

WorkshopPLUS - Essentials on Azure DevOps Services and GitHub

Lab Guides

Conditions and Terms of Use

Microsoft Confidential

This training package is proprietary and confidential, and is intended only for uses described in the training materials. Content and software is provided to you under a Non-Disclosure Agreement and cannot be distributed. Copying or disclosing all or any portion of the content and/or software included in such packages is strictly prohibited.

The contents of this package are for informational and training purposes only and are provided **as is** without warranty of any kind, whether express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, and non-infringement.

Training package content, including URLs and other Internet Web site references, is subject to change without notice. Because Microsoft must respond to changing market conditions, the content should not be interpreted to be a commitment on the part of Microsoft, and Microsoft cannot guarantee the accuracy of any information presented after the date of publication. Unless otherwise noted, the companies, organizations, products, domain names, e-mail addresses, logos, people, places, and events depicted herein are fictitious, and no association with any real company, organization, product, domain name, e-mail address, logo, person, place, or event is intended or should be inferred.

Copyright and Trademarks

© 2017 Microsoft Corporation. All rights reserved.

Microsoft may have patents, patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this document. Except as expressly provided in written license agreement from Microsoft, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property.

Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Microsoft Corporation.

For more information, see Use of Microsoft Copyrighted Content at

<http://www.microsoft.com/en-us/legal/intellectualproperty/Permissions/default.aspx>

DirectX, Hyper-V, Internet Explorer, Microsoft, Outlook, OneDrive, SQL Server, Windows, Microsoft Azure, Windows PowerShell, Windows Server, Windows Vista, and Zune are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Other Microsoft products mentioned herein may be either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are property of their respective owners.

Module 2: Projects

Lab 1: Projects

Introduction

In this lab, you will learn to perform operations and activities related to creating projects as well as viewing and changing settings for those projects. You will also create an organization which is a container for projects in Azure DevOps Services.

[Exercise 1: Manage Organizations](#)

[Exercise 2: Manage Projects](#)

[Exercise 3: Project Security](#)

[Exercise 4: Working with Teams](#)

[Exercise 5: Create and Customize Inherited Process](#)

[Exercise 6: Project Notifications](#)

Objectives

After completing this lab, you will be able to:

- Create new Organizations.
- Create new Projects.
- Explore the Teams feature.
- Create an inherited process template and customize inherited process to create default behaviors when creating new projects.
- Create and manage notifications.

Prerequisites

- None

Estimated Time to Complete This Lab

30 minutes

For More Information

[Plan your Organization Structure](#)

[Create a New Project in Azure DevOps](#)

Module 2: **Projects**, Lab 1: **Projects**, Exercise 1: Manage Organizations

Exercise 1: Manage Organizations

Objectives

After completing this exercise, you will be able to:

- Create an organization as a container for your projects

Prerequisites

- None

Scenario

In this exercise, you will learn how to create an organization.

Tasks

1. [Task 1: Create Azure DevOps organization](#)

Module 2: Projects, Lab 1: Projects, Exercise 1: Manage Organizations

Task 1: Create an Organization

1. Open your browser and navigate to <https://aex.dev.azure.com>.
2. When presented the **Sign in** page, enter your username, then click on the **Next** button.



Sign in

|Email, phone, or Skype

No account? [Create one!](#)

[Can't access your account?](#)

[Sign in with a security key](#) ⓘ

Next

3. When presented the **Enter password** page, enter your password, then click on the **Sign in** button.



← student1-13431135@lodsasdoutlook.onmicros...

Enter password

Password

[Forgot my password](#)

Sign in

4. Choose your Country/Region then click **Continue**.

We need a few more details

Your name:

We'll reach you at:

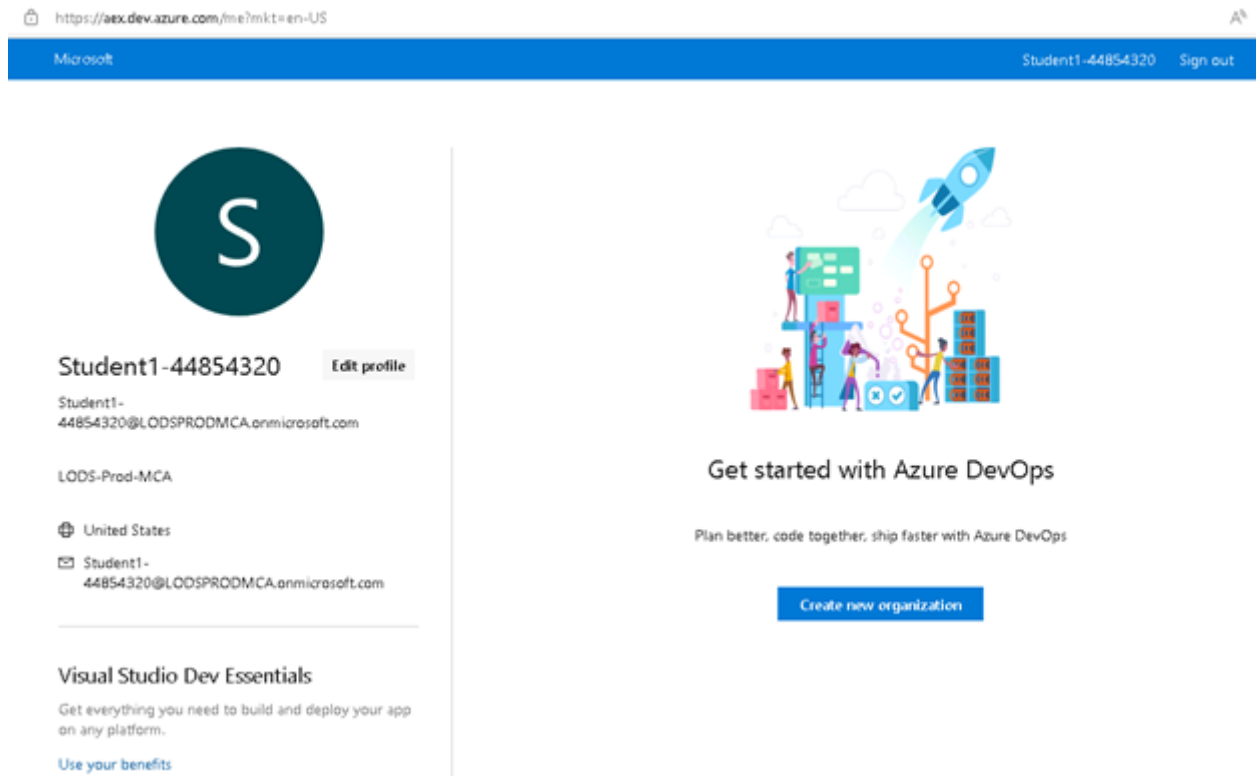
From:

I would like to receive information, tips, and resources related to Microsoft developer tools and services, including Azure DevOps, Visual Studio, Visual Studio Subscriptions, and other Microsoft products and services. [Privacy Statement](#).

Continue

To keep our lawyers happy:
By continuing, you agree to the [Terms of Service](#), [Privacy Statement](#), and [Code of Conduct](#).

5. Click **Create new organization**.



https://aex.dev.azure.com/me?mkt=en-US

Microsoft Student1-44854320 Sign out

S

Student1-44854320 Edit profile

Student1-44854320@LODSPRODMCA.onmicrosoft.com

LODS-Prod-MCA

United States

Student1-44854320@LODSPRODMCA.onmicrosoft.com

Visual Studio Dev Essentials

Get everything you need to build and deploy your app on any platform.

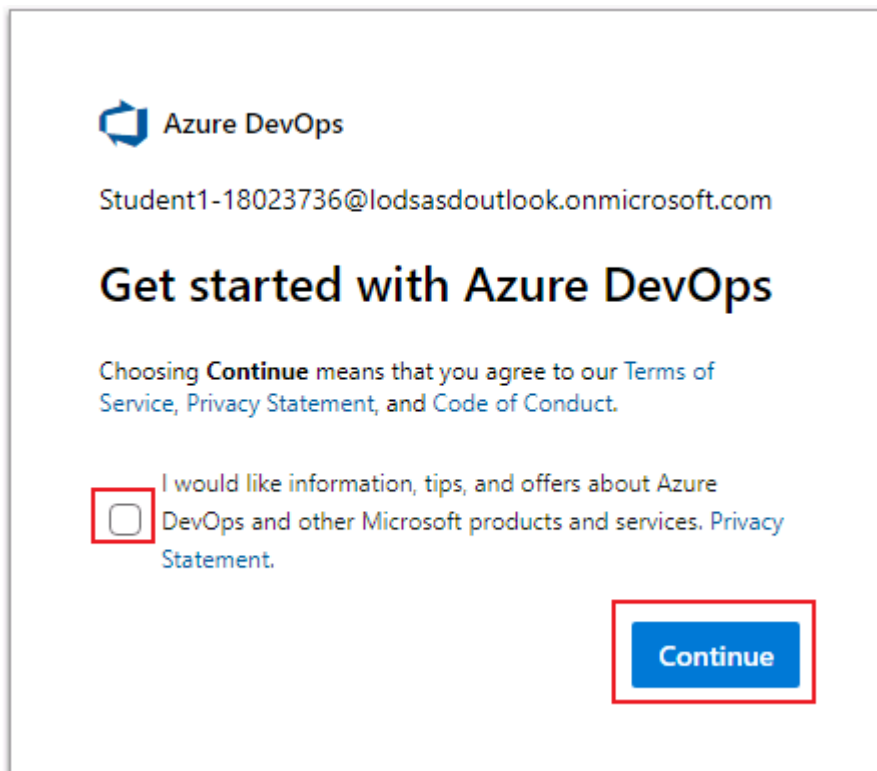
[Use your benefits](#)


Get started with Azure DevOps

Plan better, code together, ship faster with Azure DevOps

[Create new organization](#)

6. Uncheck the box to receive information, tips, and offers about Azure DevOps and other Microsoft products and services. Click on the **Continue** button.



 **Azure DevOps**

Student1-18023736@lodsasdoutlook.onmicrosoft.com


Get started with Azure DevOps

Choosing **Continue** means that you agree to our [Terms of Service](#), [Privacy Statement](#), and [Code of Conduct](#).

☐ I would like information, tips, and offers about Azure DevOps and other Microsoft products and services. [Privacy Statement](#).

[Continue](#)

7. Change the name of your organization to **AppInnovation-[YourName]** and optionally change the region selected for your new organization. Provide your **Captcha** phrase to verify creating a new organization, then click on **Continue**.

 **Azure DevOps**

Student1-44854320@LODSPRODMCA.onmicrosoft.com

Almost done...

Name your Azure DevOps organization *


dev.azure.com/ ApplInnovation-44854320

We'll host your projects in

United States

Enter the characters you see

New **Audio**



Continue

8. When presented the *Create a project to get started page*, provide **temp** as the Project name then click on the + **Create project** button to continue.

Create a project to get started

Project name *

temp



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

The temp project that you created uses the **Basic** process template. In the next steps, we will create new projects using the **Agile** and **Scrum** process templates.

Please see [Plan your Organizational Structure](#) for more information. Here you will find information about various designs to address context switching, or roll-up reporting and portfolio management.

Module 2: **Projects**, Lab 1: **Projects**, Exercise 2: Manage Projects

Exercise 2: Manage Projects

Objectives

After completing this exercise, you will be able to:

- Create new projects using Scrum and Agile processes.
- Understand the differences between the default processes.

Prerequisites

- Complete [Exercise 1](#)

Scenario

In this exercise, you will create two new projects under the organization you created in the previous exercise. You will use both the Scrum and Agile processes to create these projects. You will then examine the projects in detail to understand the differences in the processes.

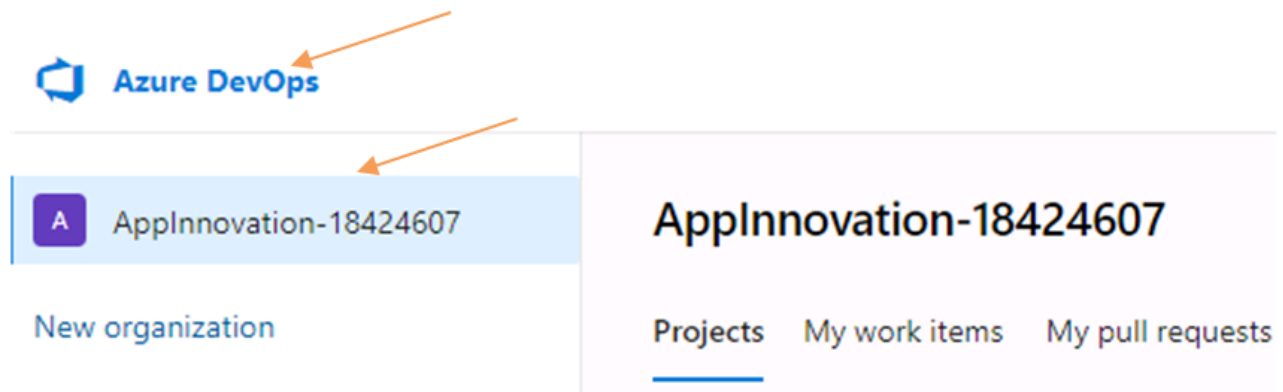
Tasks

1. [Task 1: Create the EmployeeTracking project using Scrum](#)
2. [Task 2: Create the CustomerPortal project using Agile](#)
3. [Task 3: Open CustomerPortal and EmployeeTracking projects in the Web Portal](#)

Module 2: Projects, Lab 1: Projects, Exercise 2: Manage Projects

Task 1: Create the EmployeeTracking project using Scrum

1. Click the **Azure DevOps** logo on the upper left corner, then click on your **ApplInnovation-[YourName]** organization in the left navigation to show all available projects currently in the organization.



2. Click on the **+ New Project** button in the top right of the page to create a new project
3. Use the information below to create the **EmployeeTracking** project:
 1. Project Name: EmployeeTracking
 2. Description: Project to help connect employees with customers.
 3. Visibility: Choose **Private**
 4. **Advanced:**
 5. Version Control: **Git**
 6. Work Item Process: **Scrum**

Create new project



Project name *

EmployeeTracking

Description

Project to help connect employees with customers.

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



Work item process ?

Scrum



Cancel

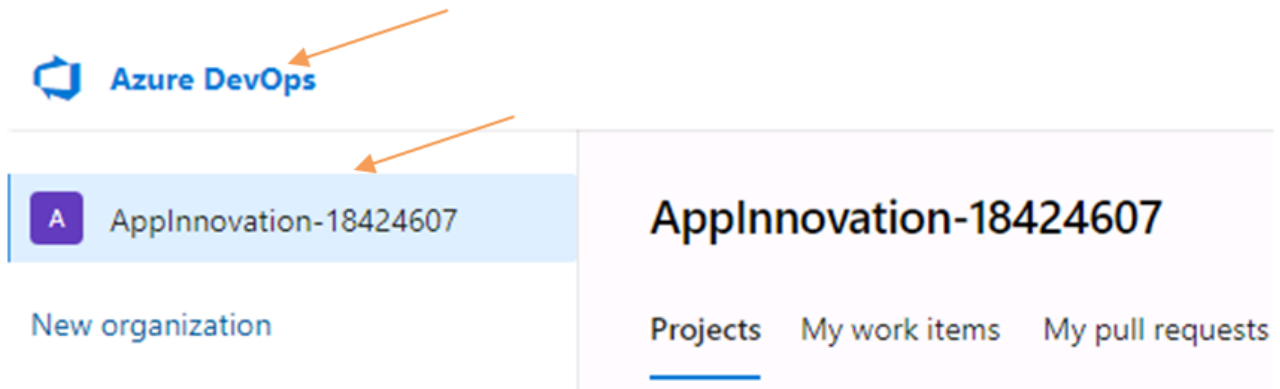
Create

4. Click the **Create** button to create your new project

Module 2: Projects, Lab 1: Projects, Exercise 2: Manage Projects

Task 2: Create the CustomerPortal project using Agile

1. Click the **Azure DevOps** logo on the upper left corner to open the Projects page



2. Click on the **+ New Project** button in the top right of the page to create a new project
3. Use the information below to create the **CustomerPortal** project:
 1. Project Name: CustomerPortal
 2. Description: Customer portal to connect with employees.
 3. Visibility: Choose **Private**
 4. **Advanced:**
 5. Version Control: **Git**
 6. Work Item Process: **Agile**

Create new project



Project name *

CustomerPortal

Description

Customer portal to connect with employees.

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

Version control ?

Git

Work item process ?

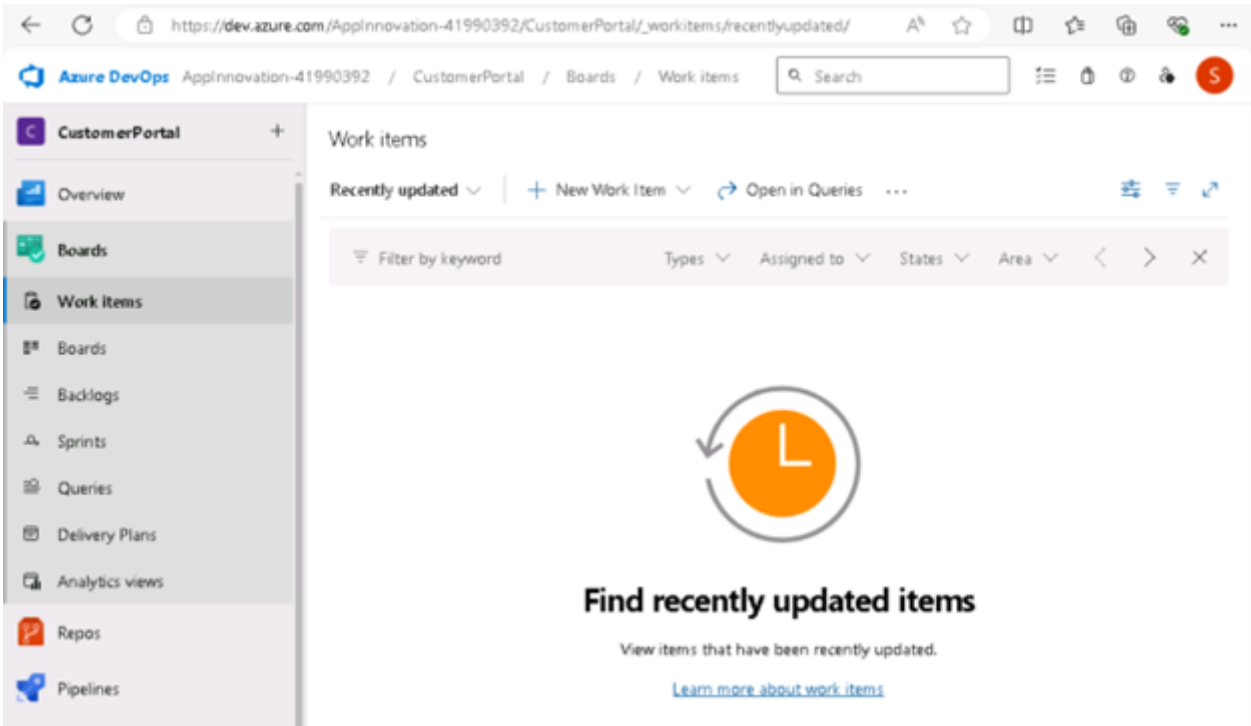
Agile

4. Click the **Create** button to create your new project

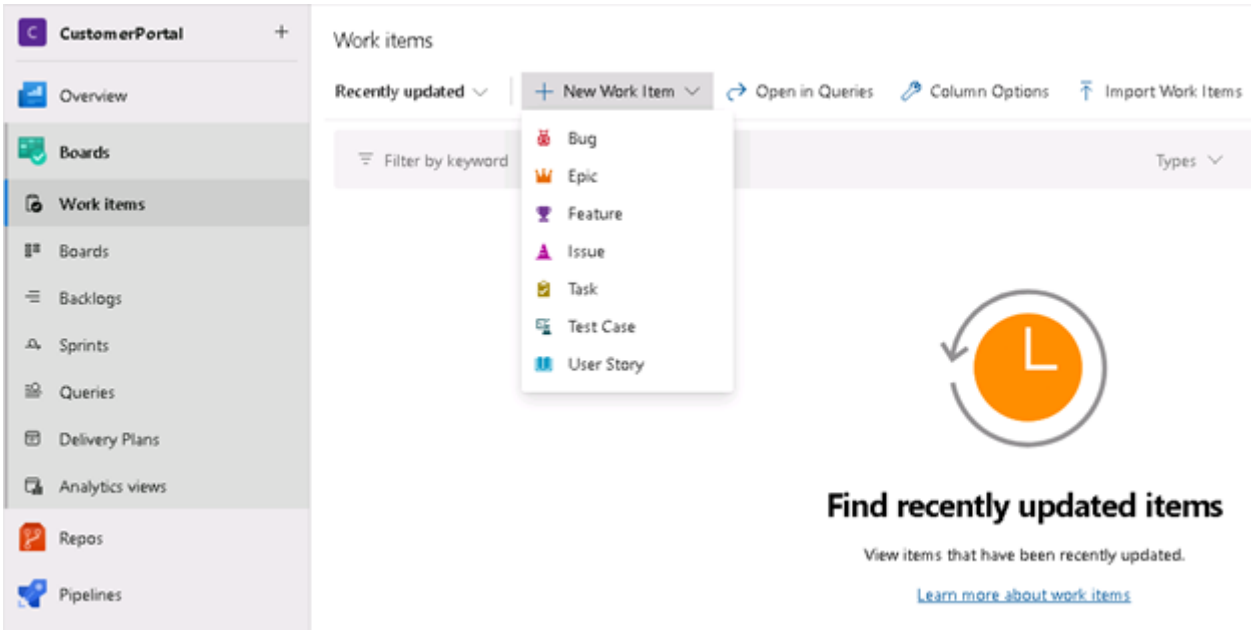
Module 2: Projects, Lab 1: Projects, Exercise 2: Manage Projects

Task 3: Open CustomerPortal and EmployeeTracking projects in the Web Portal

- 1. Within Azure DevOps Services browser page, make sure you are in the **CustomerPortal** project. Select **Boards | Work Items**.

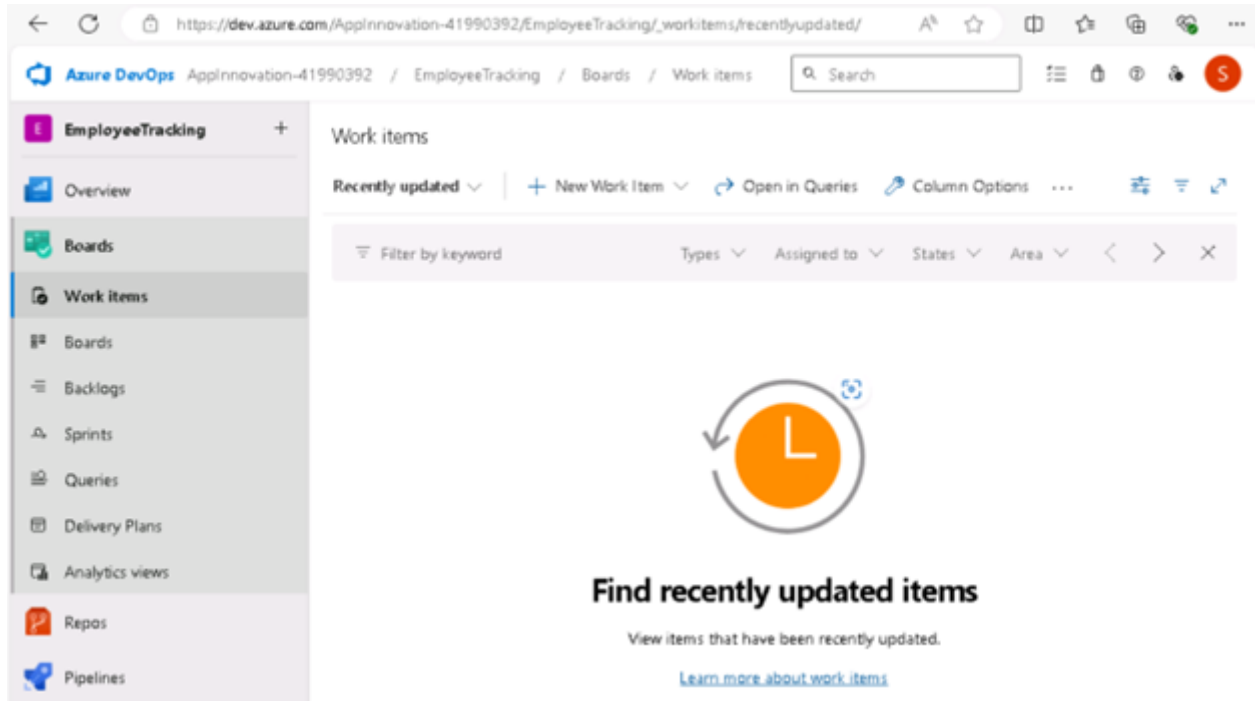


- 2. Click on the **New Work Item** dropdown to see the list of different types of work items. Note the work item types such as Issue, User Story that are specific to the Agile Process Template.

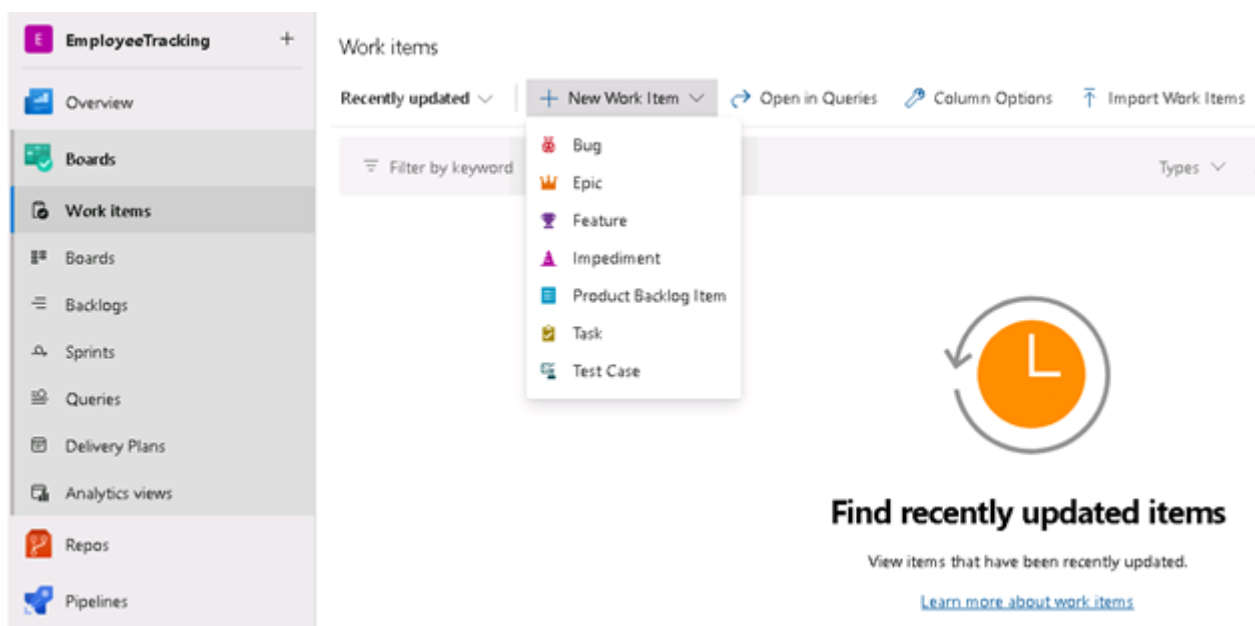


Next, we will connect to the EmployeeTracking project so we can compare and review the differences of the Scrum and Agile process templates.

- Click the **Azure DevOps** logo on the upper left corner to open the Projects page. Choose **EmployeeTracking** project. Select **Boards | Work Items**.



- Click on the **New Work Item** dropdown to see the list of different types of work items. Note the work item types such as Impediment, Product Backlog Item that are specific to the Scrum Process Template.



Azure Boards offers various processes to choose from for managing work items. Selecting the right process is essential for optimizing a project workflow and ensuring its success. The default processes differ mainly in the work item types they provide for planning and tracking work. The default processes are:

- Basic: Is the most lightweight and is in a selective preview.
- Scrum: Is the next most lightweight.
- Agile: Supports many Agile method terms.
- CMMI: Provides the most support for formal processes and change management.

Module 2: **Projects**, Lab 1: **Projects**, Exercise 3: Project Settings

Exercise 3: Project Security

Objectives

After completing this lab, you will be able to:

- Examine and understand project security.

Prerequisites

- Complete [Exercise 2](#)

Scenario

In this exercise, you will examine the Security settings that can be configured at the Project level. Notifications, Work Item Areas and Iterations will be discussed in detail in another lab.

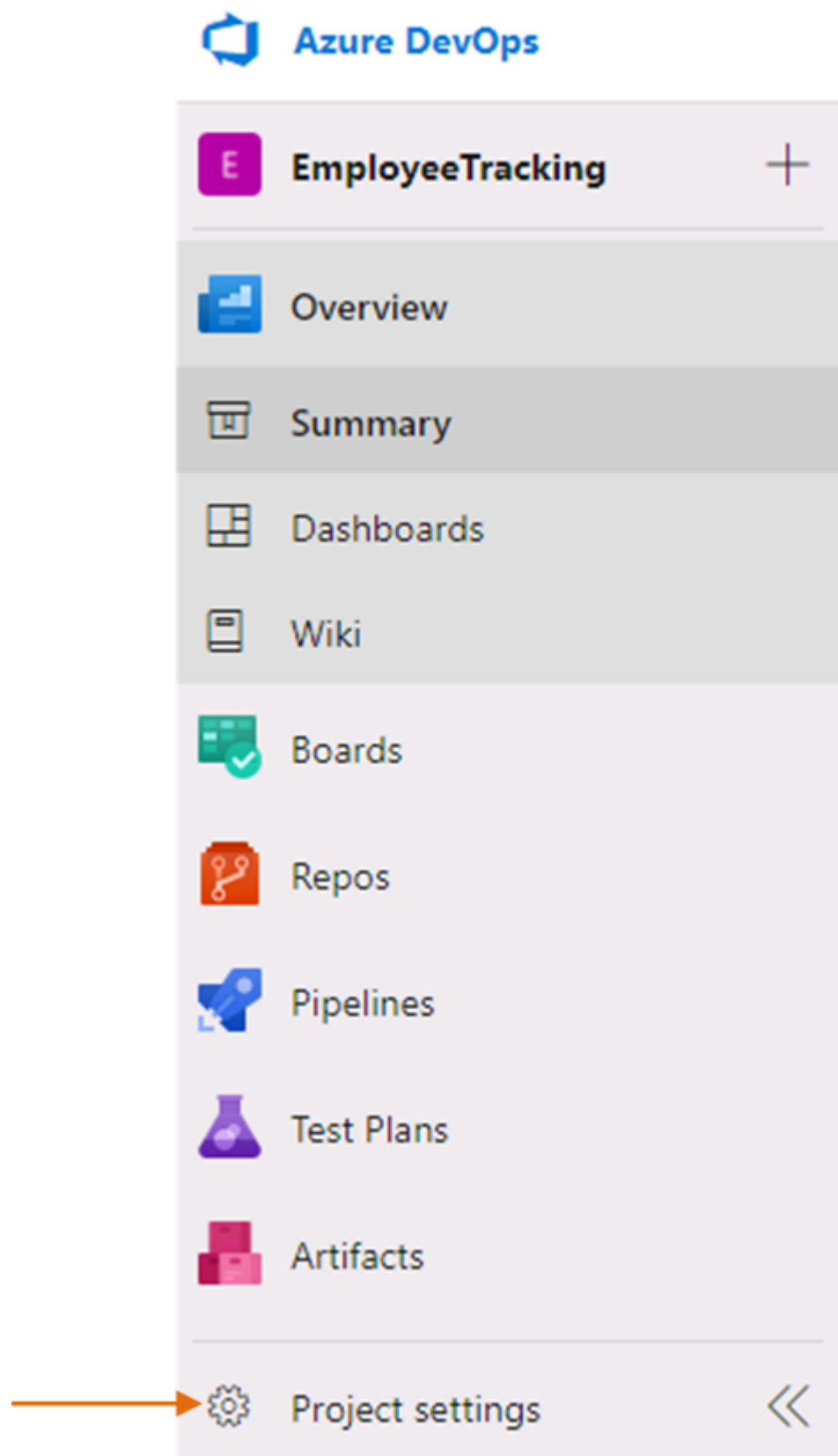
Tasks

1. [Task 1: Security: Groups](#)

Module 2: Projects, Lab 1: Projects, Exercise 3: Project Settings

Task 1: Security: Groups

1. Navigate to the **EmployeeTracking** project in the browser by opening Azure DevOps Services, then click on the **Project Settings** link in the bottom left corner.



2. Click the **Permissions** link on the **Settings** page of EmployeeTracking project.

Project Settings
EmployeeTracking

General

- Overview
- Teams
- Permissions**
- Notifications
- Service hooks
- Dashboards

Boards

Permissions

Groups Users

Search groups

Total 6

Name	Description	Type ↓	Members
Build Administrators	Members of this group can create, modify and delete build definitions and manage queued and completed builds.	Group	0
Contributors	Members of this group can add, modify, and delete items within the team project.	Group	1
Project Administrators	Members of this group can perform all	Group	1

Permissions settings allow you to manage access control to the project. The preferred way to manage permissions is to use groups. Groups allow you to consolidate all users who require the same access control into a single point and you grant access control to the group instead of individual users. This will make the management of access control easier and less error-prone.

- You can grant or deny permission for actions that pertain to projects through **Permissions**.
- You can add users to the group through the **Users** tab. Users can be a Microsoft account, Microsoft Entra account or Azure DevOps group.

Module 2: Projects, Lab 1: Projects, Exercise 4: Working with Teams

Exercise 4: Working with Teams

Objectives

After completing this lab, you will:

- Understand the concept of teams.
- Create and configure teams.

Prerequisites

- Complete [Exercise 2](#)

Scenario

A software project is usually broken down into components and features that smaller teams work on. Collectively, these small teams constitute the entire project team. Teams are a way of breaking down a big team into smaller logical teams. Azure DevOps Services turns the often-intangible details of who the team is, what the team is doing, and when the team expects to be doing it into traceable, easily usable information for each of those aspects. A team also has a security container, which has access control applied to it and enforced to all members of the team. A team can also have a default Area assigned to it.

Using the **EmployeeTracking** project, which was created earlier using Scrum, you will look at the default team that is created as part of the project. You will also create and configure a new team and review it.

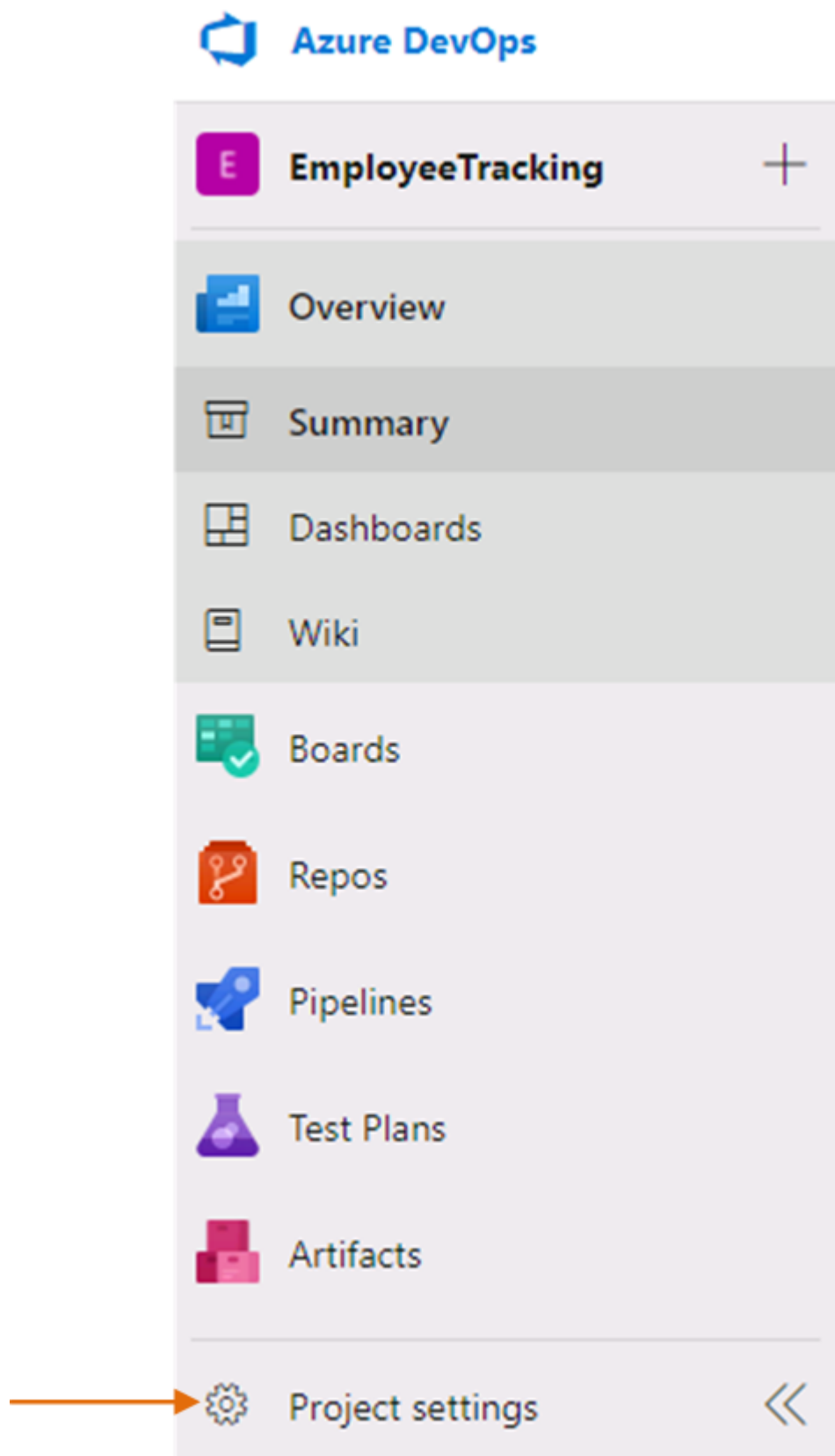
Tasks

1. [Task 1: Create a New Team](#)
2. [Task 2: Add New Team Members](#)
3. [Task 3: Review project settings](#)

Module 2: **Projects**, Lab 1: **Projects**, Exercise 4: Working with Teams

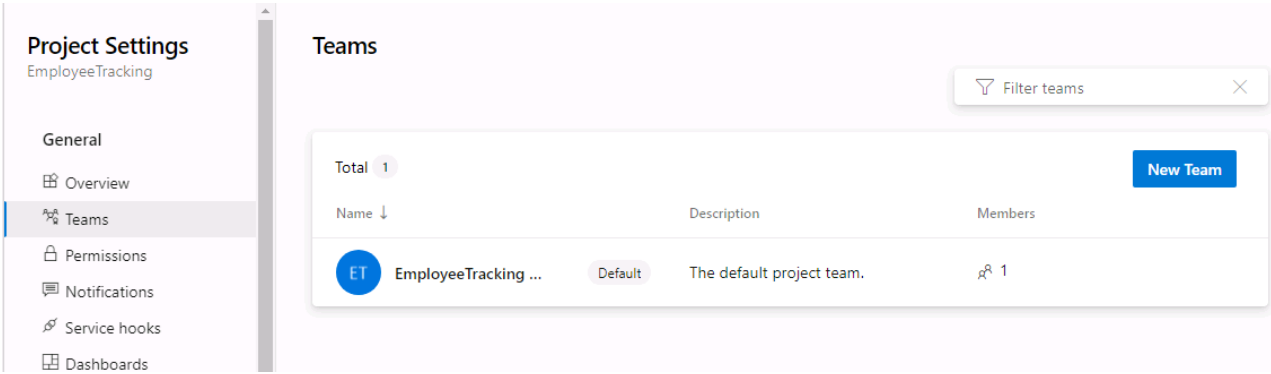
Task 1: Create a New Team

1. Navigate to the **EmployeeTracking** project in the browser by opening Azure DevOps Services, then click on the **Project Settings** link in the bottom left corner.



2. In the **General** section, click the **Teams** link.

3. Click **New Team**.



The **Create new team** window opens. When you create a team, you can assign a security group to it and create a default area path for that team.

4. In the **Create new team** windows, create a new team called **Database**. **Create an area path with the name of the team** option should be selected by default. Click **Create**.

The checkbox for *Create an area path with the name of the team* creates a default area path for the team.

Create a new team ✕

Database

Members

Add members

Description

Add a description to your team this will appear in the team page

Administrators

S

 Student1-18864771

✕

+

The team creator is the default team administrator. You can add more team administrators.

☒ Add admin(s) to team as member(s)

Permissions

C

 [EmployeeTracking]\Contributors

✕

You can add your team to any existing security group to automatically inherit permissions.

☒ Create an area path with the name of the team

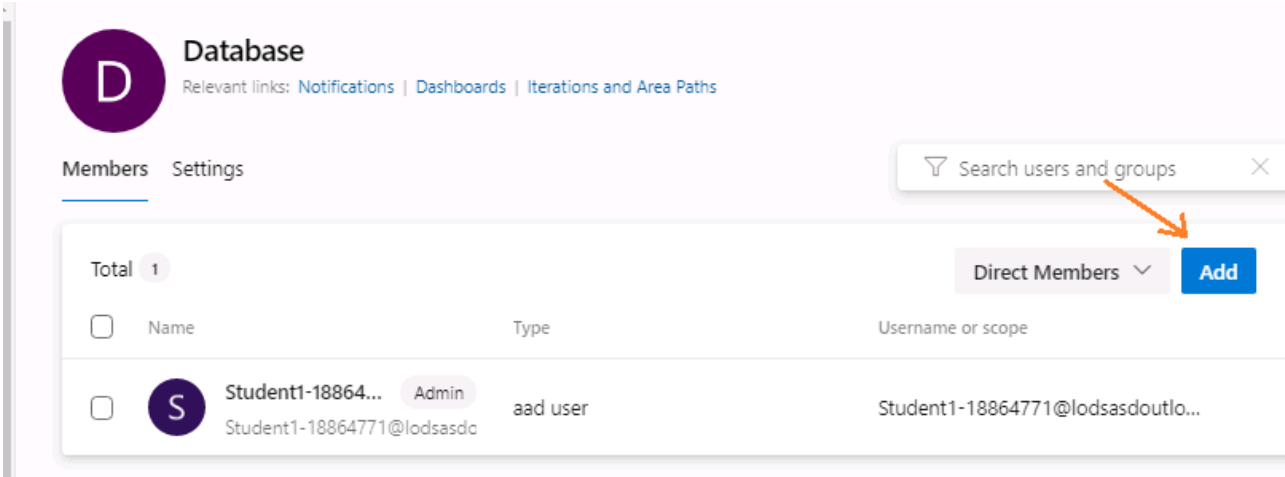
Cancel

Create

Module 2: Projects, Lab 1: Projects, Exercise 4: Working with Teams

Task 2: Add New Team Members

- 1. Click the **Database** team you have created. Note that the team has its own settings. You can also add new team members here.
- 2. Click **Add**.



- 3. You can type the username in the **Add users and/or groups** text box directly. Add **EmployeeTracking Team** and click **Save**.

If asked to sign-in again, enter your credentials

Invite members to Database



Search and add users and/or groups to your team

Add users and/or groups

ET

[EmployeeTracking]\EmployeeTracking Team

×

Search users or groups

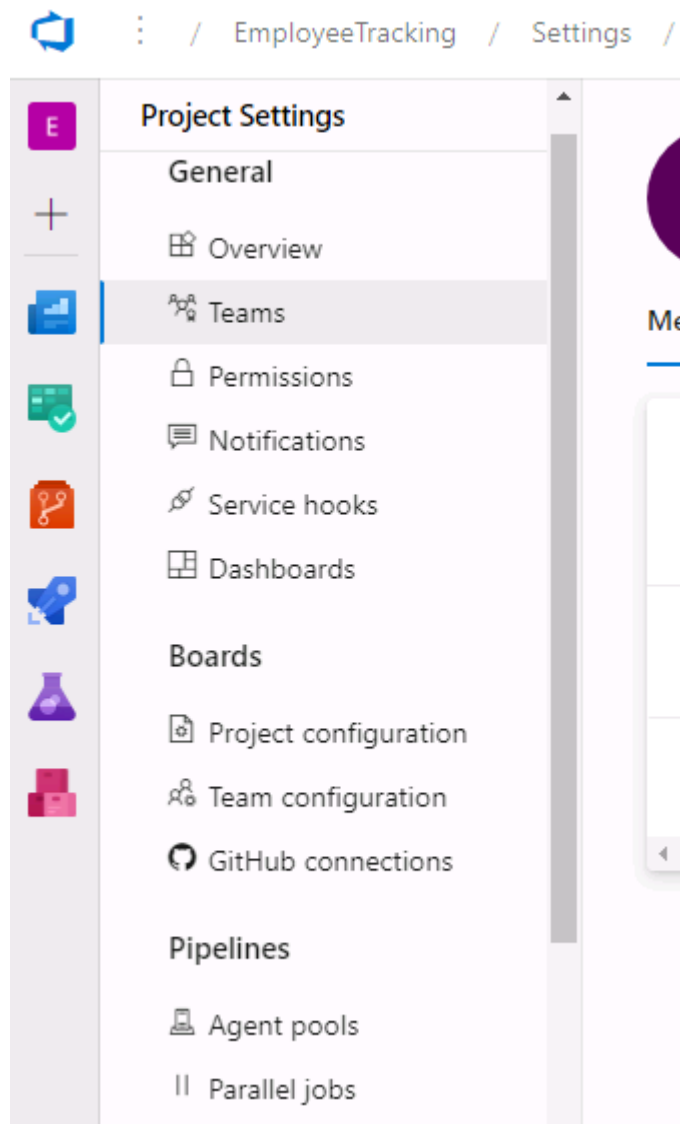
Cancel

Save

Module 2: Projects, Lab 1: Projects, Exercise 4: Working with Teams

Task 3: Review project settings

1. Navigate through different tabs to review different project settings.



2. Project settings are very similar to security settings. If you click the **Project configuration** tab under **Boards** and then **Areas**, you will see that there is also an area with the name of the team created.

Project Settings

EmployeeTracking

General

Overview

Teams

Permissions

Notifications

Service hooks

Dashboards

Boards

Project configuration

Team configuration

GitHub connections

Boards

Iterations

Areas

This project is currently using the Scrum process. T

Create and manage the areas for this project. These areas will backlog and what work items the team is responsible for. Le

To select areas for the team, go to the default team's setting

New

New child

|

+

-

Areas

Teams

EmployeeTracking

Database

Database

29 / 49

Module 2: **Projects**, Lab 1: **Projects**, Exercise 5: Create and Customize Inherited Process

Exercise 5: Create and customize inherited process

Objectives

After completing this lab, you will be able to:

- Create an inherited process and customize it.

Prerequisites

- Complete [Exercise 2](#)

Scenario

You will explore how to create a very basic custom process. The objective is to understand how processes can be customized. The customizations will be kept to a minimum.

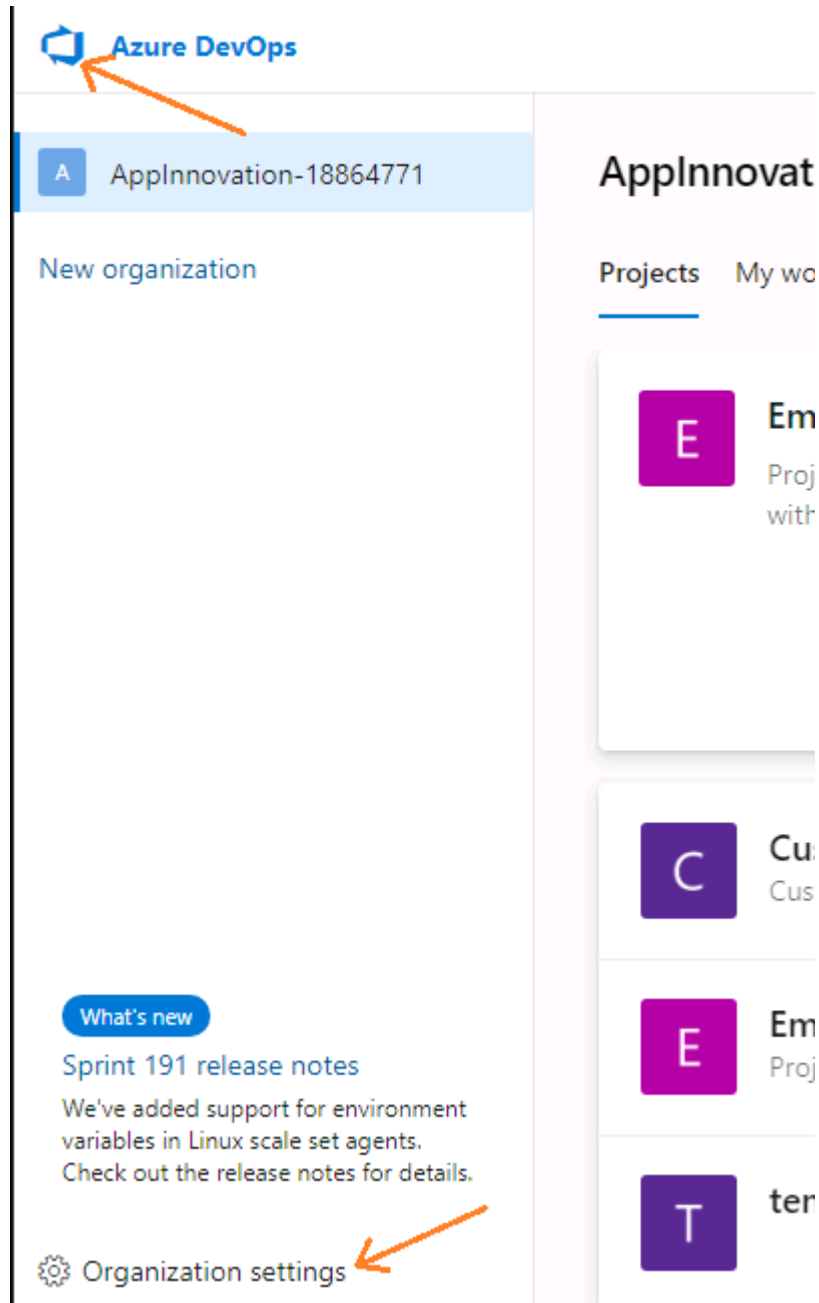
Tasks

1. [Task 1: Create an Inherited Process](#)
2. [Task 2: Open the Inherited Process](#)
3. [Task 3: Verify the Customization](#)

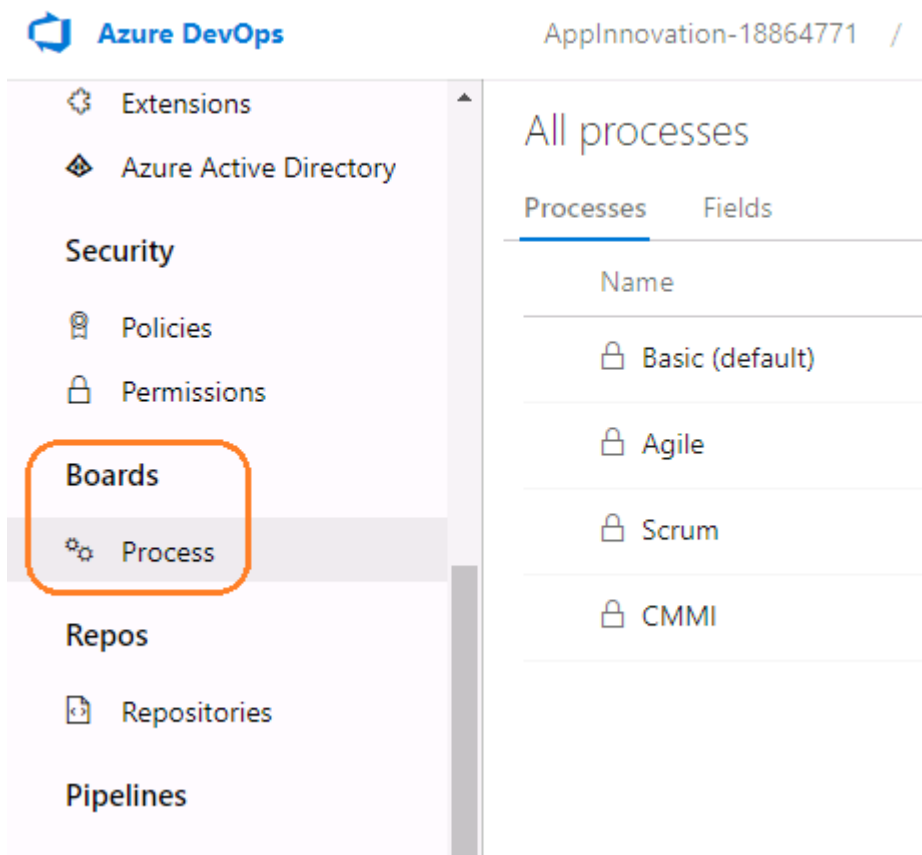
Module 2: Projects, Lab 1: Projects, Exercise 5: Create and Customize Inherited Process

Task 1: Create an inherited process

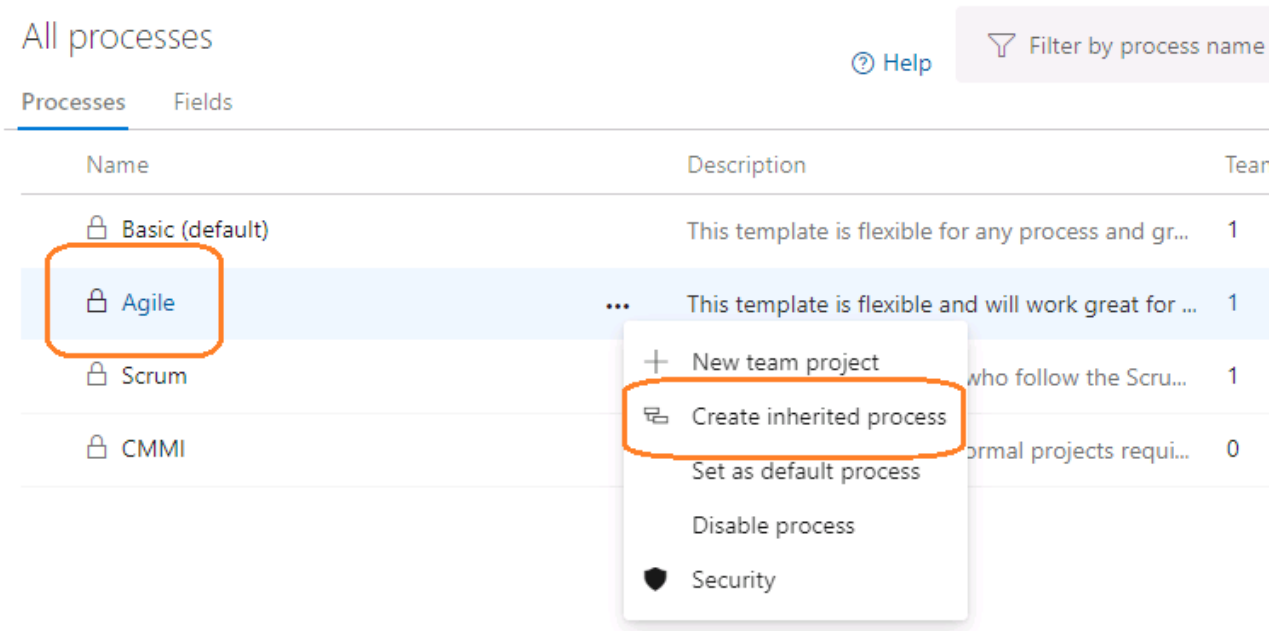
1. Click the **Azure DevOps** logo to open **Projects**. Then click **Organization settings** on the lower left corner.



2. Click **Process** under **Boards**.



3. You can create an inherited process from any one of the four system processes: Basic, Agile, Scrum, CMMI. From the **All processes** page, click on the ... **context menu** of the **Agile** and select **Create inherited process** to create an inherited process from Agile.



4. Enter **MyAgile** as the name for your process. You can optionally provide a description. Click **Create process**.

Create inherited process from Agile

Create a new inherited process to enable customizations.

Agile [system process]



Description

[Learn more](#)

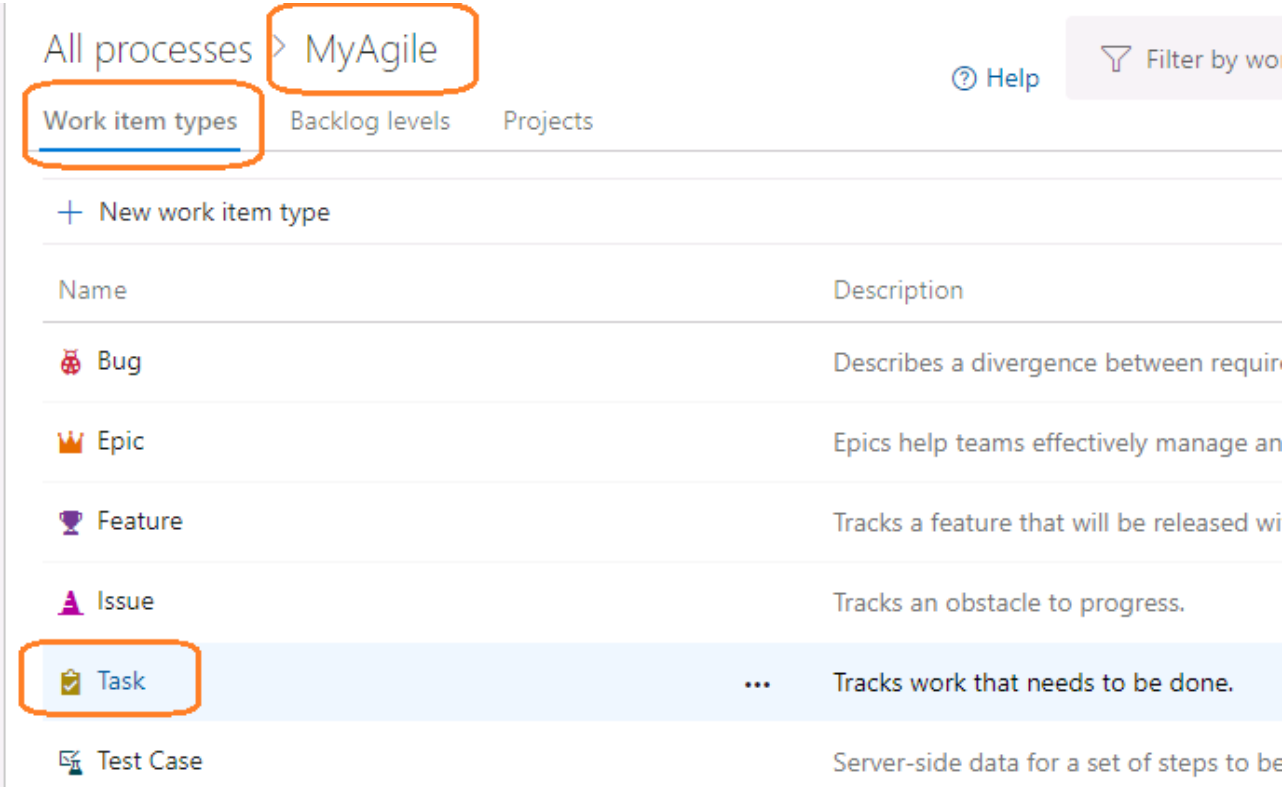
Create process

Cancel

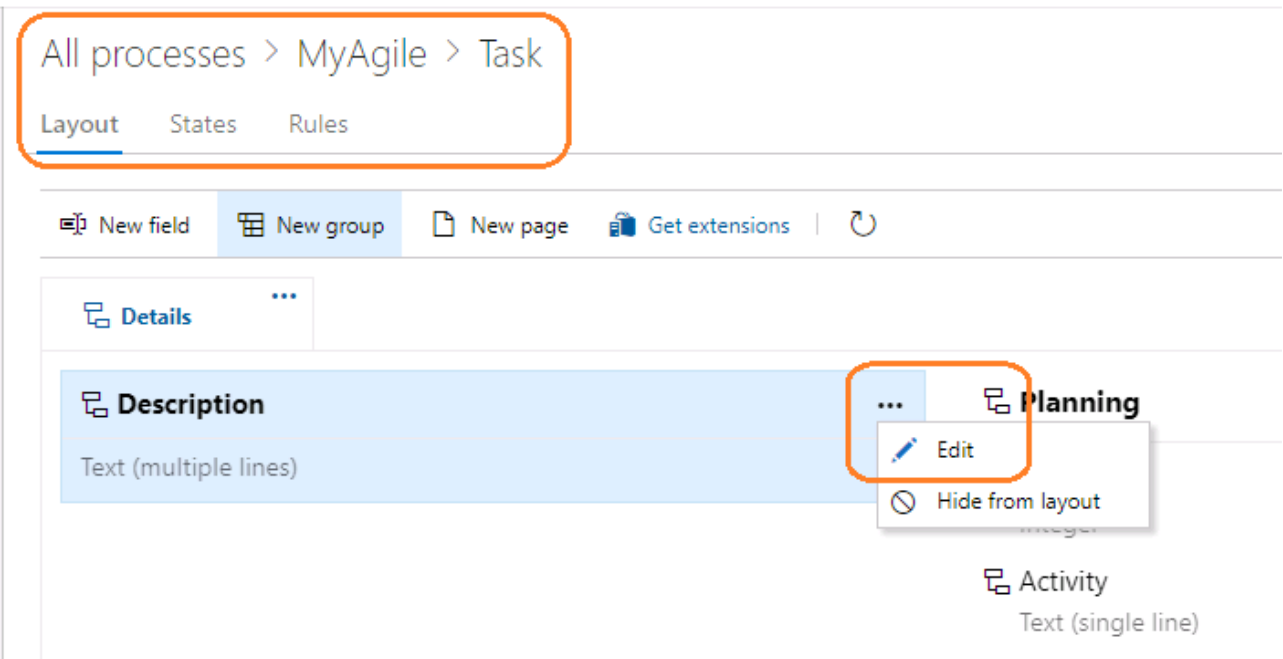
Module 2: Projects, Lab 1: Projects, Exercise 5: Create and Customize Inherited Process

Task 2: Open the inherited process

1. Click **MyAgile** and click **Task** from the **Work item types** tab.



2. Under **Layout** open the ... **context menu** of **Description** and click **Edit**.



3. Change the label to **MyLittleDescriptionChange** and click **Save**.

Edit field Description in Task

Definition

Options

Layout

Choose how the field is displayed on the work item form.

Label

MyLittleDescriptionChange

Page

Details

i Multi-line text fields are given a unique group in the column selected below.

Select the column for this group.

☒

☐

☐

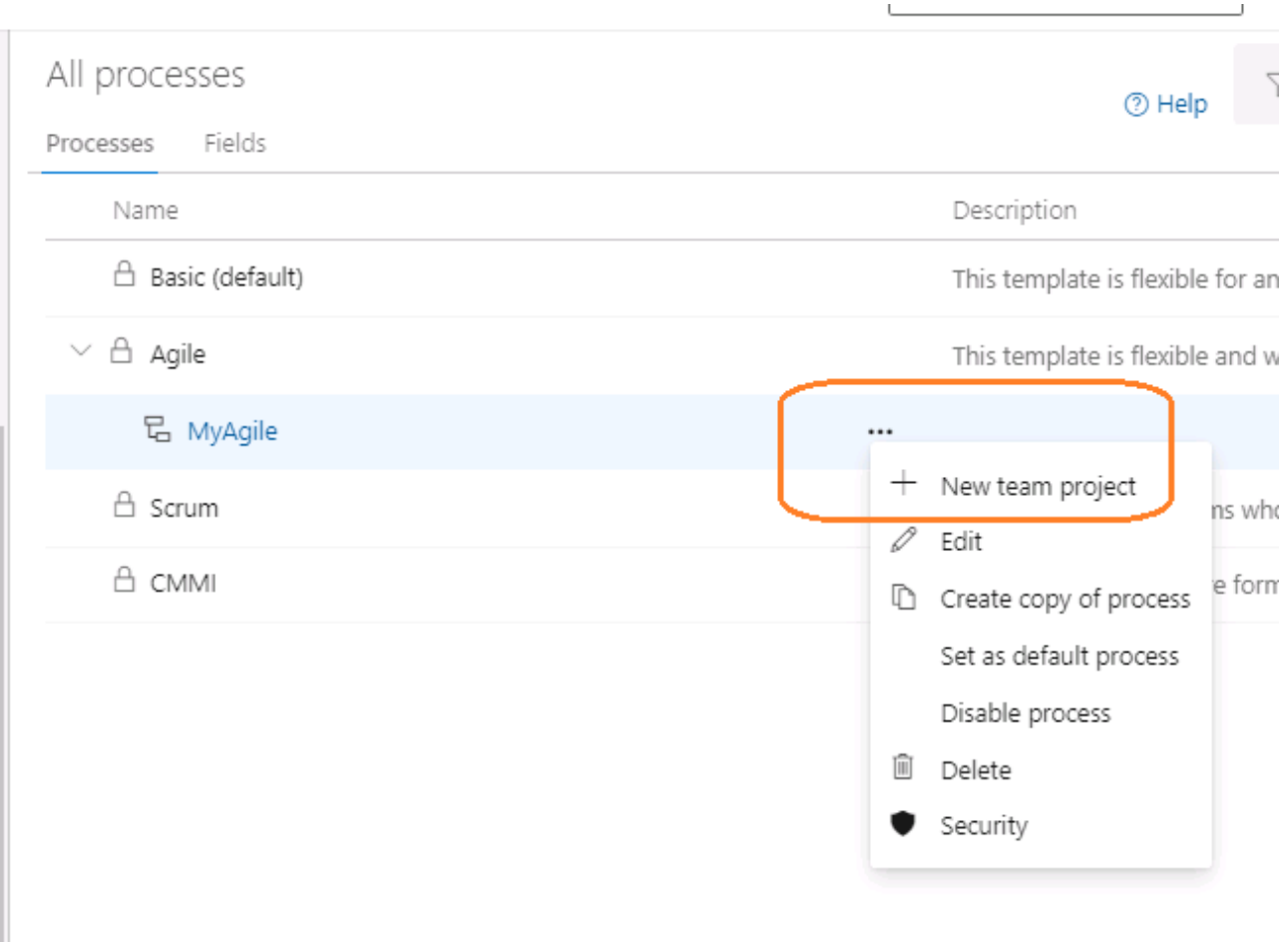
Save

Cancel

Module 2: Projects, Lab 1: Projects, Exercise 5: Create and Customize Inherited Process

Task 3: Verify the customization you made

- 1. Open the **All processes** page and click the ... **context menu** for the **MyAgile** process, and then click **New team project**.



- 2. Enter **MyAgileProject** as the project name, and set the visibility as **Private** , select **Git** from the **Version control** drop-down, and **MyAgile** from the Work item process drop-down. Click **Create**.

Create new project

×

Project name *

MyAgileProject

✓

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.

Advanced

Version control ?

Git

Work item process ?

MyAgile

Cancel

Create

Alternatively, you can also convert existing Agile project to use MyAgile process

Processes

Fields

Name	Description	Team pro
Basic (default)	This template is flexible for any process and gr...	1
<div><div>▼</div><div> Agile</div></div>	<div>...</div> <div>This template is flexible and will work great for ...</div>	<div>1</div>
MyAgile		0

All processes > Agile

Work item types

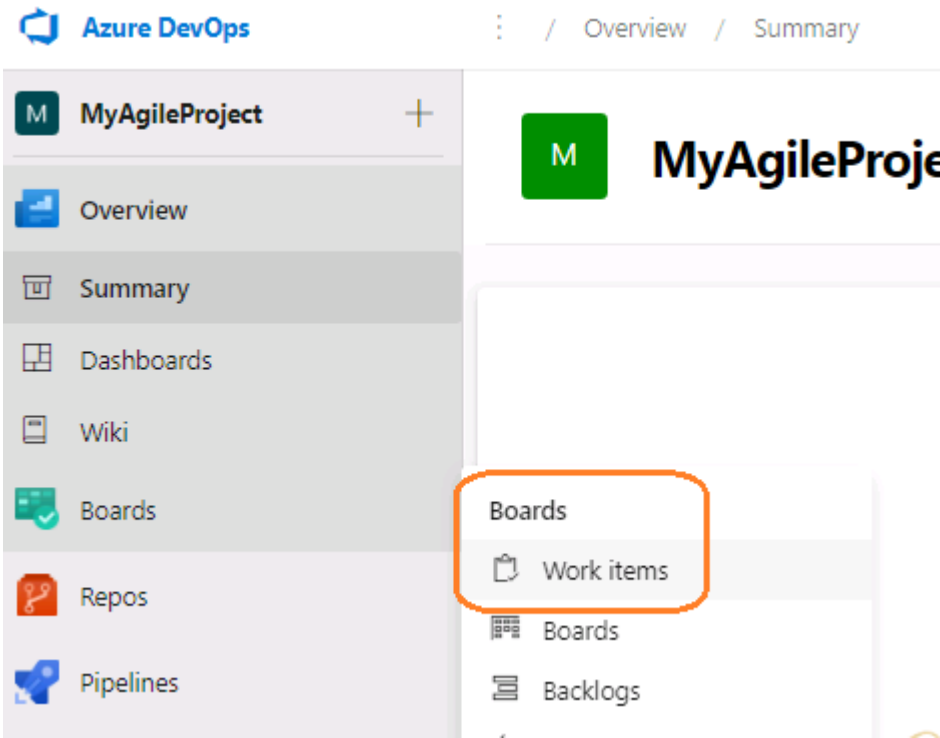
Backlog levels

Projects

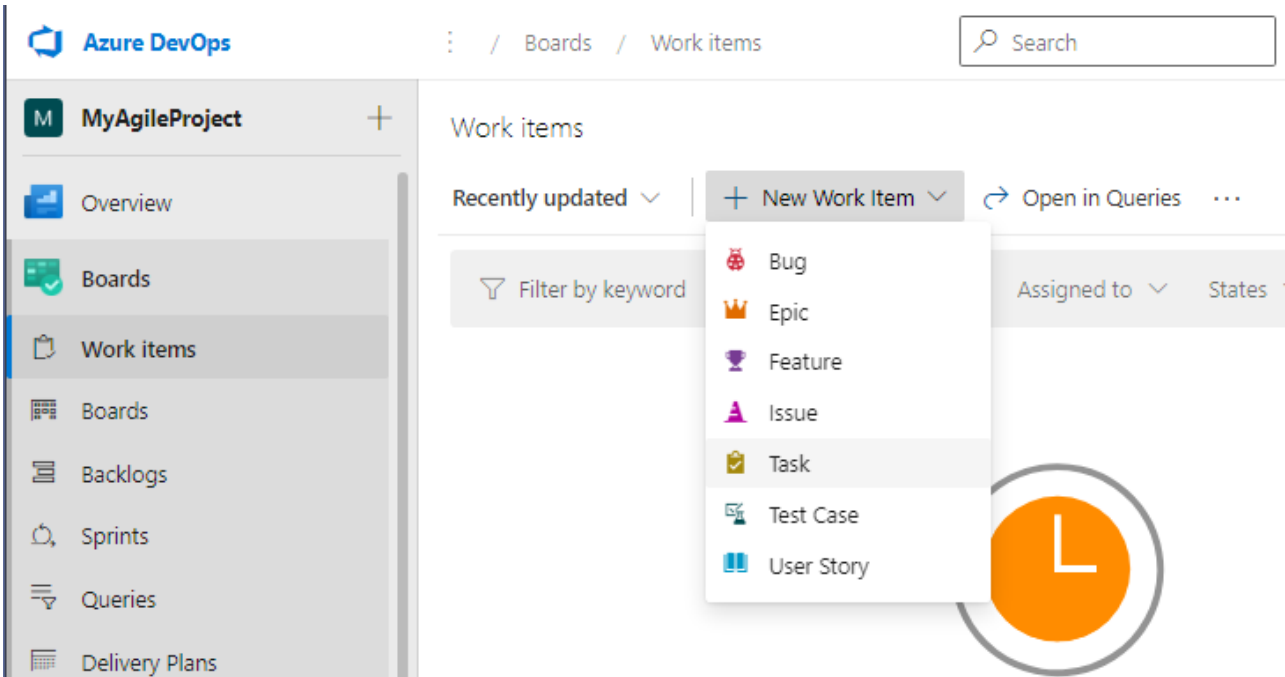
Name	Description
CustomerPortal	

→ Change process

3. Click **Boards | Work Items**



4. Click **Task** under **New Work Item**



5. Verify the change you made.

Work Items

Back to Work Items

NEW TASK

Field 'Title' cannot be empty.

Enter title

Unassigned

0 comments

Add tag

Save

State

New

Area

MyAgileProject

Reason

New

Iteration

MyAgileProject

Details

MyLittleDescriptionChange

Click to add MyLittleDescriptionChange.

Discussion

S

Add a comment. Use # to link a work item, ! to link a pull request, or @ to mention a person.

Planning

Priority

2

Activity

Effort (Hours)

Original Estimate

6. You can move away from the screen and discard the changes. We don't need to create any work item right now.

Module 2: [Projects](#), Lab 1: [Projects](#), Exercise 6: Project Notifications

Exercise 6: Project Notifications

Objectives

After completing this lab, you will be able to:

- Create Project Notifications.

Prerequisites

- Complete [Exercise 2](#).

Scenario

Project notifications allow you to receive alerts when an event of interest occurs in Azure DevOps Services. For example, you may want to be notified by email when a new work item is assigned to you. You might also want to be notified if a build fails so that you can take immediate action to remediate the situation. You can create an alert, which targets a team or a specific user.

Tasks

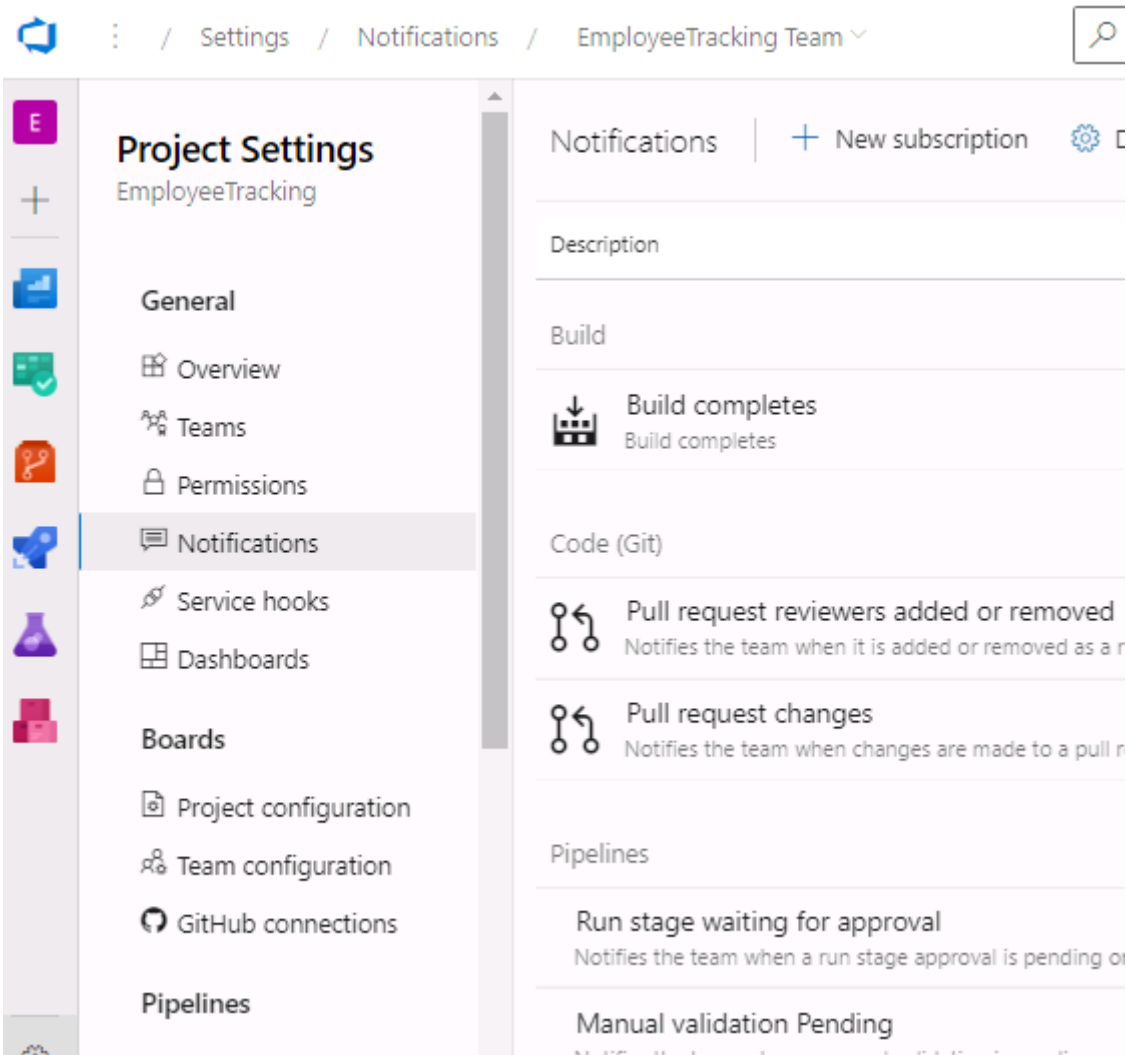
1. [Task 1: Team Notifications](#)
2. [Task 2: Create a Notification](#)

Module 2: Projects, Lab 1: Projects, Exercise 6: Project Notifications

Task 1: Team Notifications

A team notification is an alert that targets all members of a team when an event occurs in Azure DevOps Services.

- 1. Navigate to the **EmployeeTracking** project in the Web Portal in your browser.
- 2. At the bottom-left corner of the Web Portal, click **Project settings** and then click **Notifications** under **General**.

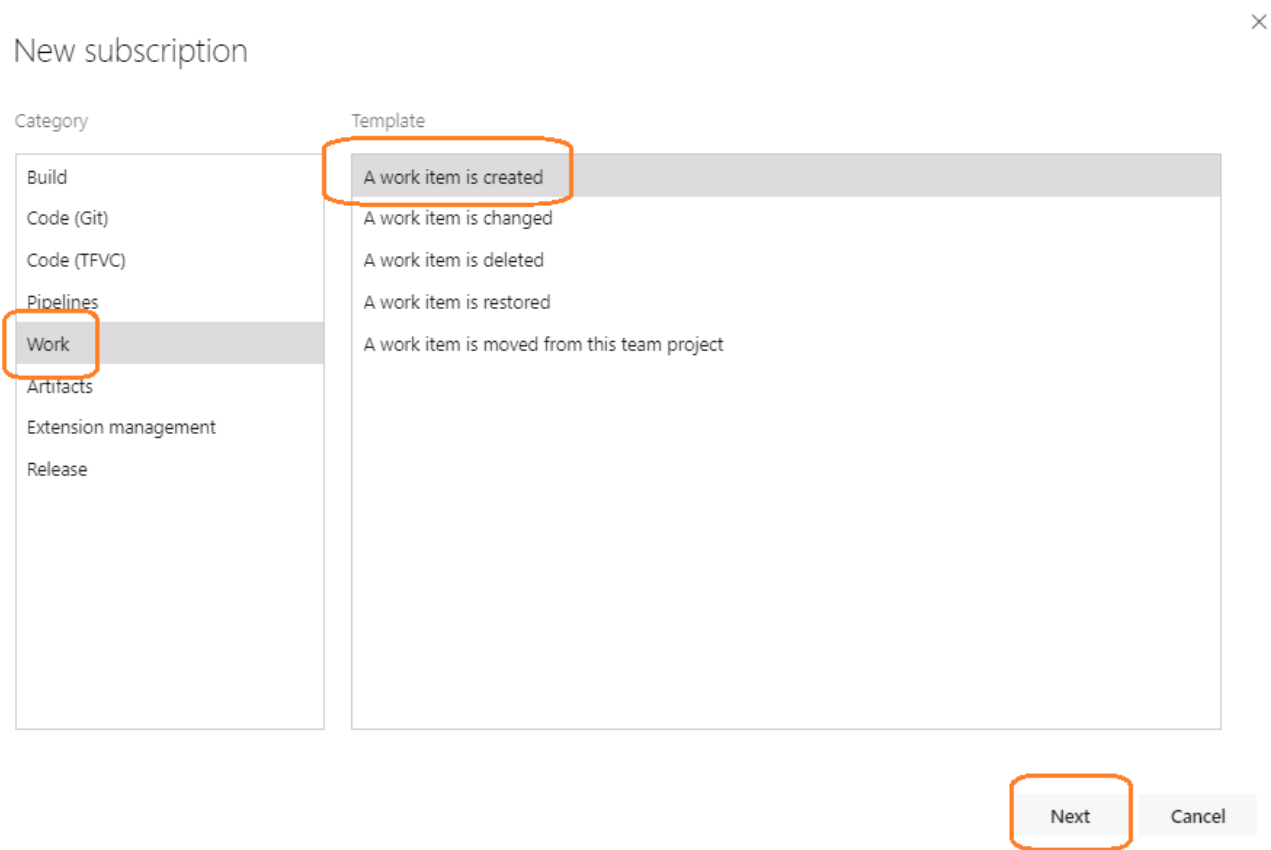


- 3. You can click different categories to filter the alerts that you, or the team you belong to, have subscribed to. You can also create a new alert by clicking the **New subscription** link.

Module 2: Projects, Lab 1: Projects, Exercise 6: Project Notifications

Task 2: Create a Notification

- 1. Click the **New subscription** link on the **Notifications** page. When you start with a template, default filters are created for you. Click **Work** -> **A work item is created** and click **Next**.



- 2. Look at the different fields. You can change the filter criteria and select additional filters. To group the clauses, select both the checkboxes and then click the **Group selected clauses** icon in the filter header.

New subscription

Description

A work item is created

Subscriber

EmployeeTracking Team

Deliver to

Members of EmployeeTracking Team by role

Roles

Assigned to (current), Assigned to (previous),

☐ Skip initiator

Filter

☐ Any team project

☒ A specific team project

EmployeeTracking

Filter criteria

	And/Or	Field*	Operator	Value
<div><div><div>+</div><div>×</div><div>☑</div></div><div>Group selected clauses</div></div>		State	Changes from	
<div><div><div>+</div><div>×</div><div>☑</div></div></div>	And	Authorized As	<>	[Member]
<div><div><div>+</div><div>×</div><div>☑</div></div></div>	And		=	
<div><div><div>+</div><div>×</div><div>☑</div></div></div>	And		=	
<div><div>+</div> Add new clause</div>				

Finish

Cancel

3. Click **Cancel**. Close your browser.

Lab 2: PartsUnlimited Lab Setup

###Introduction

In this lab, you will setup **PartsUnlimited** project from Azure DevOps Demo Generator and use this project in some of the later labs.

[Exercise 1: Configuring the PartsUnlimited Project](#)

Objectives

After completing this lab, you will have:

- PartsUnlimited project created in your Azure DevOps organization using the Demo Generator.

Prerequisites

- [Exercise 1: Manage Organizations](#)

Estimated Time to Complete This Lab

15 minutes

Module 2: Projects, Lab 2: PartsUnlimited Lab Setup, Exercise 1: Configuring PartsUnlimited Project

Exercise 1: Configuring the PartsUnlimited Project

Objectives

After completing this exercise, you will have:

- PartsUnlimited project created in your Azure DevOps organization using the Azure DevOps Demo Generator.

Prerequisites

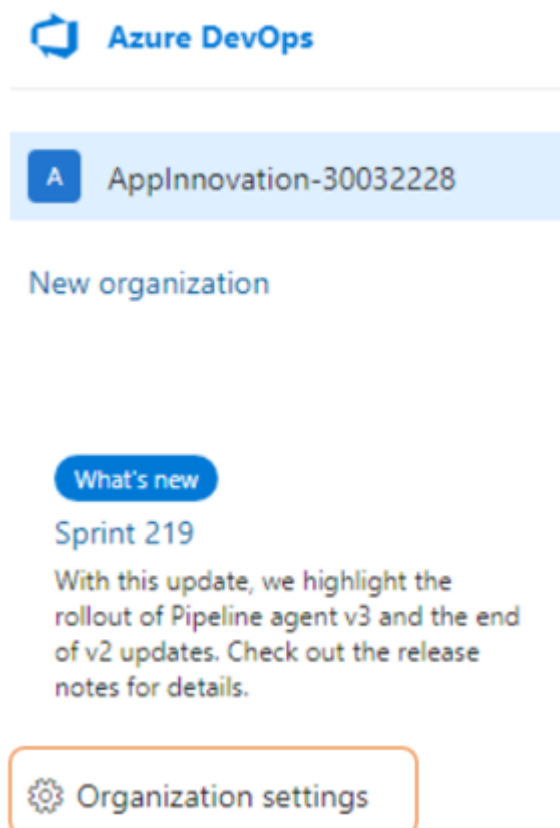
None

Tasks

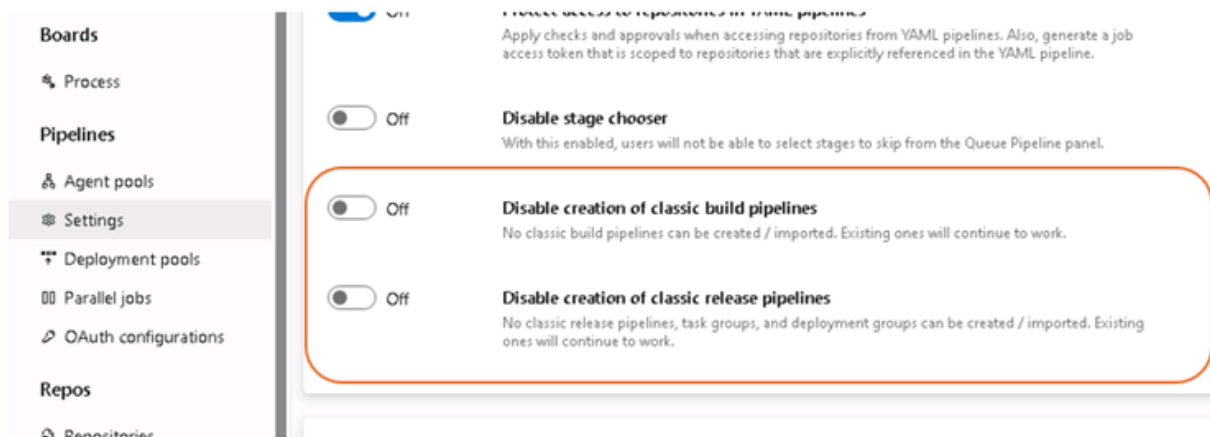
- Generate PartsUnlimited Project

Task 1: Generate PartsUnlimited Project

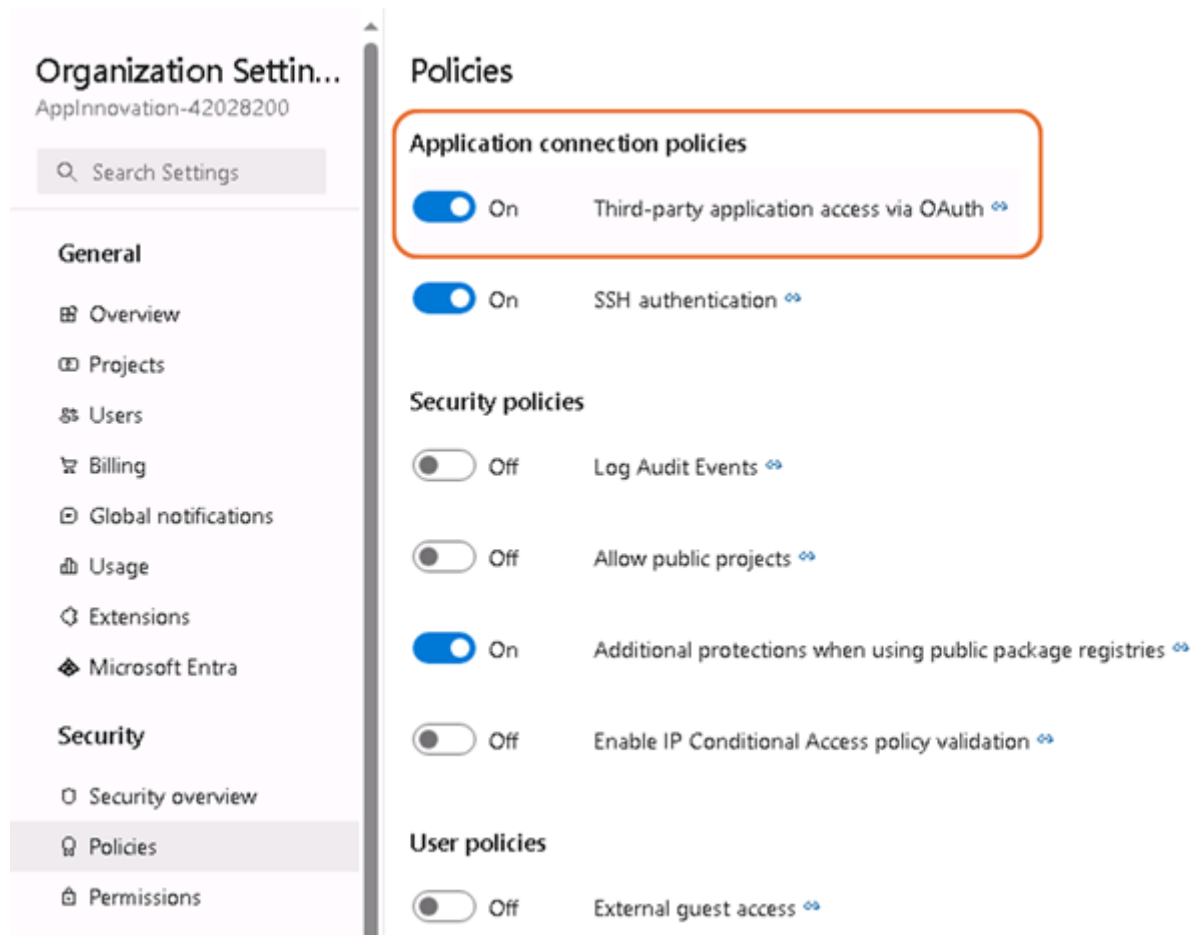
1. Navigate to your Azure DevOps organization ([https://dev.azure.com/AppInnovation-\[YourName\]](https://dev.azure.com/AppInnovation-[YourName])) in the web browser and click on **Organization settings** in the bottom-left of the page.



- Click on **Settings** under the *Pipelines* section and under *General*, turn off **Disable creation of classic build pipelines** and **Disable creation of classic release pipelines**.



- Click on **Policies** under the *Security* section and under *Application connection policies*, turn on **Third-party application access via OAuth**.



- 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. Open a new tab in the web browser and navigate to <https://demogen-code.azurewebsites.net/> to create a new Team Project in your organization using one of the templates.
- Click on **Sign in** and if asked to enter username/password, enter your credentials and then click on the **Sign in** button.

6. **Accept** the permission requests for accessing your subscription.

Azure DevOps Demo Generator by Microsoft

App requests the following permissions from: **Student1-18864771@lodsasoutlook.onmicrosoft.com (ASD Cloudslice)**

Identity (read)
Grants the ability to read identities and groups.

Work Items (full)
Grants full access to work items, queries, backlogs, plans, and work item tracking metadata. Also provides the ability to receive notifications about work item events via service hooks.

Build (read and execute)
Grants the ability to access build artifacts, including build results, definitions, and requests, and the ability to queue a build, update build properties, and the ability to receive notifications about build events via service hooks.

Code (read, write, and manage)
Grants the ability to read, update, and delete source code, access metadata about commits, changesets, branches, and other version control artifacts. Also grants the ability to create and manage code repositories, create and manage pull requests and code reviews, and to receive notifications about version control events via service hooks.

Agent Pools (read, manage)
Grants the ability to manage pools, queues, and agents.

Test management (read and write)
Grants the ability to read, create, and update test plans, cases, results and other test management related artifacts.

Extensions (read and manage)
Grants the ability to install, uninstall, and perform other administrative actions on installed extensions.

Release (read, write, execute and manage)
Grants the ability to read, update and delete release artifacts, including folders, releases, release definitions and release environment and the ability to queue and approve a new release.

Task Groups (read, create and manage)
Grants the ability to read, create and manage taskgroups.

Variable Groups (read, create and manage)
Grants the ability to read, create and manage variablegroups.

Service Endpoints (read, query and manage)
Grants the ability to read, query and manage service endpoints.

Project and team (read, write and manage)
Grants the ability to create, read, update, and delete projects and teams.

Team dashboards (manage)
Grants the ability to manage team dashboard information.

Wiki (read and write)
Grants the ability to read, create and updates wikis, wiki pages and wiki attachments.

[Learn more](#)

If you change your mind at any time, you can manage authorizations on your [profile page](#).

Accept

Deny

By clicking **Accept**, you allow this app to perform the above actions on your behalf and you agree to Microsoft Terms of Use and Privacy Statement.

7. Select the **ApplInnovation-[YourName]** organization from the **Select Organization** drop-down. Use **PartsUnlimited** as the **New Project Name**.

New Project Name :

Select Organization :

Selected Template :

8. Click on **Choose template** and select the **PartsUnlimited** template (**not** PartsUnlimited-YAML) and click **Select Template**.

Azure DevOps Demo Generator

Create New Project

Build your template

Choose a template

General DevOps Labs Microsoft Learn Azure Community Cloud Adoption Framework Private

scrum aspnetcore azureappservice

Tailwind Traders is an ASP.NET & React application, which uses Azure App Service, AKS, Cosmos DB, Logic App and the Function App.

This template contains work items, code and pipeline definitions for the public web site of SmartHotel360, an E2E reference sample app with several consumer and line-of-business apps and an Azure backend. For more information, please see the project page on [GitHub](#)

This template provisions a scrum based team project with code, work items for a sample ASP.NET Core web application-My Health Clinic. The template also includes pipeline definition to build and deploy the web app to Azure App Service.

PartsUnlimited

scrum aspnetcore azureappservice

Use this lab to provision a scrum based team project containing sample work items, complete source code and pipeline definitions to deploy Parts Unlimited, a sample eCommerce website based on the The Phoenix Project book by Gene Kim. See the home page of the project on [GitHub](#)

PartsUnlimited-YAML

scrum aspnetcore azureappservice

Use this lab to provision a scrum based team project containing sample work items, complete source code and pipeline definitions to deploy Parts Unlimited, a sample eCommerce website based on the The Phoenix Project book by Gene Kim. See the home page of the project on [GitHub](#)

MyShuttle

scrum java application azure web app


mysql

This template contains work items and source code for MyShuttle, a sample Java application backed by a MySQL database. This template also contains pipeline definitions to build the maven project and deploy the app to Tomcat server on Azure app service.

9. Click on **Create Project** and wait for the process to complete.

Congratulations! Your project is successfully provisioned.

[Navigate to project](#)

Like the tool? Share your feedback 

- ✓ Project PartsUnlimited created
- ✓ Updated Iteration Dates
- ✓ 2 team(s) created
- ✓ Board-Column, Swimlanes, Styles updated
- ✓ Validating work item(s) definitions
- ✓ Work Items created
- ✓ Build definition created
- ✓ Release definition created

10. Once complete, navigate to Azure DevOps Services and confirm that you see **PartsUnlimited** project.