PowerApps Lab

Module 0

Pre-Lab Setup and Review
Using Azure DevOps

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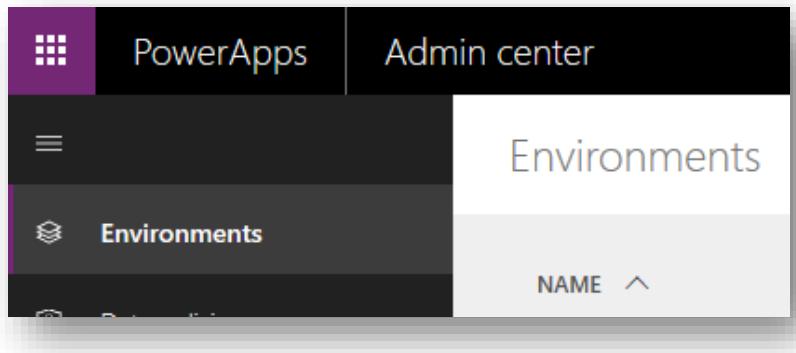
Overview:

This hands-on lab will give you an opportunity to get hands on with the best practices to get your app into source control, generate a managed solution from source (your build artifact) and finally deploy the app into another environment. You will need access to three Microsoft Dataverse environments (Development, Build, and Production) along with Azure DevOps to automate deployments.

Pre-Lab Setup:

You will need to create three environments in your demo or customer tenant. To do this follow these instructions:
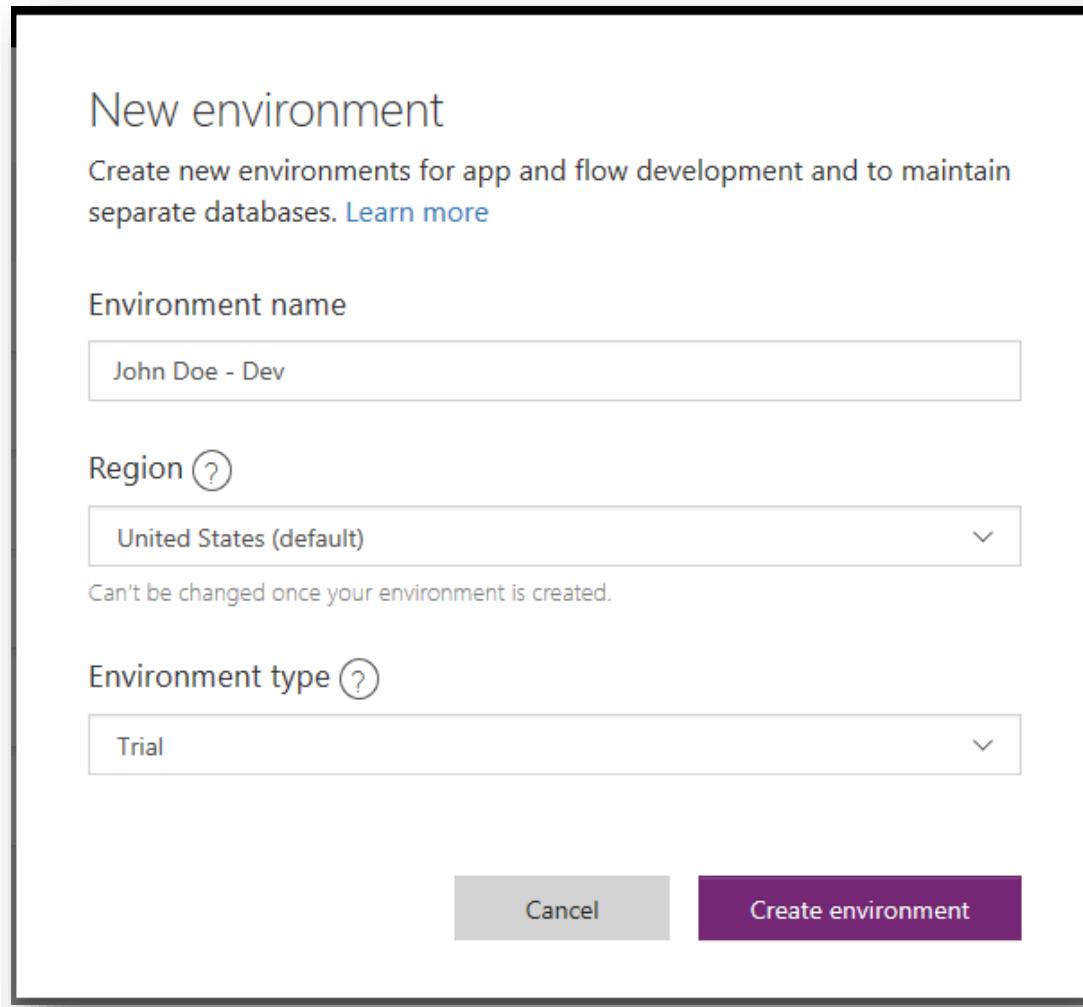
1. Log into a tenant that you have access to and that has a minimum of 3GB available capacity which is required to create the three environments.
2. Go to https://admin.powerapps.com , this will take you to the Admin center
3. Select **Environments** in the navigation area.

4. Select **+ New environment** to create your first new environment.

5. The first environment should be named "*Your Name* – dev", set the **Region** to "United States (default)", and set **Environment type** to "Production" (if available, if not use "Trial").

New environment

Create new environments for app and flow development and to maintain separate databases. Learn more

Environment name

John Doe - Dev

Region (?)

United States (default)

Can't be changed once your environment is created.

Environment type (?)

Trial

Cancel   Create environment

6. Select **Create environment**.
7. Now that your environment has been created select **Create database**.
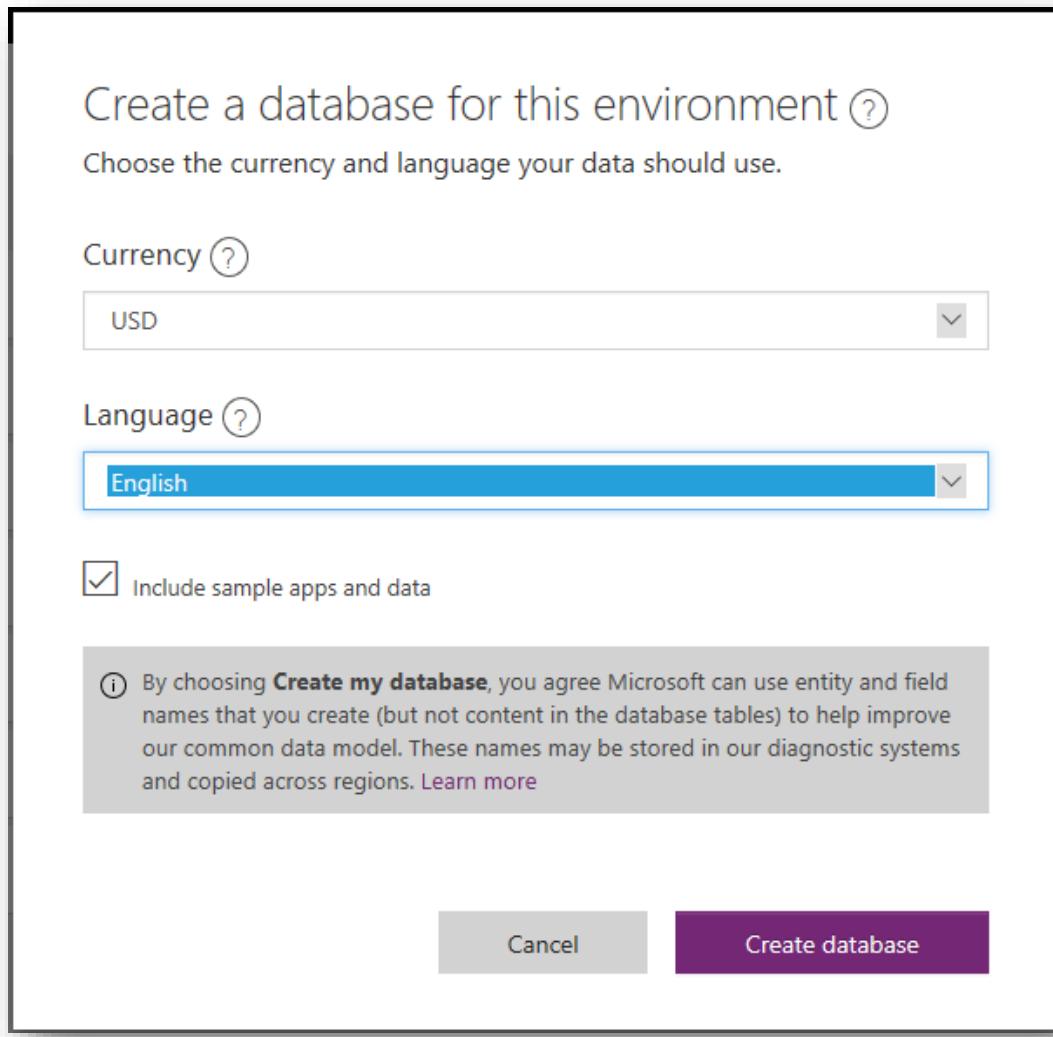
8. Set the **Currency** to "USD" and **Language** to "English". Check **Include the sample apps and data** then select **Create database**.

9. Your development environment has been created. Now follow steps 4–8 above to create a second environment called "*Your Name* – build". Finally, create a third environment called "*Your Name* – prod". Note that the third environment can be a trial environment type.
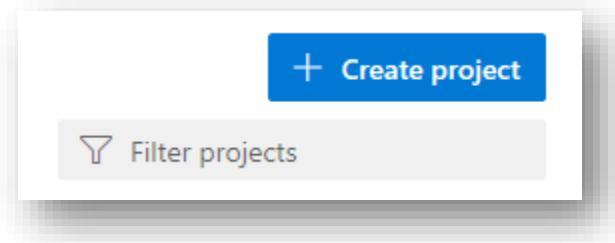
10. Now you have the environments that we will need for this lab.
11. Create a DevOps project by navigating to https://dev.azure.com and select **Sign into Azure DevOps**.

12. Select **+ Create project**.

13. Create a **Project name** called "*Your Name* – DevOps Project" and make it a **Private** project, then select **Create**.
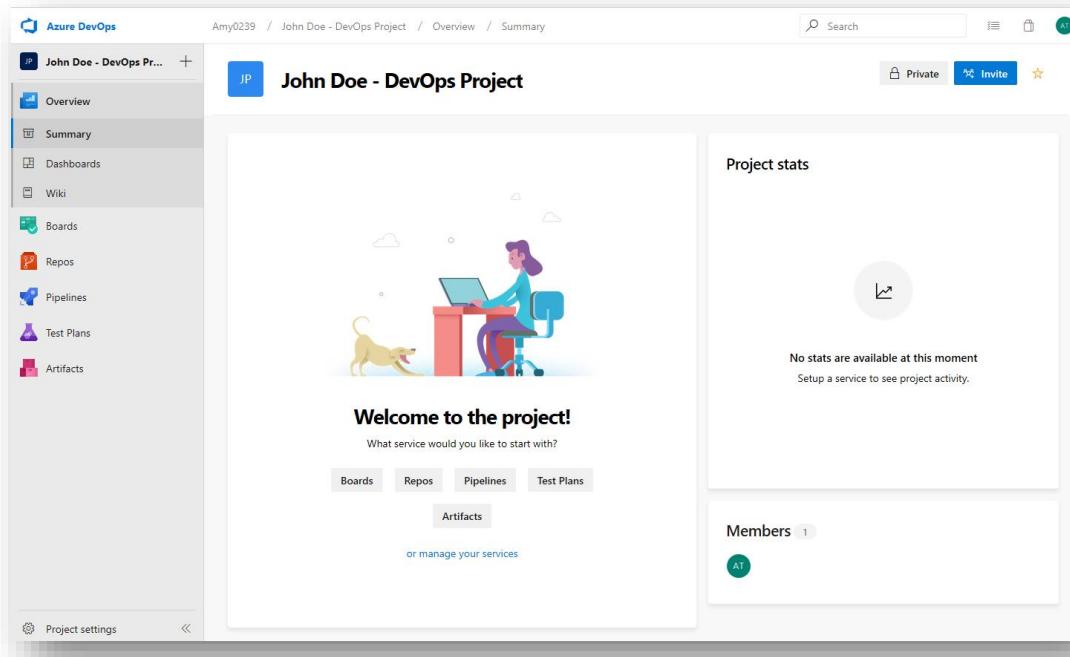
14. Your DevOps project has been created. Please note the URL on the top for your project and bookmark it or save it locally.
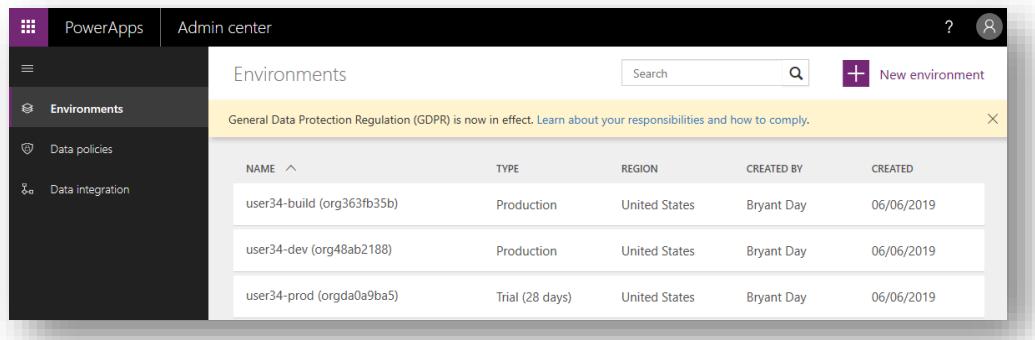
15. You are now ready to begin the ALM Hands-on Lab.

ALM Hands-on Lab Overview:
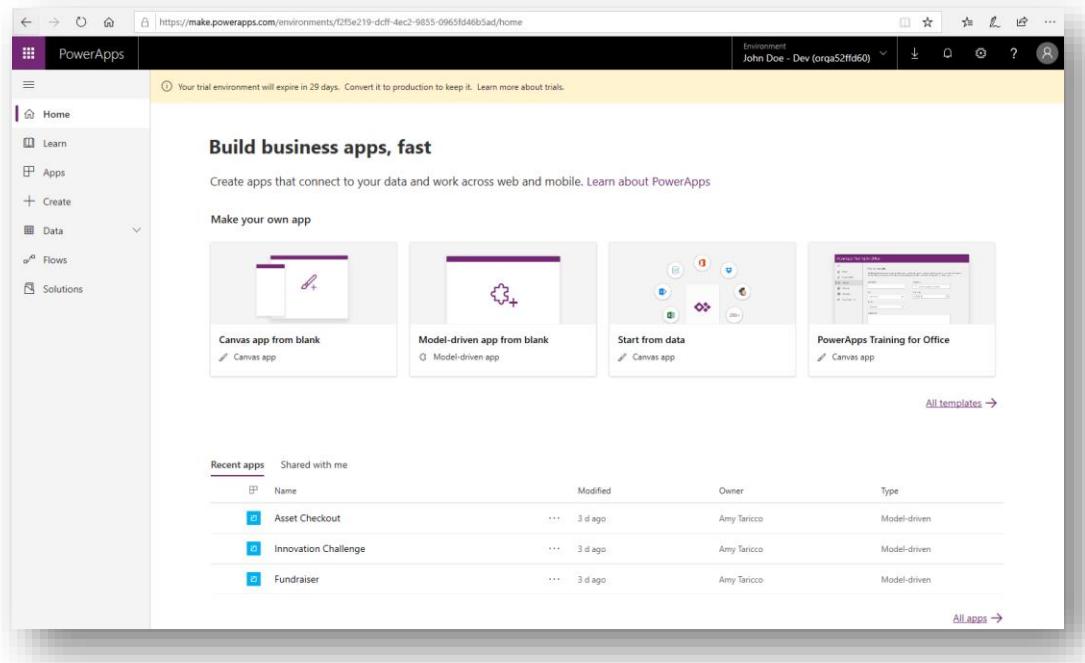
During this lab you will use the account, login, and environments you created in the previous steps. You will get hands-on with the full set of Application Lifecycle Management (ALM) capabilities for Power Platform. Learn how to use the key concepts that allow customers and partners to manage solutions and deploy them across environments. Additionally, get up to speed with the details of canvas apps and flows in solutions.

1. Let's get familiar with the environments that you created (in the pre-lab) or were created for you.
2. Go to https://admin.powerapps.com/environments to view the environment you have access to.
3. You will see your environments, one with dev in the name, one with build in the name, and a third with prod in the name.
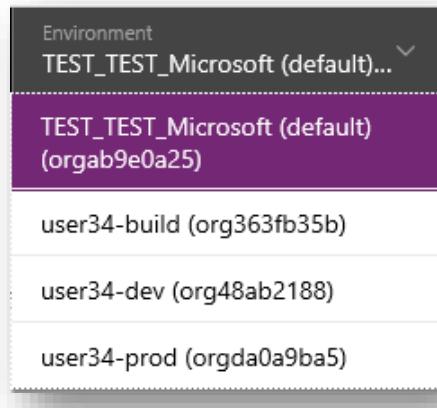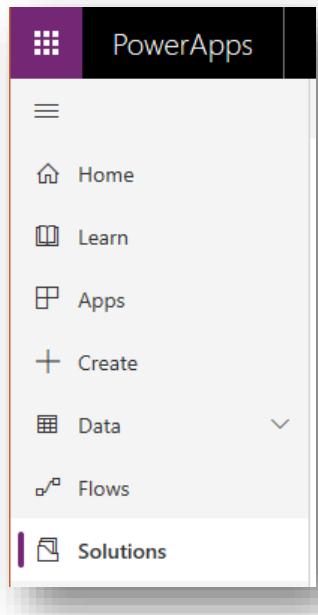

4. We will use these environments as our primary environments during the lab. Your user will have the System Administrator security role for all environments giving you full access to the environment.
5. In a new tab open https://make.powerapps.com.

6. In the header, you will see a way to switch environments to move between your different environments.

7. When you change to a new environment Power Apps will change to show only content relevant to that environment. Both environments contain a Dataverse database. This allows you to leverage the Dataverse solution infrastructure to move apps, entities, code, and other resources from one environment to another.
8. Select **Solutions** in the left navigation panel.

9. Solutions are how customizers and developers author, package, and maintain units of software that extend Dataverse. Customizers and developers distribute solutions so that organizations can use Dataverse to install and uninstall the app(s) defined in the solution. In the next lab module you will learn how to create a new solution.

PowerApps

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