

Power Apps Hands-on Lab

Module 1

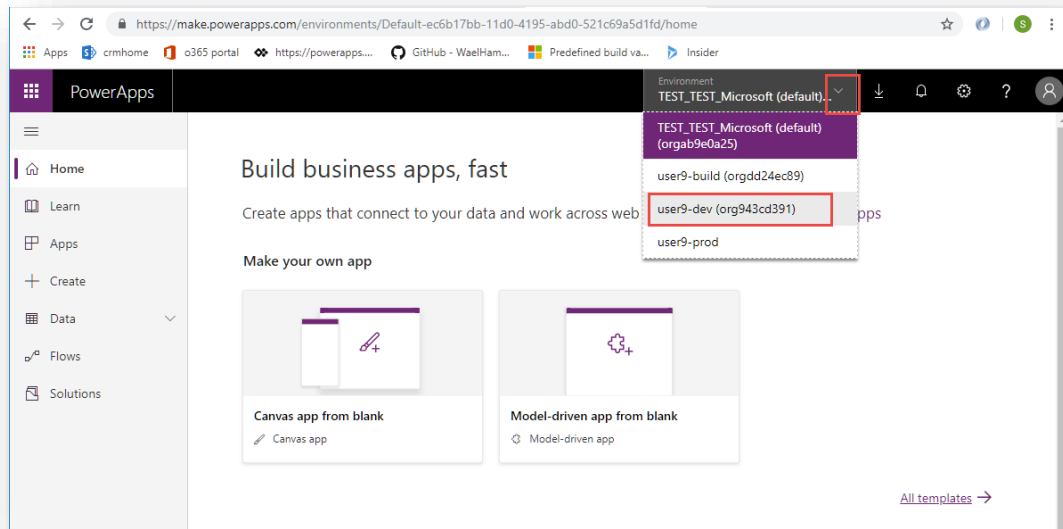
Building Basic Model-driven Common Data Service Application for Deployment Using Azure DevOps

Last Updated: February 15, 2023

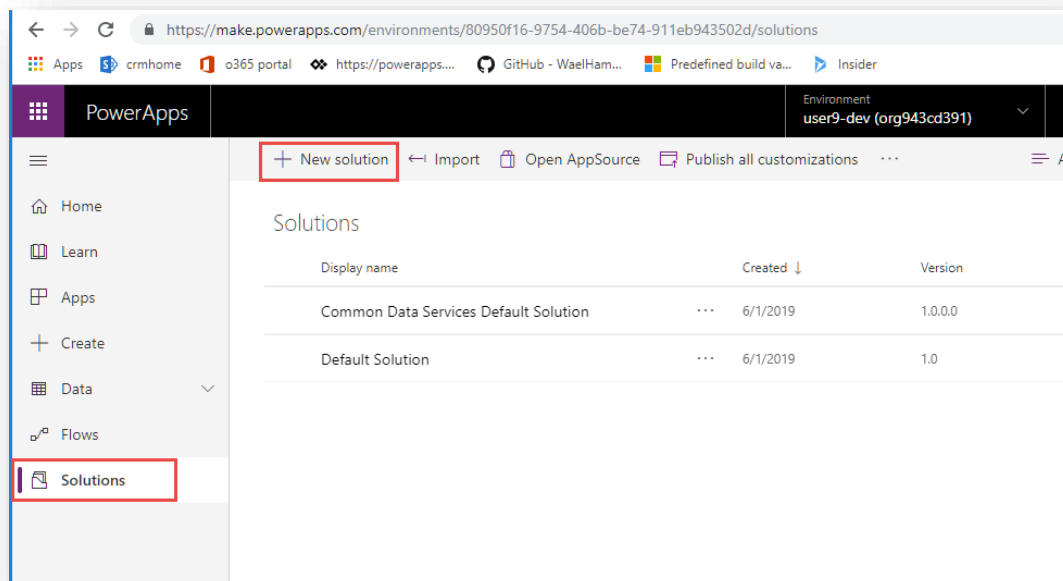
Authors: Per Mikkelsen, Shan McArthur, Evan Chaki

In this lab you will be creating a basic model-driven Microsoft Dataverse application to use with module 2 of the lab to automate the Application Lifecycle Management (ALM) of the application.

1. Navigate to make.powerapps.com and sign in with your credentials. Click the environment selector dropdown in the header and select your development environment.

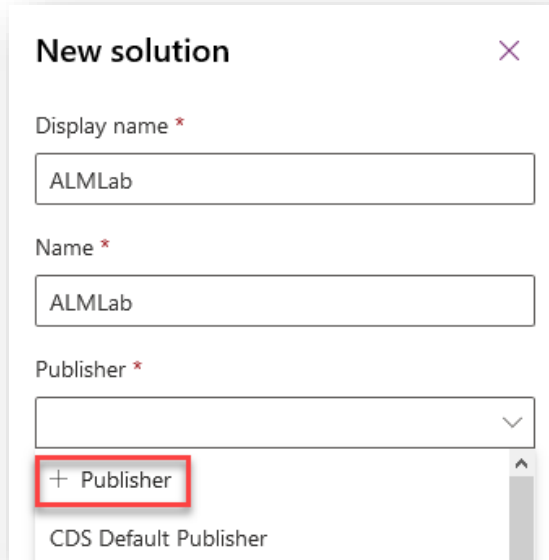


2. Click the **Solutions** area in the left navigation then click the **New solution** button to create a new solution.



3. In the side panel that appears, enter a name for the application and click the dropdown for the publisher, and then click the **+ Publisher** option

Note: The solution publisher specifies who developed the app, so you should always create a solution publisher name that is meaningful. Furthermore, the solution publisher includes a prefix, which helps you distinguish system components or components introduced by others and is also a mechanism to help avoid naming collisions. This allows for solutions from different publishers to be installed in an environment with minimal conflicts.



New solution ✕

Display name *
ALMLab

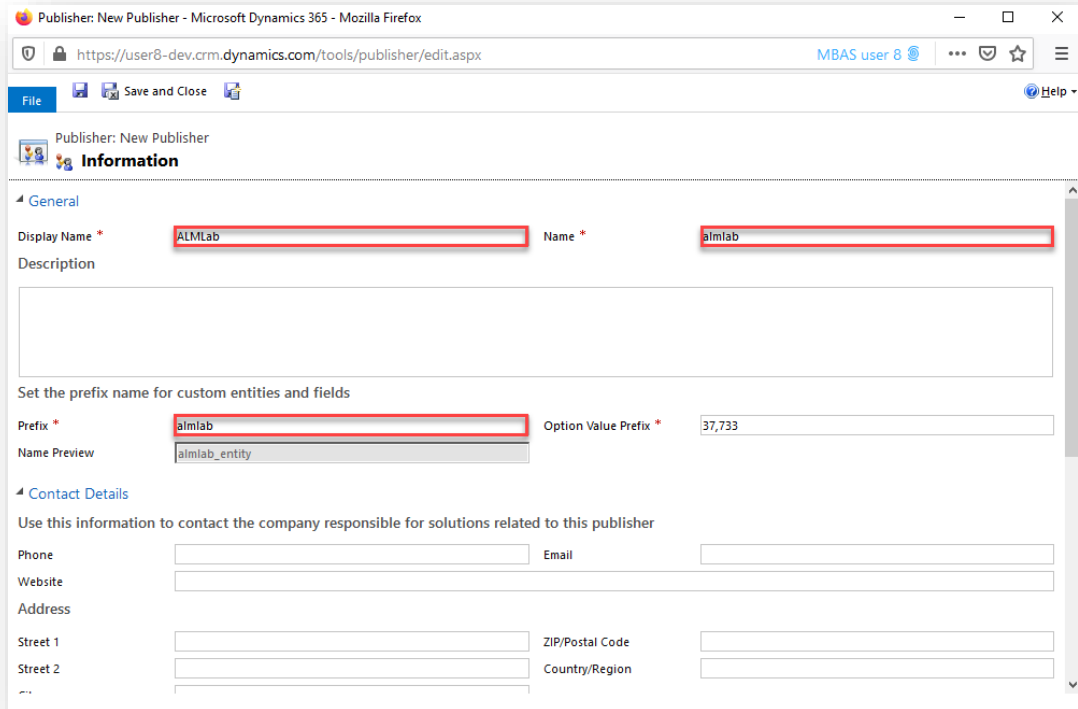
Name *
ALMLab

Publisher *
▼

+ Publisher

CDS Default Publisher

4. A new window will pop up. If a window does not pop up, check your popup blocker settings. For the purposes of this lab, enter ALMLab for the display name, name, and prefix and click Save and Close.



Publisher: New Publisher - Microsoft Dynamics 365 - Mozilla Firefox

https://user8-dev.crm.dynamics.com/tools/publisher/edit.aspx MBAS user 8

File Save and Close Help

Publisher: New Publisher

Information

General

Display Name * Name *

Description

Set the prefix name for custom entities and fields

Prefix * Option Value Prefix *

Name Preview

Contact Details

Use this information to contact the company responsible for solutions related to this publisher

Phone Email

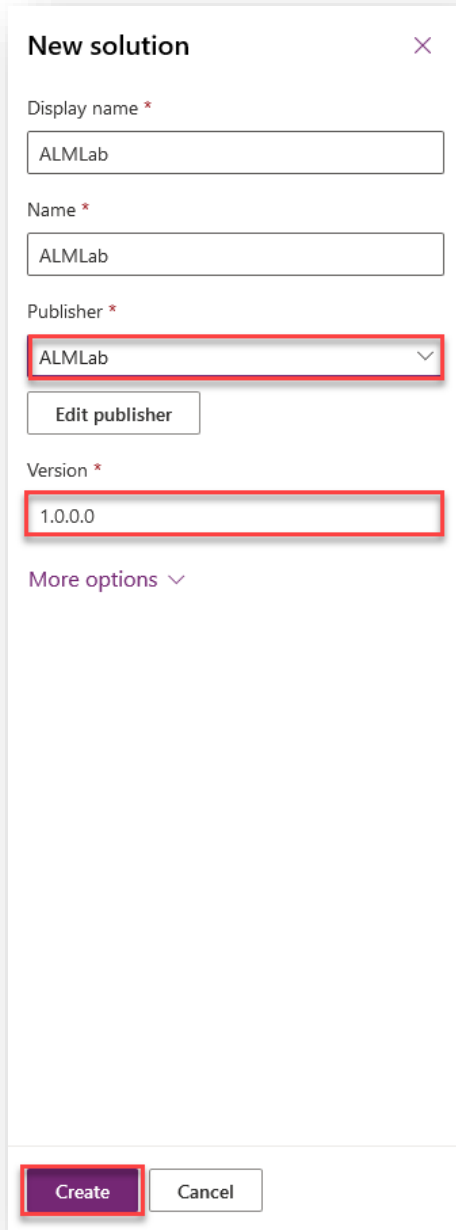
Website

Address

Street 1 ZIP/Postal Code

Street 2 Country/Region

5. On the new solution panel, select the publisher that you just created, give the application a version number, and click **Create** to create a new unmanaged solution in the environment.



New solution ✕

Display name *

ALMLab

Name *

ALMLab

Publisher *

ALMLab ▼

Edit publisher

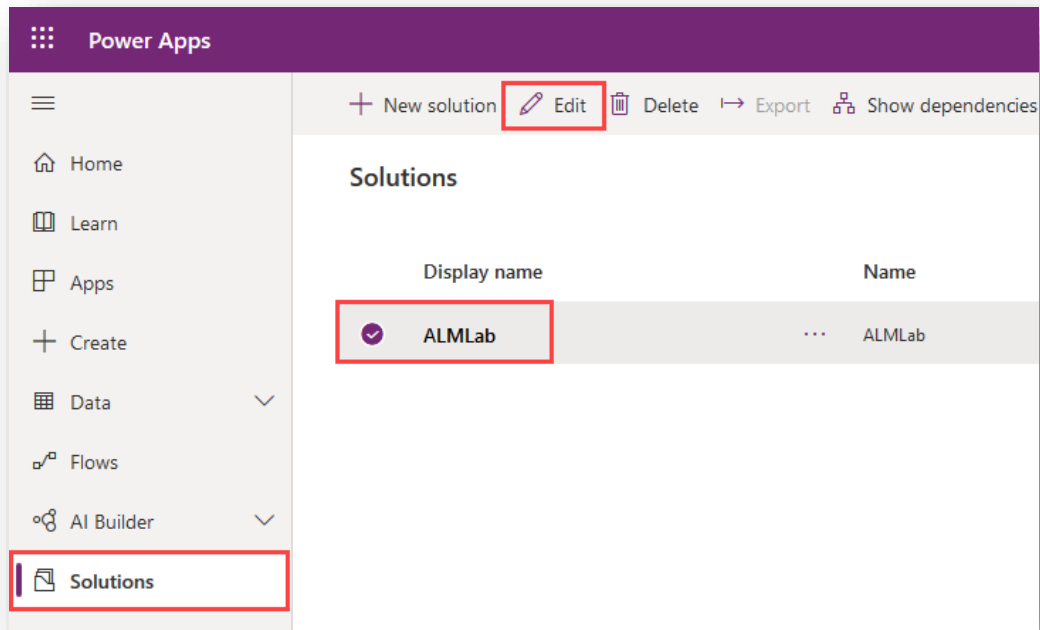
Version *

1.0.0.0

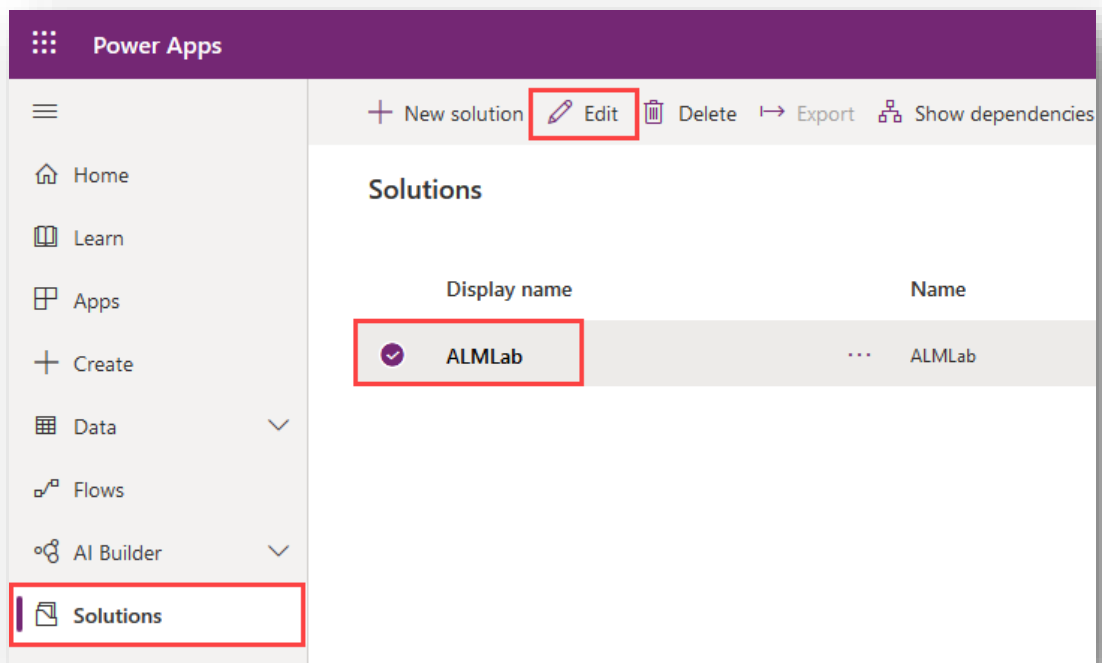
More options ▼

Create Cancel

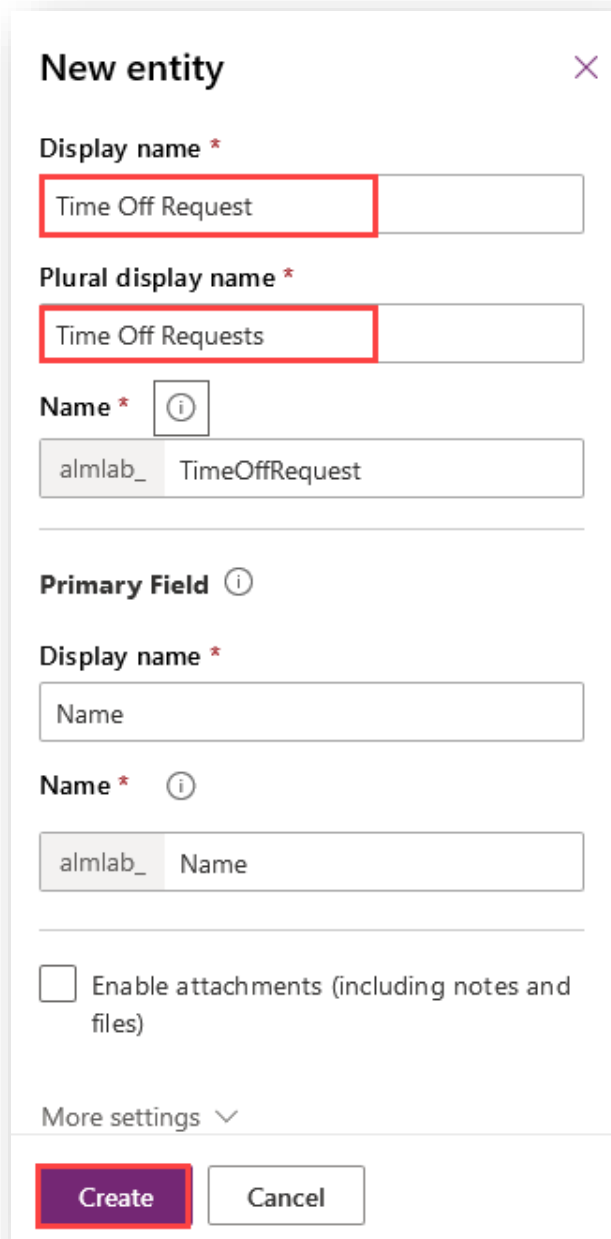
6. In the solutions list, select the solution you just created and click the **Edit** button.



7. Your new solution will be empty, and you need to add components to it. In this lab we will create a custom entity. Click the **New** dropdown from the top navigation and select **Entity**.



8. Enter a display name and plural name. The system will fill out the entity name and other fields for you. Click **Create** to create the entity.



New entity ✕

Display name *

Time Off Request

Plural display name *

Time Off Requests

Name * ⓘ

almlab_ TimeOffRequest

Primary Field ⓘ

Display name *

Name

Name * ⓘ

almlab_ Name

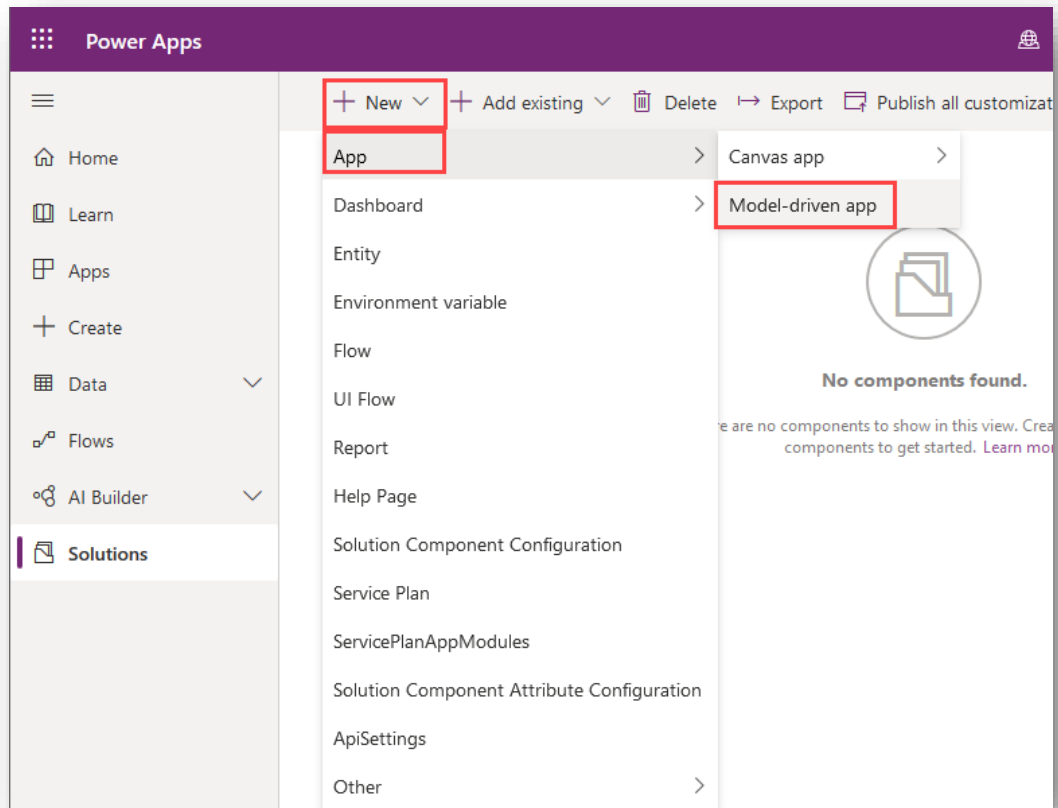
☐ Enable attachments (including notes and files)

More settings ▾

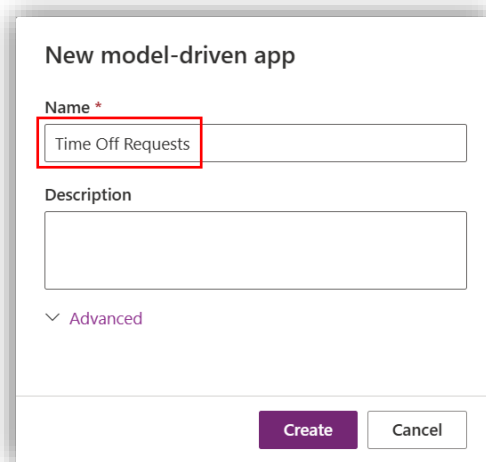
Create Cancel

9. Once your entity is created, click the solution name again to go back to the solution view to add another component

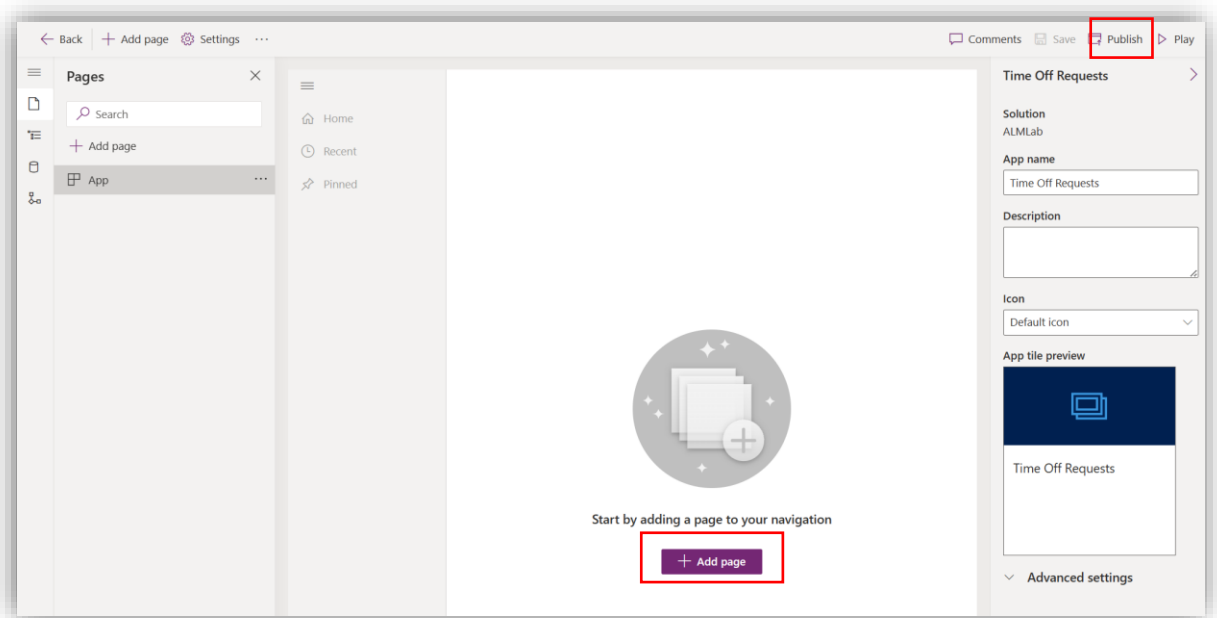
10. Click the **New** dropdown, then **App**, and **Model-driven app**.



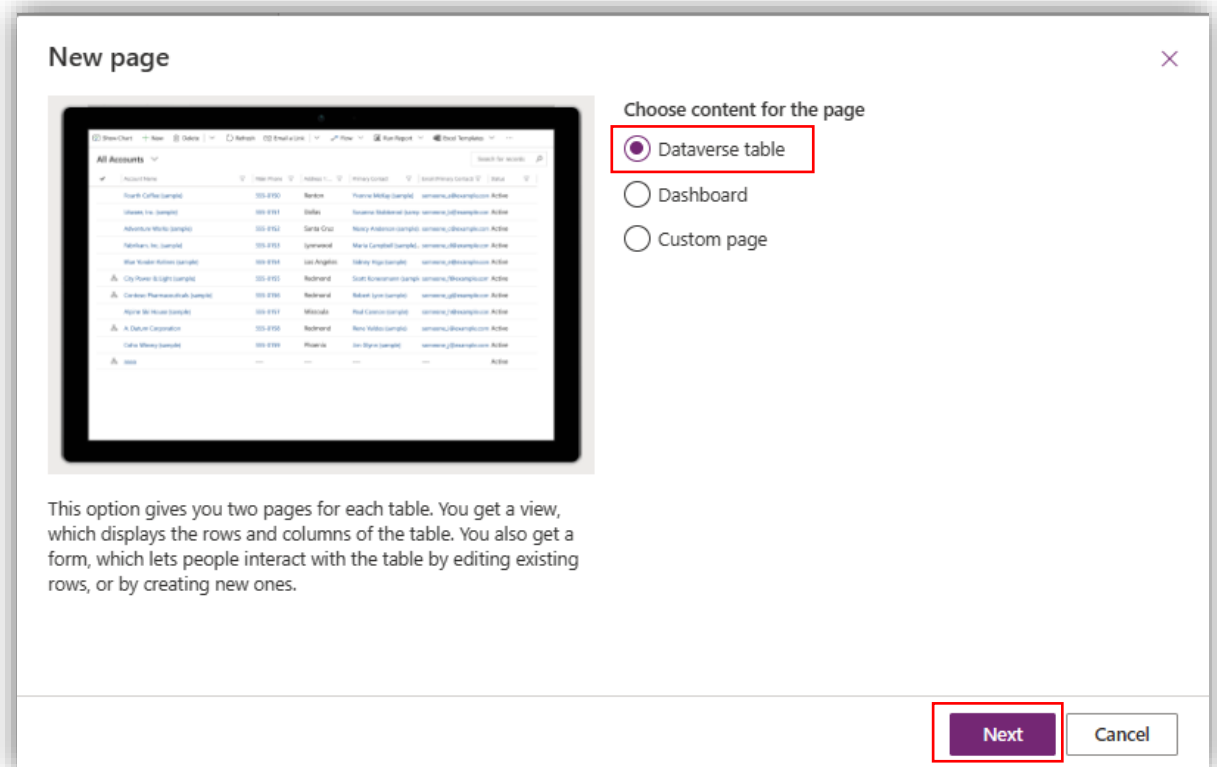
11. Enter an application name and click the **Create** button.

A screenshot of the 'New model-driven app' form. The 'Name' field is highlighted with a red box and contains the text 'Time Off Requests'. The 'Description' field is empty. Below the description field is a link labeled 'Advanced'. At the bottom of the form are two buttons: 'Create' and 'Cancel'.

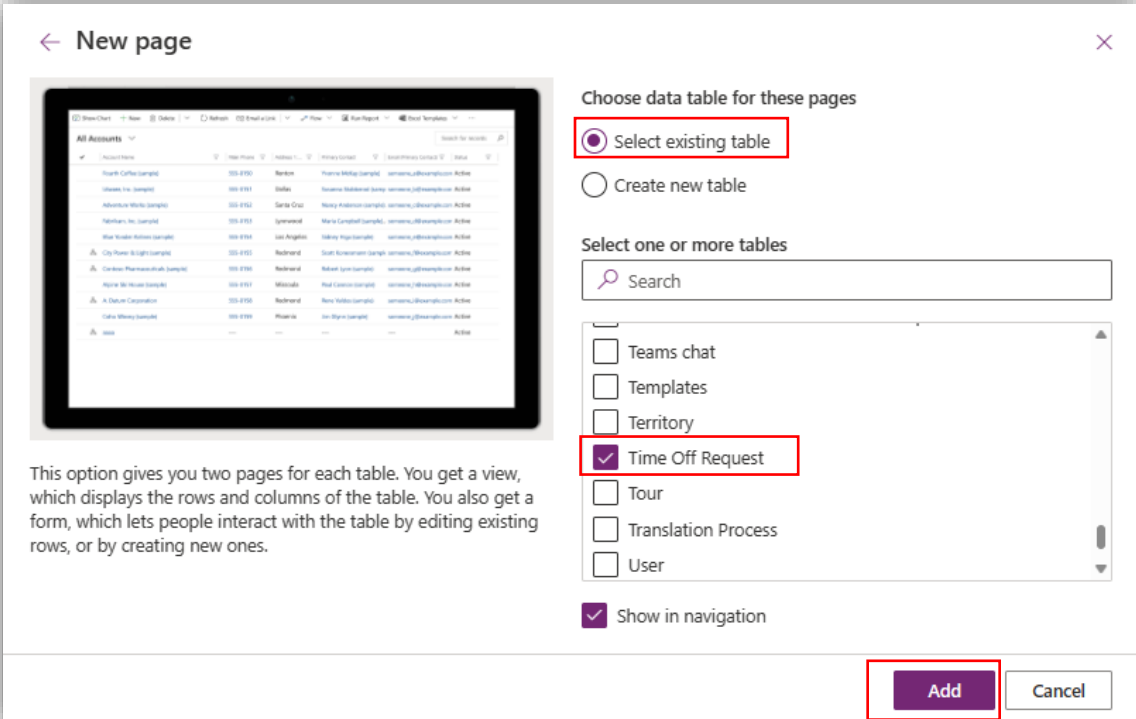
12. Click **Publish** the click **+ Add page**.



13. Select a Dataverse table and click **Next**.



14. Select an existing table and **Time Off Request** from the tables below. Click **Add**.



New page

Choose data table for these pages

☒ Select existing table

☐ Create new table

Select one or more tables

Search

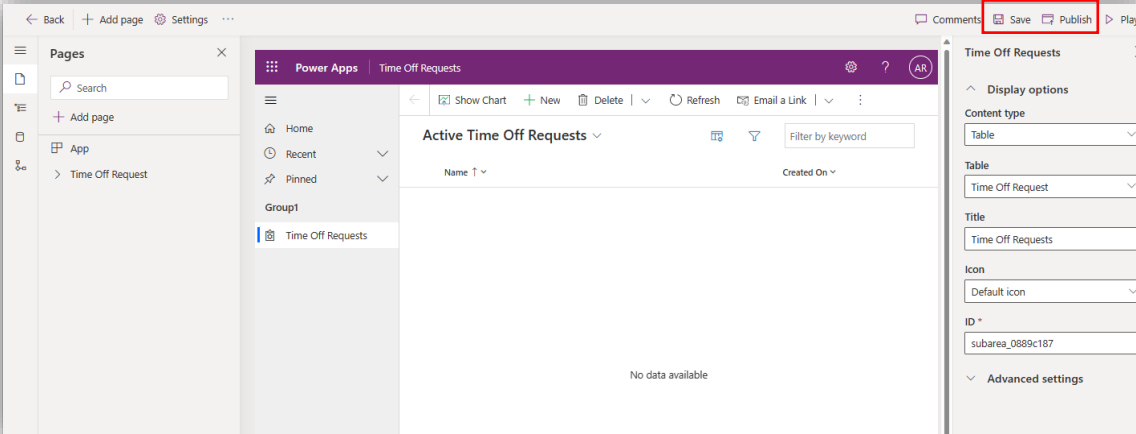
- ☐ Teams chat
- ☐ Templates
- ☐ Territory
- ☒ Time Off Request
- ☐ Tour
- ☐ Translation Process
- ☐ User

☒ Show in navigation

Add Cancel

This option gives you two pages for each table. You get a view, which displays the rows and columns of the table. You also get a form, which lets people interact with the table by editing existing rows, or by creating new ones.

15. Click **Save** and then click **Publish**.



Back + Add page Settings

Comments Save Publish Play

Power Apps Time Off Requests

Home Recent Pinned Group1 Time Off Requests

Active Time Off Requests

Name ↑ Created On ↓

No data available

Time Off Requests

Display options

Content type Table

Table Time Off Request

Title Time Off Requests

Icon Default icon

ID * subarea_0689c187

Advanced settings

16. Click **Play**. When you get a pop-up, click **Publish** and **Play**. This will take you to the application so that you can see how it looks. You can use the application and close the tab when you are satisfied.

