

# **Microsoft Dynamics 365 Customer Engagement**

## **DevOps 1 Day with Lab**

**Lab 0: Workshop Prerequisites**

**Student Lab Manual**

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## Introduction

To be successful in the workshop labs, you are required to setup an Azure DevOps organization as well as test environments in your own PowerApps subscription or trial environments before the day of the workshop.

## Set up a new trial

Setup a trial tenant before the workshop. To accomplish this, use the following steps:

*Ensure that you are signed out of any Power Platform accounts before continuing. Navigate to <https://make.powerapps.com/>. If you are logged in, be sure to log out now. Close the browser and open it again to begin.*

1. Navigate to <https://trials.dynamics.com>.
2. Do not enter a work email, instead at the bottom look for the following:


"Are you signing up on behalf of a customer or using this trial for development purposes? *Sign up here*".


Select ***Sign up Here:***


Start your digital transformation here


Choose an app to explore how Dynamics 365 can help you transform your business.


To begin, choose an app below


  
DYNAMICS 365  
Sales


  
DYNAMICS 365  
Customer Service


  
DYNAMICS 365  
Field Service

  
DYNAMICS 365  
Project Service Automation


  
DYNAMICS 365  
Finance and Operations

  
DYNAMICS 365  
Business Central

  
DYNAMICS 365  
Human Resources

  
DYNAMICS 365  
Retail

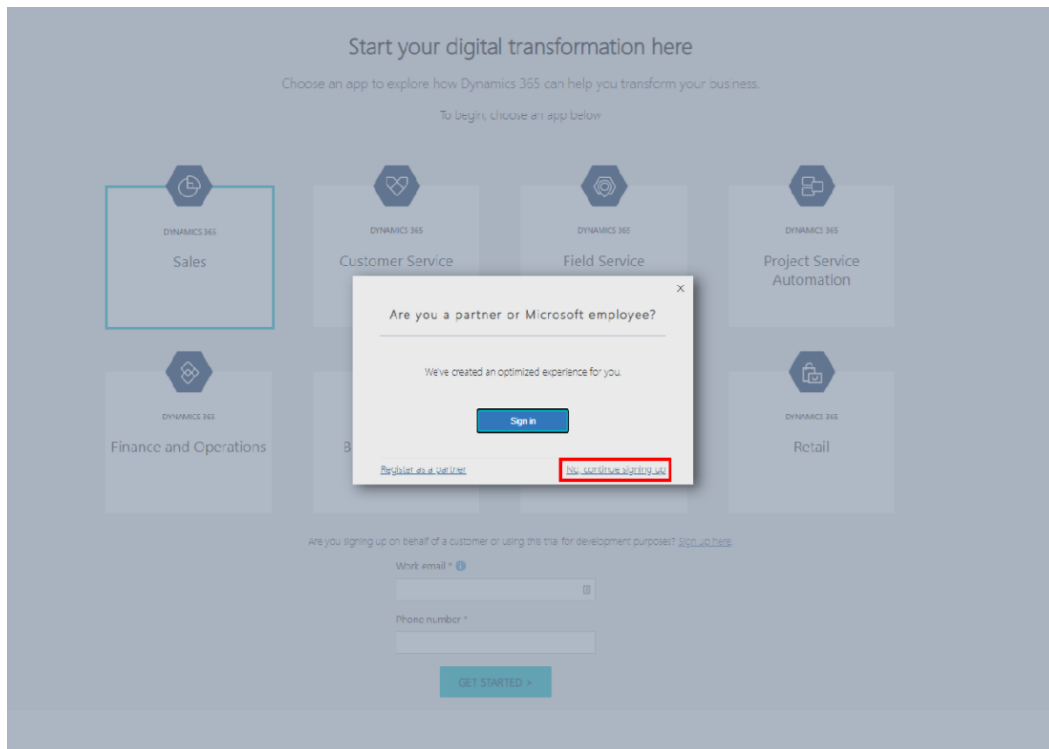
Are you signing up on behalf of a customer or using this trial for development purposes? [Sign up here](#)

Work email \* 

Phone number \*

GET STARTED >

3. A prompt will appear asking if you are a partner or MSFT employee, click **No, continue to sign up.**





4. In section 1, *Let's set up your account*, enter an email that is not associated with your work or school. Doing so will allow you to create a new account with a fictitious name for our workshop.
5. Click **Create new account**.
6. In section 2, *Tell us about yourself*, fill in the form.
7. Click **Next**.

## Thank you for choosing **Dynamics 365 Customer Engagement Applications**

1 Signup started

2 Tell us about yourself

First name Example	Middle name	Last name User
-----------------------	-------------	-------------------

Business phone number  
(555) 555-5555

Company name Contoso	Company size 1 person
-------------------------	--------------------------

Country or region  
United States

Next

3 Create your business identity

4 You're all set

8. Fill in a valid phone number on the next screen to validate the fact that you are a valid user. The number does not need to match the business phone number you entered on the previous screen; this number is not stored by Microsoft.
9. In section 3, *Create your business identity*, Enter a unique domain name, e.g. ContosoUniversity001, co001, MyOrg, etc.
10. Click **Check availability**, then click **Next**.
11. In the final section, enter a username and password. Be sure to save the login credentials for reference.
12. Click **Sign up**
13. Click **Let's go**

## Thank you for choosing **Dynamics 365 Customer Engagement Applications**

- ① Signup started
- ② Nice to meet you, Example
- ③ Thanks for creating an account with us, Example
- ④ You're all set

Save this info. You'll need it later.

Your user ID  
paul@cou001.onmicrosoft.com

Let's go

14. You will be taken to the Power Platform admin center to create your Dynamics 365 Customer Engagement environment. If you are not redirected, you may have been logged into your account. You will need to log out, close your browser and restart the process from the beginning.
  - A. Enter a unique name: Contoso-University-Dev
  - B. Select an appropriate region for your environment.



## New environment



Name \*

contoso-university

Type ⓘ \*

Trial (subscription-based) ▾

Region \*

Local environments can provide quicker data access.

United States - Default ▾

Purpose

Describe the environment purpose

Create a database for this environment? ⓘ

☒ Yes

Database must always be created for the selected environment type.

Next

Cancel

15. Click **Next**
16. On the next screen, we will add a database as seen below:
  - A. Toggle *Enable Dynamics 365 apps* to **Yes**

← Add database ×

**Language \***  
Default language for user interfaces in this environment  
English

**URL \***  
org1c6bf7b3  
crm.dynamics.com

**Currency \***  
Reports will use this currency  
USD (\$)

**Enable Dynamics 365 apps**  
In addition to Power Apps. [Learn more](#)  
☒ Yes

**Automatically deploy these apps**  
None

**Security group**  
Restrict environment access to people in this security group. Otherwise, everyone can access. [Learn more](#)  
+ Select

Save Cancel

17. No changes are needed on the next screen, click **Save**.
18. You will now see the new environment listed on the Environments page in a *Preparing Instance* state. Provisioning typically takes 15 minutes; so, we will move onto setting up an Azure DevOps organization.

## Set up Azure DevOps organization

If you have followed the steps above, to create a trial organization, you may use the same login to create your Azure DevOps organization.

First, navigate to [dev.azure.com](https://dev.azure.com).

Option 1: If you setup a trial, following the steps in the previous section, you can reuse the credentials for your Azure DevOps organization.

1. Click **Sign in to Azure DevOps**

[Home](#) / [Services](#) / Azure DevOps

## Azure DevOps

Plan smarter, collaborate better, and ship faster with a set of modern dev services.

[Start free](#)


[Start free with GitHub](#)

Already have an account?

[Sign in to Azure DevOps >](#)



2. On the next screen, your credentials from the trial environment will be pre-populated. Verify the entries, then click **Continue**.
3. Review the Terms of Service, Privacy Statement, and Code of Conduct. Click **Continue**.

 Azure DevOps

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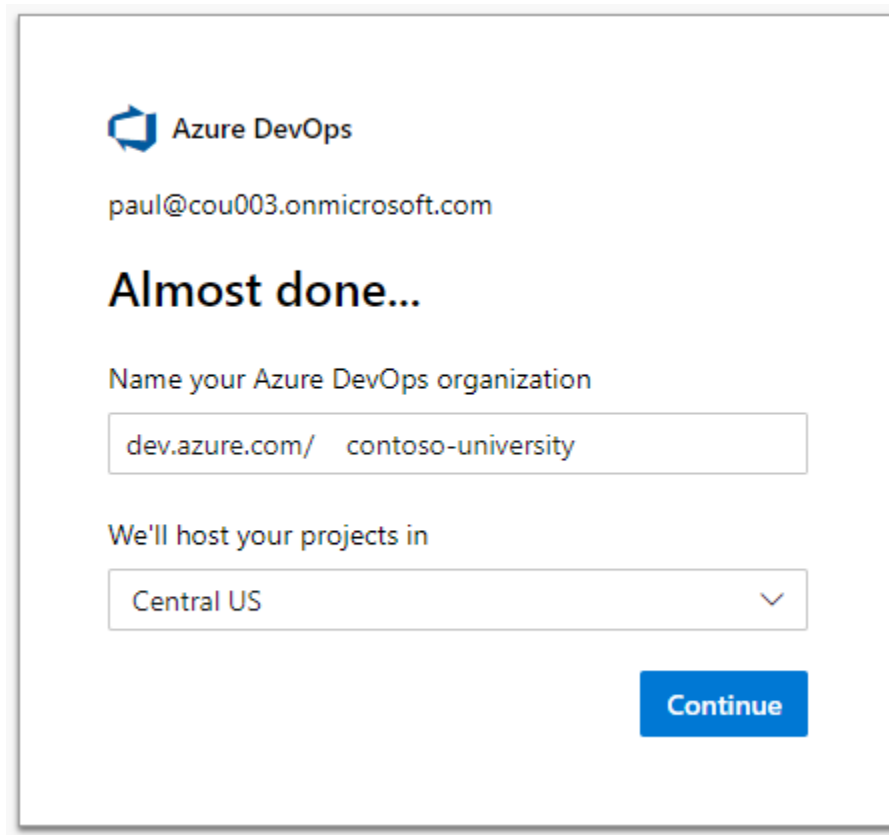
## Get started with Azure DevOps

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](#)

4. On the next screen, you will be prompted to name your Azure DevOps organization and set the region.



The screenshot shows the 'Almost done...' screen in the Azure DevOps setup process. At the top, the Azure DevOps logo is displayed next to the email address 'paul@cou003.onmicrosoft.com'. Below this, the heading 'Almost done...' is followed by the instruction 'Name your Azure DevOps organization'. A text input field contains the value 'dev.azure.com/ contoso-university'. Underneath, the instruction 'We'll host your projects in' is followed by a dropdown menu currently showing 'Central US'. A blue 'Continue' button is located at the bottom right of the form.

5. Click **Continue**
6. You will now be taken to your new organization to create a project.
7. Enter a project name, then click continue.

## Create a project to get started

Project name \*

 ✓

### 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

- Next we will install the required tools and clone our default repository locally.

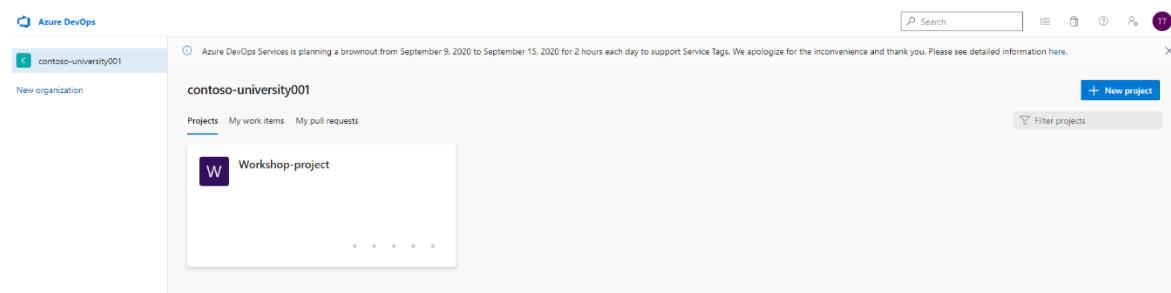
## Clone your repository locally (Visual Studio Code)

This lab assumes you clone the repository in C:\Users\<Current User>\Documents\repositories.

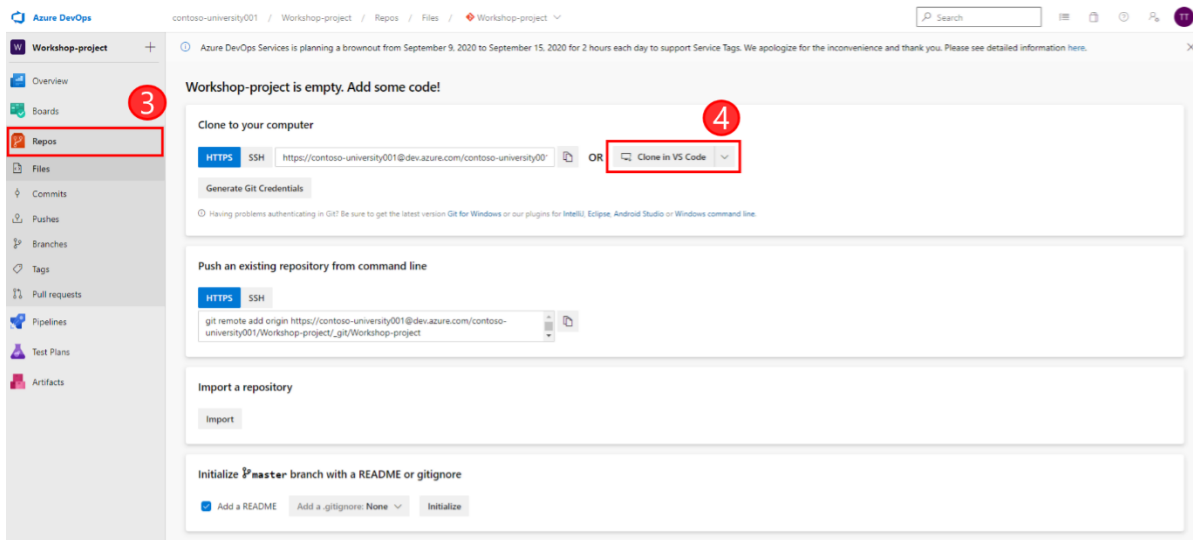
## Prerequisites

- If it's not already installed, download a copy of Visual Studio Code (VS Code) at <https://code.visualstudio.com/>.
- To leverage Git, you must download a copy of Git for Windows from <https://git-scm.com/downloads>. This is the tool used by VS Code to manage repositories.

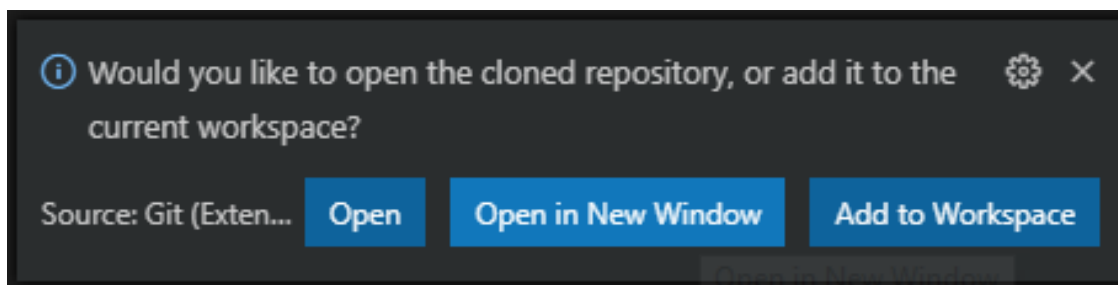
- After Visual Studio Code is installed, in a browser, navigate to your Azure DevOps organization at <https://dev.azure.com/>.
- Click the project card to load the project.



3. Click **Repos** on the left navigation pane.
4. The default repository will be loaded. Click **Clone in VS Code** to start the cloning process.



5. VS Code will launch an instance of Windows Explorer, navigate explorer to C:\Users\<Current User>\Documents\repositories and click **Ok**.
6. Once complete, VS Code will prompt you to open the current repository. Click **Open in New Window**.



7. You will now have a copy of the empty repository. We will be adding files in the subsequent labs.

## Summary

We have now setup a *Dynamics 365 Customer Engagement trial* containing one environment. We have also created an *Azure Organization* with a project and repository, which will allow us to store our customizations.

At this point, you should have a local clone of the Azure DevOps repository. If at this point you have any issues, please check with the instructor to ensure a proper setup to achieve success in later labs.