapp:48
Manifest
{
"schemaVersion": 2,
"mediaType": "application/vnd.docker.distribution.manifest.v2+json",
"config": {


Contoso Voting App-Docker container-CI
Tasks
Variables
Triggers
Options
Retention
History
Save & queue
Discard
Summary
Queue
Continuous integration
Contoso Voting APp
Enabled
Scheduled
Add
No builds scheduled
Build completion
Add
Build when another build completes
Contoso Voting APp
Enable continuous integration
Batch changes while a build is in progress
Branch filters
Type
Branch specification
Include
master
Add
Path filters
Add
Select a template
kubernetes
Or start with an
Empty job
Featured
Deploy to a Kubernetes cluster
Deploy, configure, update your containerized applications to a Kubernetes cluster.

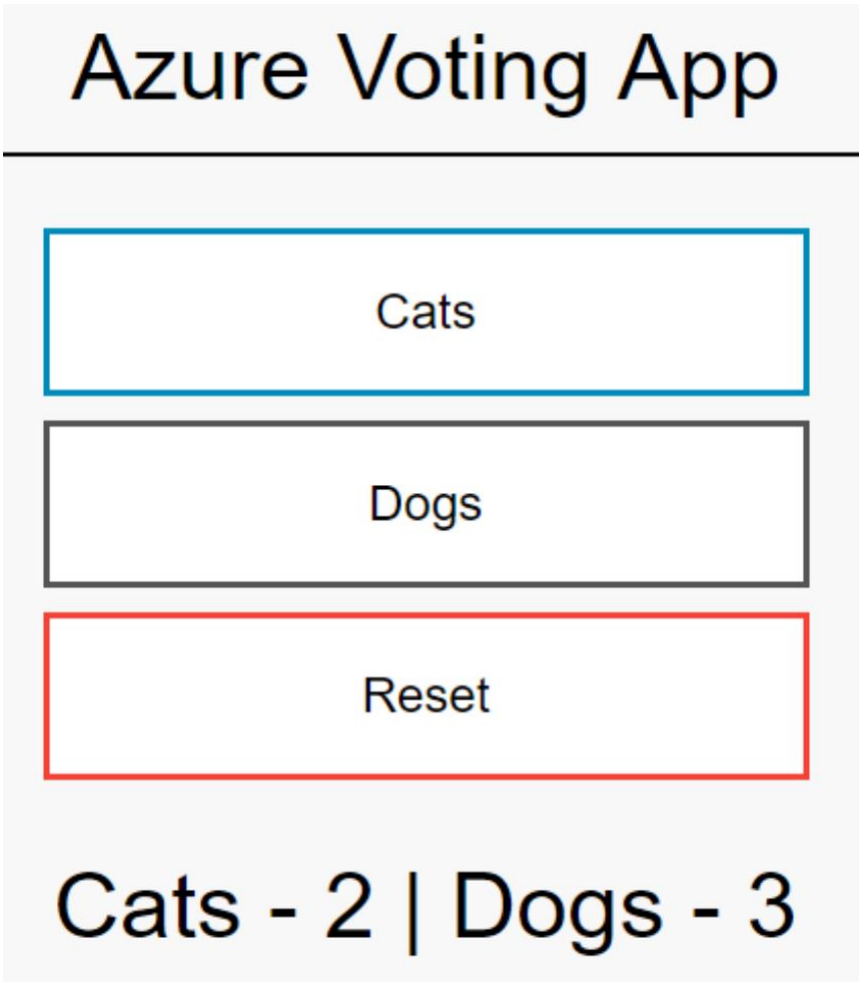

Add an artifact
Source type
Build
Azure Re...
GitHub
TFVC
5 more artifact types
Project *
Contoso Voting APp
Source (repository) *
Contoso Voting APp
Default branch *
master
Default version *
Latest from the default branch
Checkout submodules
Checkout files from LFS
Shallow fetch depth
Source alias *
_Contoso Voting APp
Add

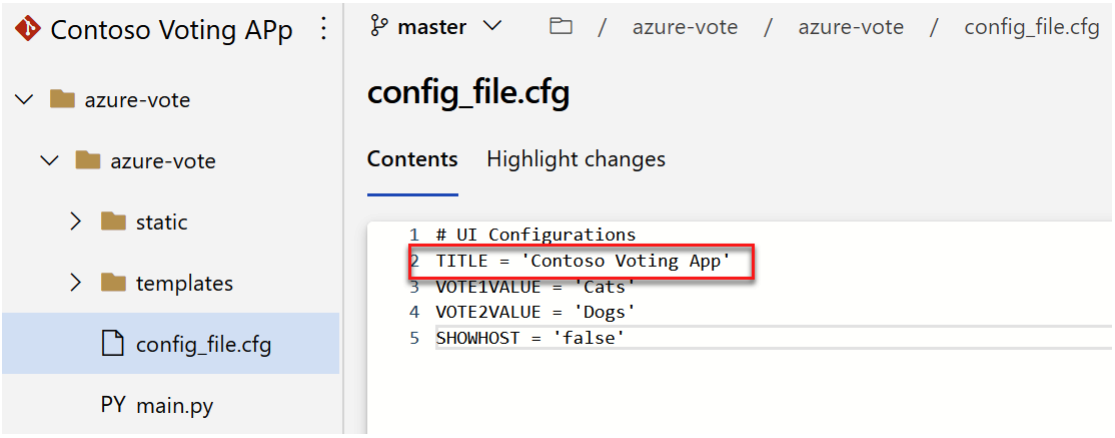

New service connection
Authentication method
KubeConfig
Service Account
Azure Subscription
Cluster
Contoso-Stage-AKS (Contoso-Voting-Stage)
Namespace
default
Use cluster admin credentials
Details
Service connection name
Contoso AKS Default Cluster
Description (optional)
Security
Grant access permission to all pipelines
Select a file or folder
Linked artifacts
_Contoso Voting APp (Azure Repos Git)
azure-vote
jenkins-tutorial
.gitignore
azure-vote-all-in-one-redis.yaml
docker-compose.yaml
LICENSE
README.md
The artifacts published by each version will be available for deployment in release pipelines. The last successful version of _Contoso Voting APp (Azure Repos Git) published the following artifacts: azure-vote, jenkins-tutorial, .gitignore and 4 more.
Location _Contoso Voting APp/azure-vote-all-in-one-redis.yaml
OK
Cancel


All pipelines > New release pipeline
Pipeline
Tasks
Variables
Retention
Options
History
Development Environment.
Deployment process
Agent job
Run on agent
Deploy to Kubernetes
Kubectl
Kubectl
View YAML
Remove
Task version
0.*
Display name *
Deploy to Kubernetes
Kubernetes service connection
Manage
Contoso AKS Default Cluster
New
Namespace
default
Commands
Command
apply
Use Configuration files
Configuration file *
$(System.DefaultWorkingDirectory)/_Contoso Voting APp/azure-vote-all-in-one-redis.yaml
Arguments
Secrets
ConfigMaps
Advanced
Output
Control Options
Output Variables




```
amit@Azure:~$ kubectl get pods
NAME                                READY     STATUS    RESTARTS   AGE
azure-vote-back-f9cc849fb-dzw6j     1/1       Running   0          3m
azure-vote-front-fb8f5c676-9cz2l    1/1       Running   0          3m
azure-vote-front-fb8f5c676-bdnp5    1/1       Running   0          3m
azure-vote-front-fb8f5c676-kdpn4    1/1       Running   0          3m
azure-vote-front-fb8f5c676-sr2ff    1/1       Running   0          3m
amit@Azure:~$ kubectl get services
NAME               TYPE           CLUSTER-IP     EXTERNAL-IP      PORT(S)        AGE
azure-vote-back    ClusterIP      10.0.59.133    <none>           6379/TCP       3m
azure-vote-front   LoadBalancer   10.0.207.40    13.76.128.239    80:30559/TCP   3m
kubernetes         ClusterIP      10.0.0.1       <none>           443/TCP        15d
amit@Azure:~$
```


Azure Voting App
Cats
Dogs
Reset
Cats - 2 | Dogs - 3


Contoso Voting APp
azure-vote
azure-vote
static
templates
config_file.cfg
main.py
master
/ azure-vote / azure-vote / config_file.cfg
config_file.cfg
Contents
Highlight changes
1 # UI Configurations
2 TITLE = 'Contoso Voting App'
3 VOTE1VALUE = 'Cats'
4 VOTE2VALUE = 'Dogs'
5 SHOWHOST = 'false'