

Prerequisites

To enable a smooth lab experience, we require you to have completed some pre-workshop activities.

Set Up three Developer Environments for the Power Platform ALM Workshop

Sign Up for Developer Environments

If You Have a Work/School Account

If you already have a work or school account and want to use it to learn Power Platform, proceed to the next section.

If You Don't Have a Work/School Account

If you don't have a work or school account or prefer a Sandbox tenant to learn Power Platform then first, create a [test tenant](#) and then proceed to next section.

Creating and Accessing Developer Environments

Steps to Create Developer Environments (DEV, UAT, and PROD)

1. **Login** to [Power Platform Admin Center](#) using your Microsoft account.
2. Ensure **New admin center toggle** is turned on.
3. Navigate to **Manage** → **Environments** → **New**.
4. Use the following settings to create three environments: DEV, UAT, and PROD.

Setting	DEV	UAT	PROD
Name	CPPS DEV	CPPS UAT	CPPS PROD
Make this a managed environment	No	Yes	Yes

Setting	DEV	UAT	PROD
Group	None	None	None
Region	Canada	Canada	Canada
Get new features	No	No	No
Type	Developer	Developer	Developer
Purpose	Source environment for CPPS 2025 ALM workshop	Target environment for CPPS 2025 ALM workshop	Target environment for CPPS 2025 ALM workshop
Add a Dataverse data store	Yes	Yes	Yes
Pay-as-you-go with Azure	No	No	No

5. Click **Save** to create the new environment.

6. Repeat steps **1-5** for all three environments: **DEV, UAT, and PROD**.

Notes

- Ensure all environments follow the same settings for consistency.
- The **DEV** environment is the source for the CPPS 2025 ALM workshop.
- The **UAT** and **PROD** environments are the target environments for testing and deployment.
- Depending on your employer, you may have the environments already, but the environments do need to be separate to your current environments to prevent inadvertent moving of solutions around and corruption
- Microsoft provides all users the ability to have 3 developer environments which are perfect for our lab.

Create Azure DevOps

For Azure DevOps use the same Microsoft account which you used to create your Developer environments. If you already have an Azure DevOps organization you can skip part 1 and directly create a new project in your existing organization.

Create Azure DevOps organization

1. As a first step we need an Azure subscription, you can either use an existing one or sign up for the free Azure subscription here which will additionally give you \$200 for 30 days (not needed for this lab): <https://azure.microsoft.com/en-in/pricing/purchase-options/azure-account>

Microsoft | Azure Explore Products Solutions Pricing Partners Resources Search Learn Contact Sales Support Sign in

Choose the Azure account that's right for you

Pay as you go or try Azure free for up to 30 days. There's no upfront commitment—cancel anytime.

Azure free account

Best for proof of concept and exploring capabilities

- Available only to new Azure customers
- Free monthly amounts of 20+ popular services for 12 months (new Azure customers only)
- Free monthly amounts of 65+ always-free services
- Access to full catalog of services up to free amounts and USD 200 credit
- Spending protection—credit card won't be charged¹
- No upfront commitment—cancel anytime
- Move to pay-as-you-go pricing to continue beyond 30 days or after credit is used up

USD 200 credit

to use on Azure services within 30 days

Sign up

Pay as you go

Best for customers ready to start building workloads.

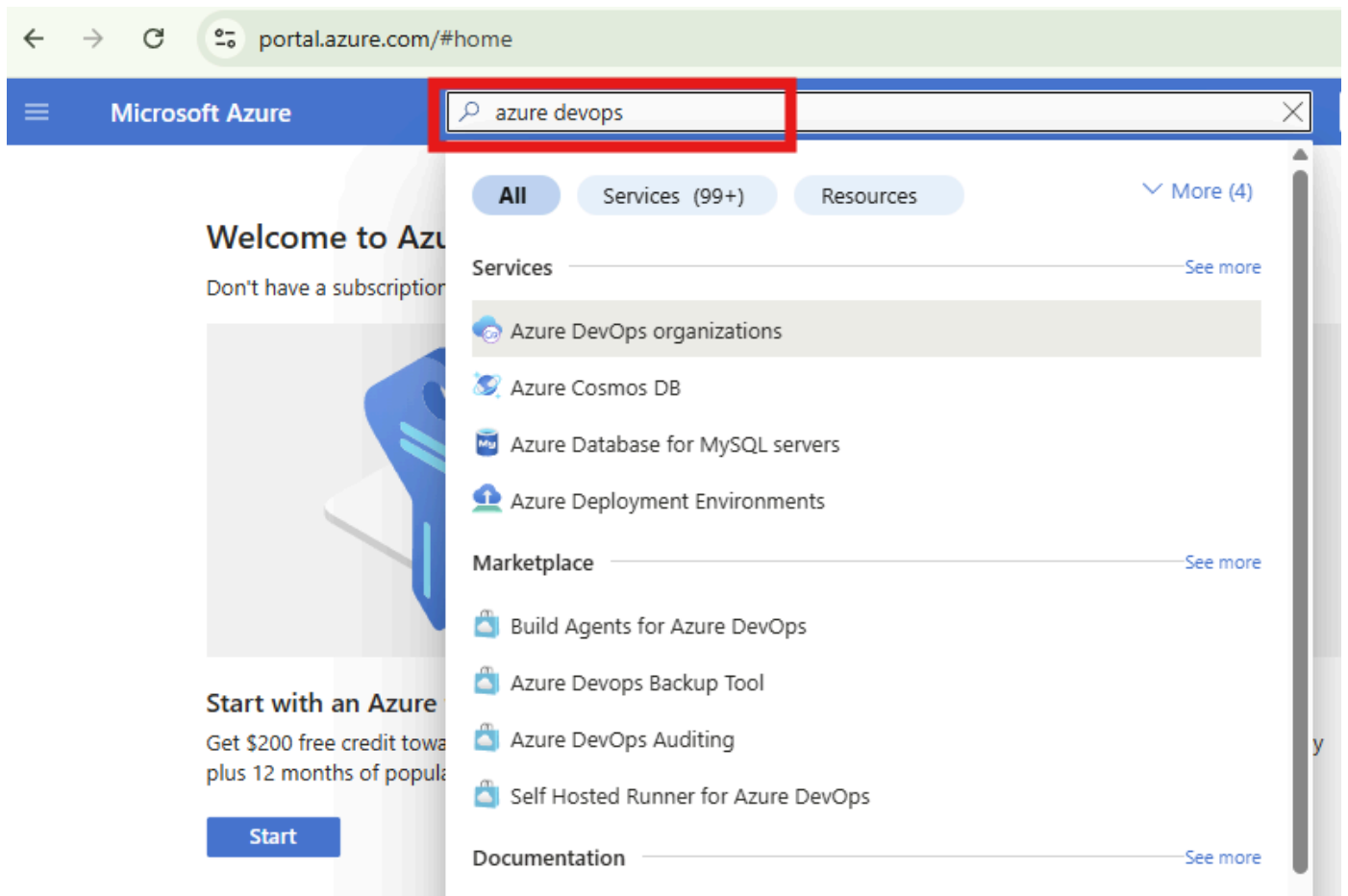
- Free monthly amounts of 20+ popular services for 12 months (new Azure customers only)
- Free monthly amounts of 65+ always-free services
- Access to full catalog of services with no cap on service usage
- Technical support options available
- No upfront commitment—cancel anytime
- No action required to continue beyond 30 days

Pay only for what you use

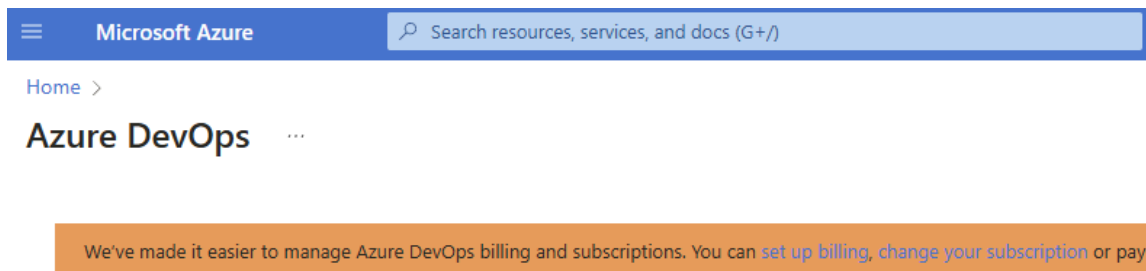
beyond free monthly amounts

Sign up

2. Fill out the sign up form, you will need a credit card for authentication but Microsoft will not charge you unless you change the subscription to pay-as-you-go after your credits are used. Azure DevOps will not consume any credits.
3. After your account is created go to <https://portal.azure.com/> and log in. Afterwards search for "Azure DevOps" in the global search and select "Azure DevOps organizations".



4. Click on "My Azure DevOps Organizations", fill out the form with your details and click on "Continue".



Azure DevOps

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

[My Azure DevOps Organizations](#)


Get started using Azure DevOps
Billing management for Azure DevOps



5. In the Azure DevOps portal click on "Create new organization", and give it a name on the next screen

Microsoft

Mats Necker Sign out



Mats Necker

mats@nckrdev.onmicrosoft.com

Edit profile

nckrdev


Germany

mats@nckrdev.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

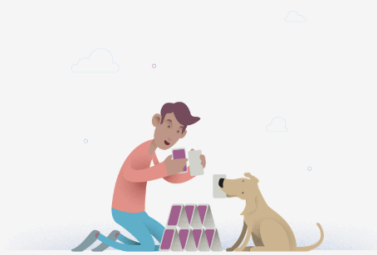
6. Once your organization is created you are directed to a screen to create a new project. Give it a name and click on "Create project"

Azure DevOps

Search

CC25 - DevOpsLab

New organization



Create a project to get started

Project name *

CC25 - DevOpsLab

Visibility

Public

Private

Public projects are disabled for your organization. You can turn on public visibility with organization policies.

+ Create project

Congrats on creating your Azure DevOps organization and project for the lab! 🎉

Install VS Code

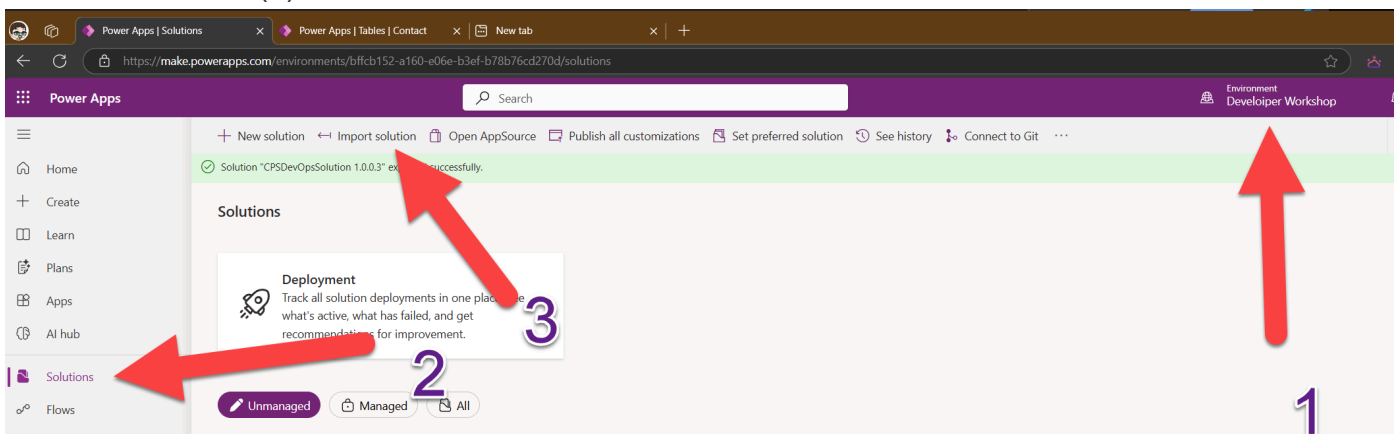
VS Code is a code editor provided by Microsoft which we will use to complete some automated testing.

1. Navigate to <https://code.visualstudio.com/download> and download and install VSCode version appropriate for your machine.

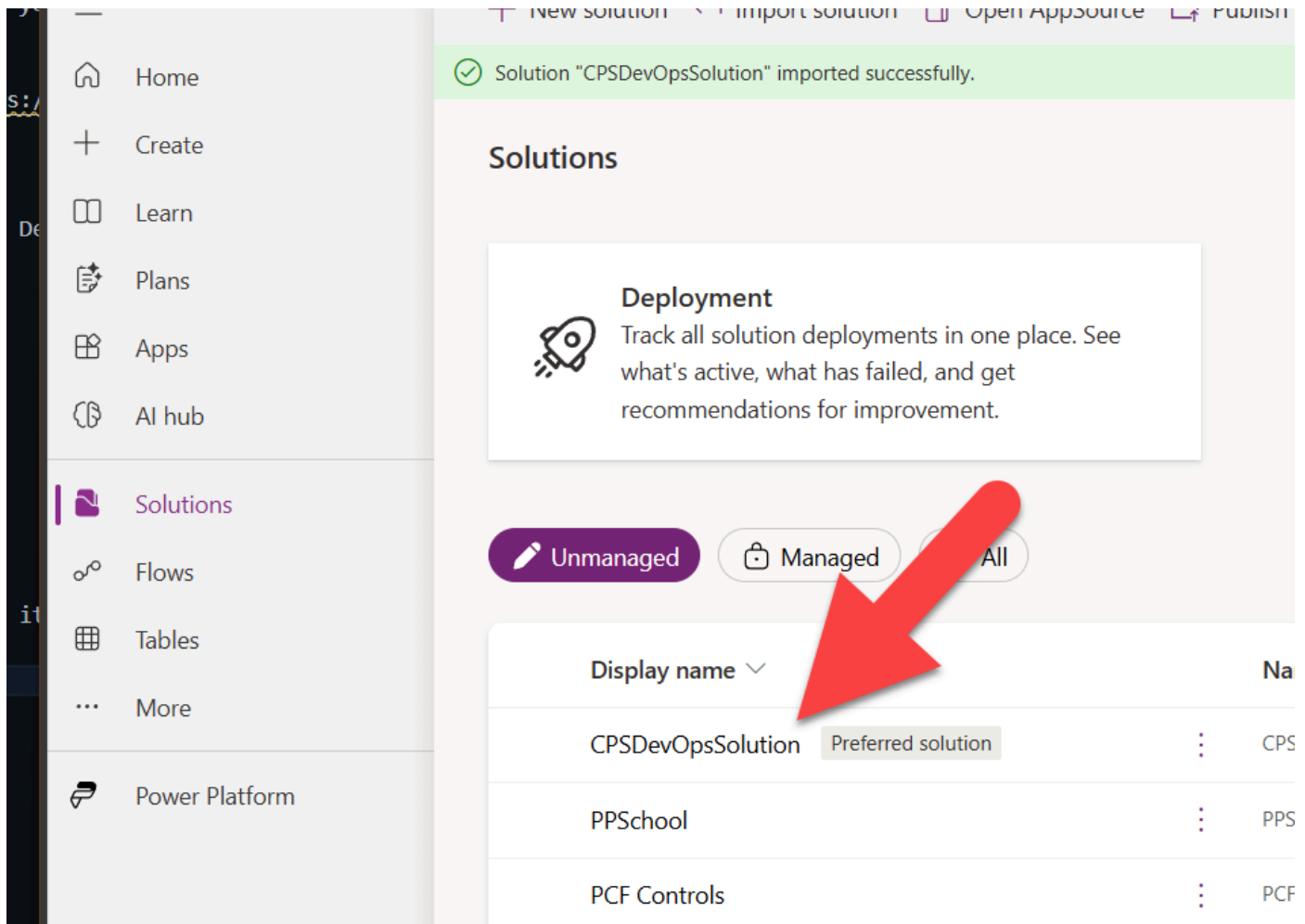
Import a sample solution and data

To accommodate our lab, we will re-use a solution that has been prepared for you. This will be set up in your Developer environment and moved through the environments by the pipelines you create in the lab.

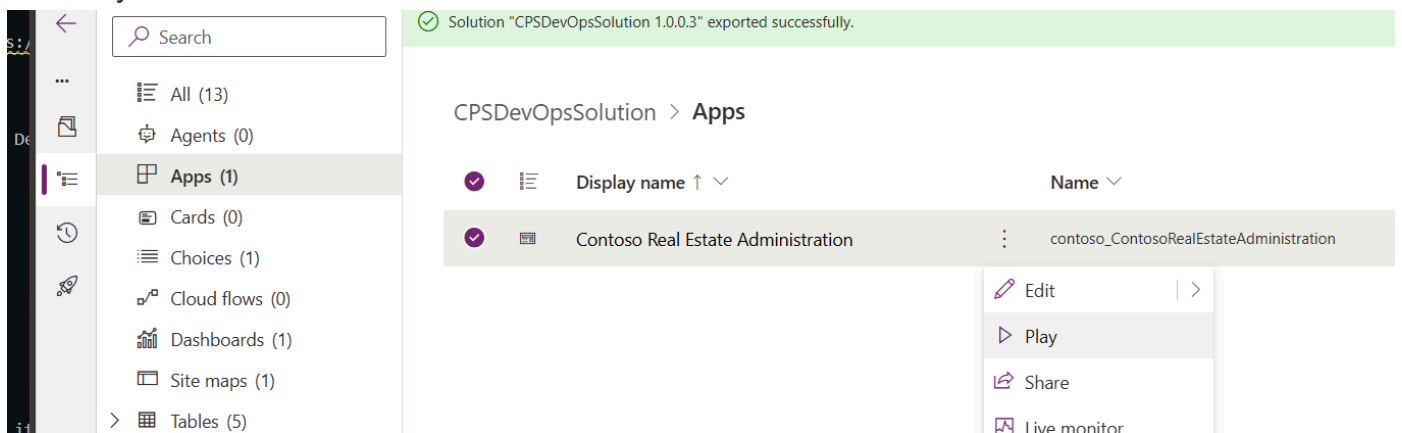
1. Download the unmanaged solution for a accommodation listing app from https://linked365.blog/CPSTDevOpsSolution_1_0_0_3.zip
2. Download the data files from https://linked365.blog/Listing_Files.zip and extract the files into a folder.
3. Import the Solution in your Developer Environment
 - i. Go to [Make.powerapps.com](https://make.powerapps.com) and ensure the selected environment is your Developer Environment (1)



- ii. Select Solutions (2) then Import Solution (3)
- iii. Browse for the solution you downloaded and select Next
- iv. Follow the messages selecting Next each time
- v. This should install the sample solution with 5 tables.
- vi. In Solutions again, select the solution we just imported and ensure it plays



Select the solution, then apps and the 3 dots next to the Contoso Real Estate Administration App and Play

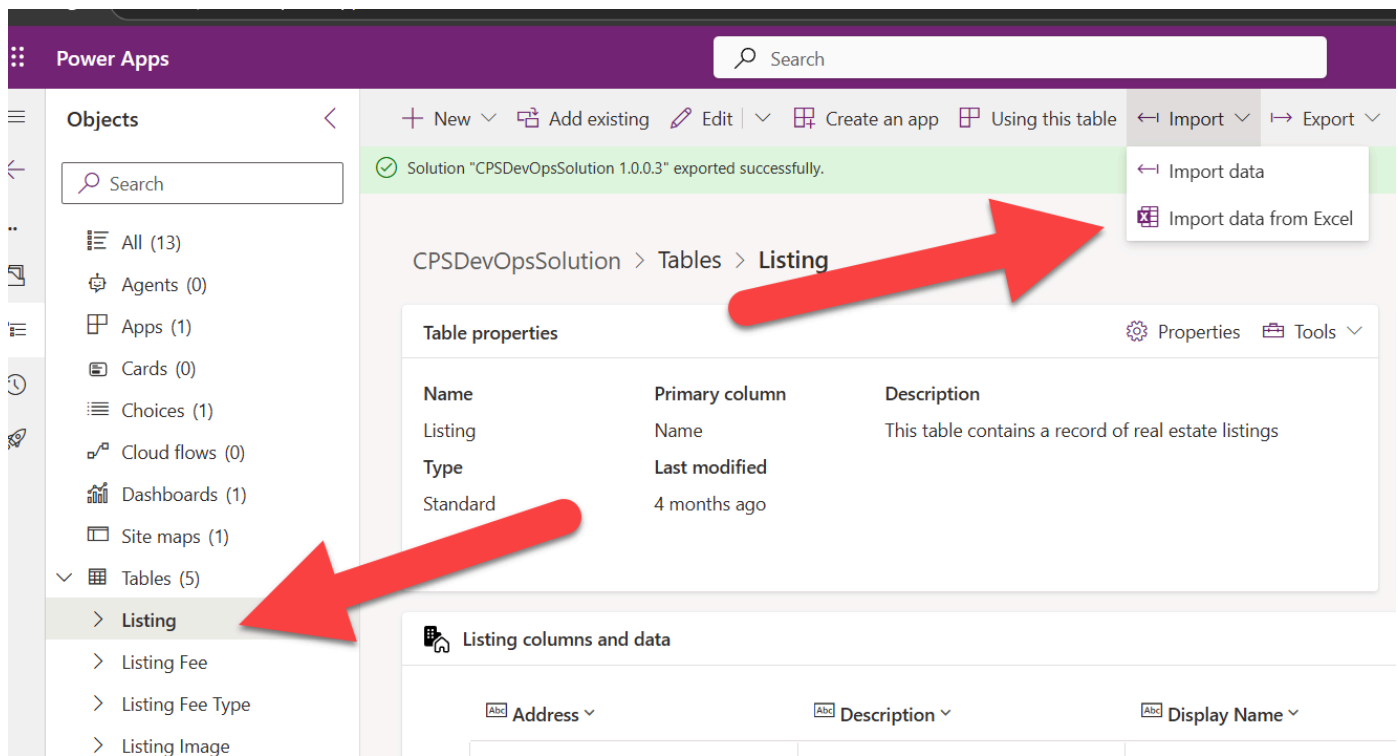


The application should load (with no data)

Import Sample Data

1. Import some sample data

Back in the solution, select Tables, Listing, The Import dropdown and select Import data from excel



2. Select the listings file extracted from the data files zip in step 2.

3. Select Import

Repeat the last 3 steps for the other files in the zip file and upload data (in this order) for

1. contoso_listingimages
2. contoso_listingfeetypes
3. contoso_listingfees
4. contacts

4. Reopen the app from step 6 and you should see data being populated.