

Power Apps Hands-on Lab

Module 1

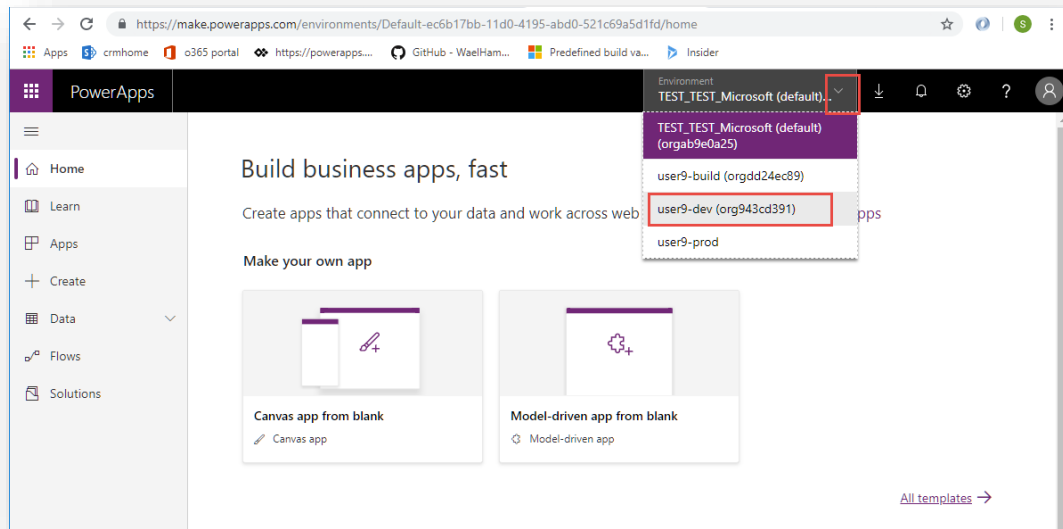
Building Basic Model-driven Common Data Service Application for Deployment Using Azure DevOps

Last Updated: June 1, 2020

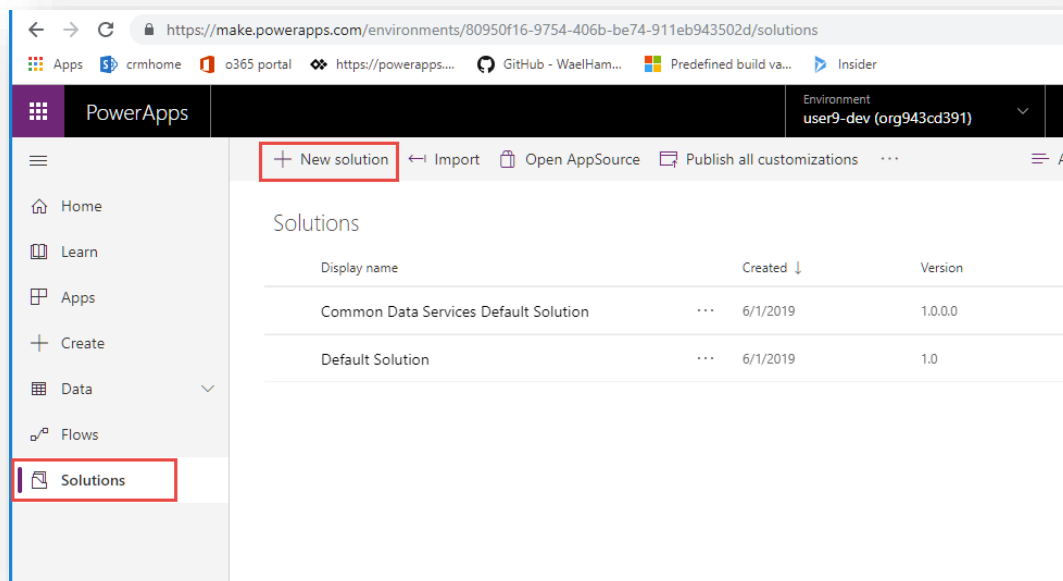
Authors: Per Mikkelsen, Shan McArthur, Evan Chaki

In this lab you will be creating a basic Model-driven Common Data Service 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.



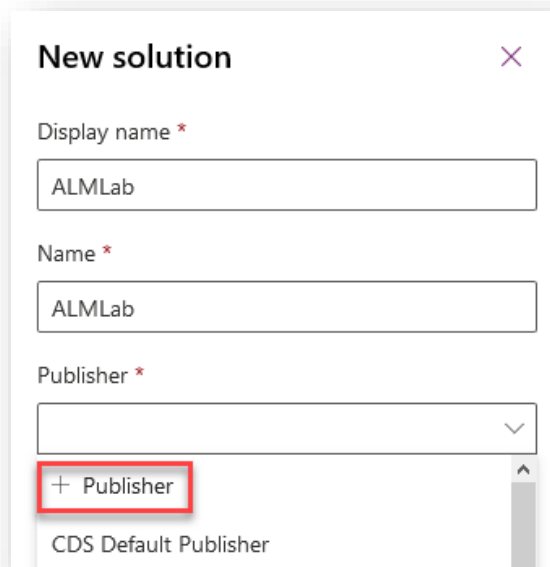
2. Click the Solutions area in the left navigation then click the New solution button to create a new solution.



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

Note: The solution publisher specifies who developed the app. For this reason, you should create a solution publisher name that's meaningful.

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.



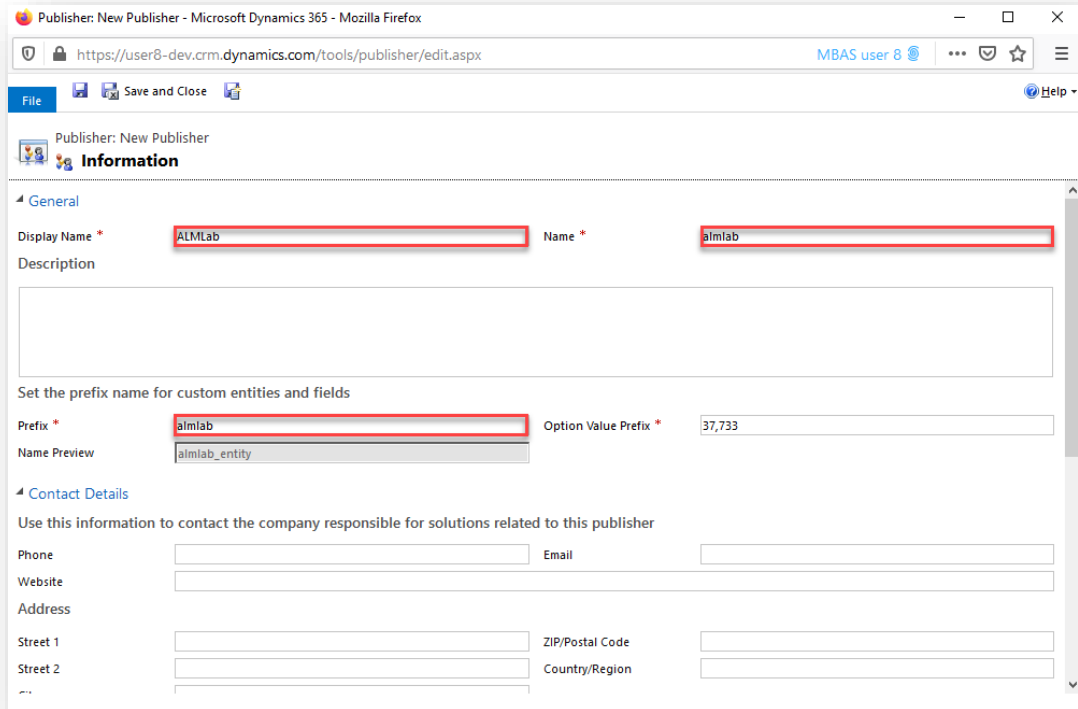
New solution ✕

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 your 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

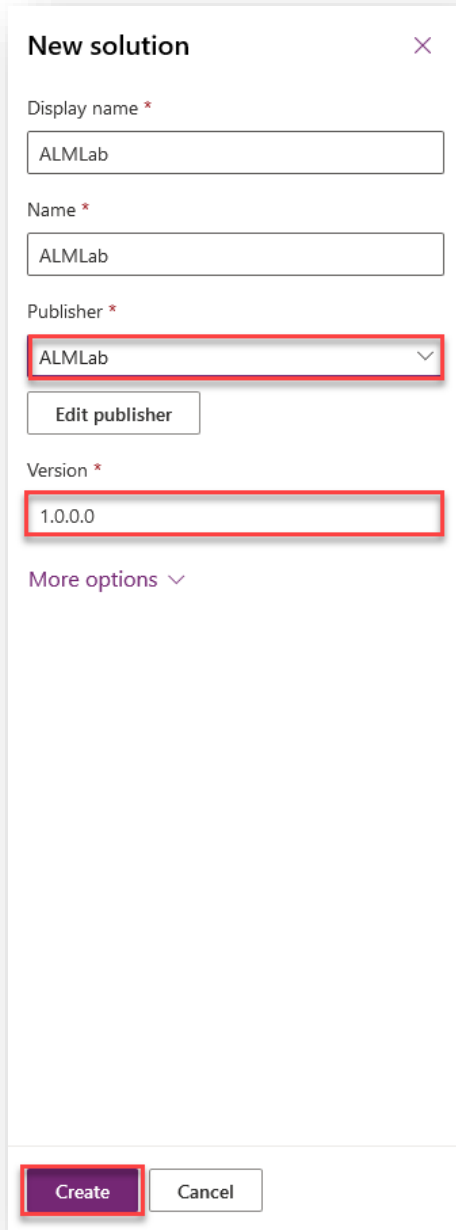
Website

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

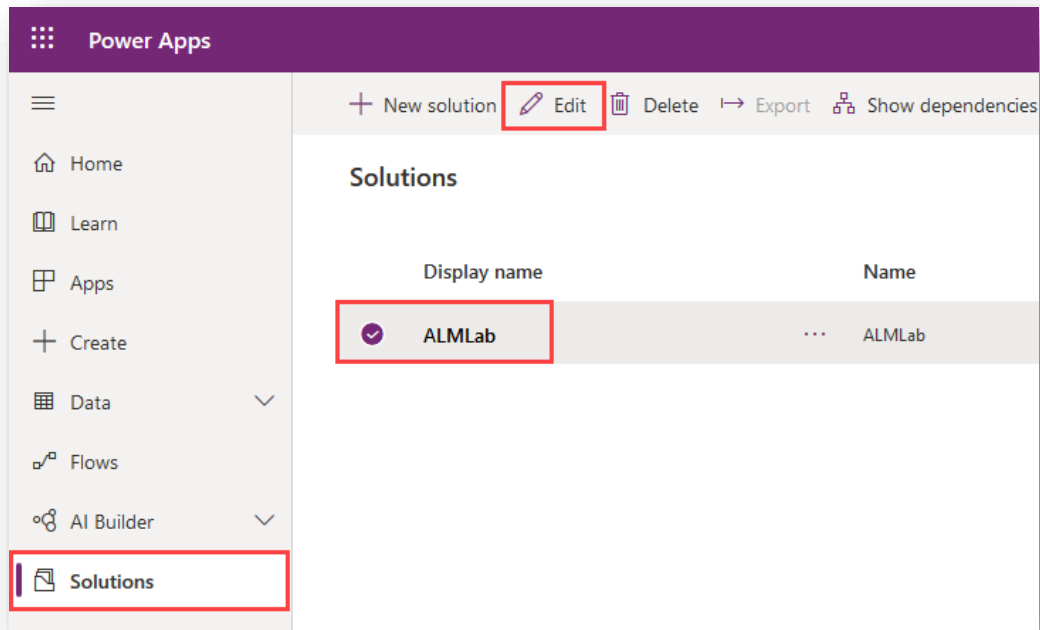
Version *

1.0.0.0

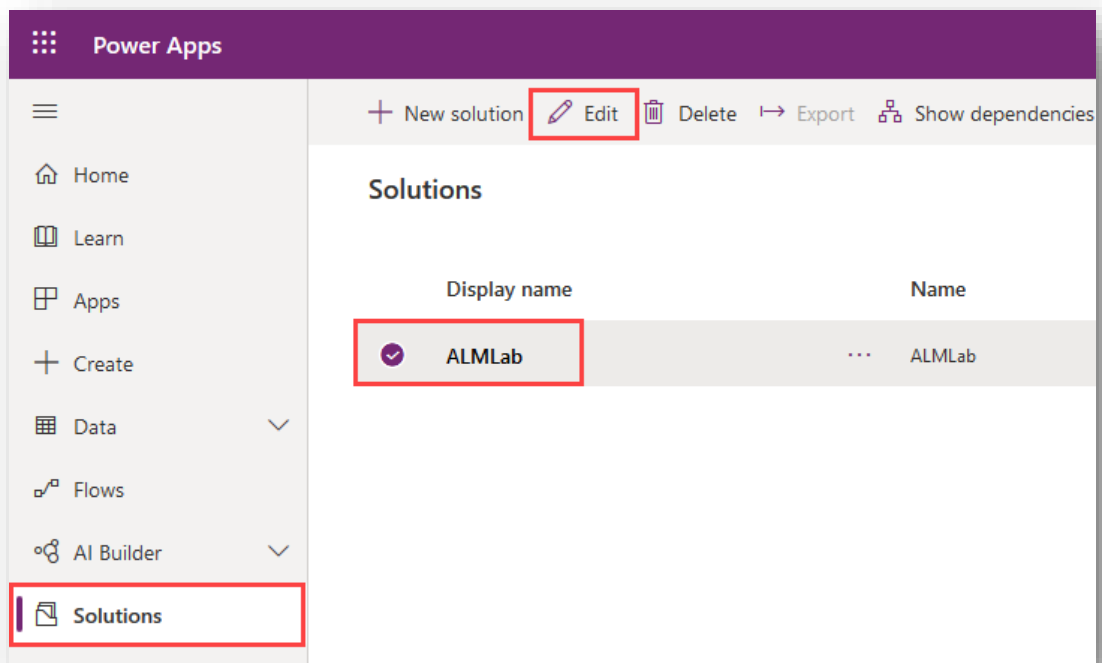
More options ▼

Create Cancel

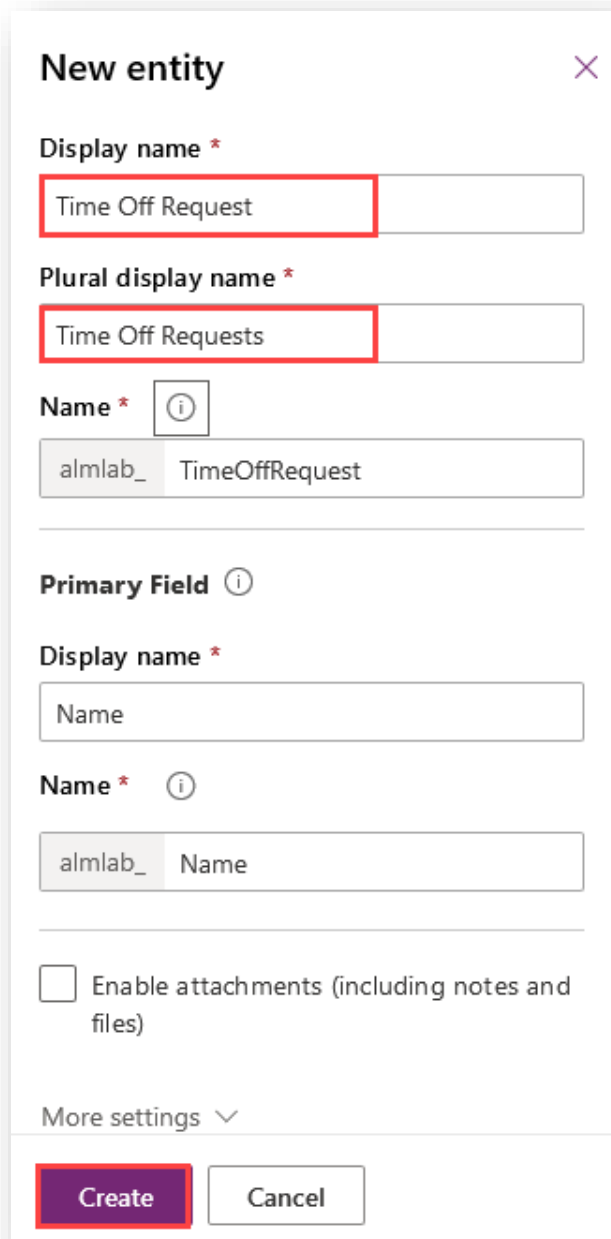
6. In the solutions list, select the solution you just created and click the Edit button.



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

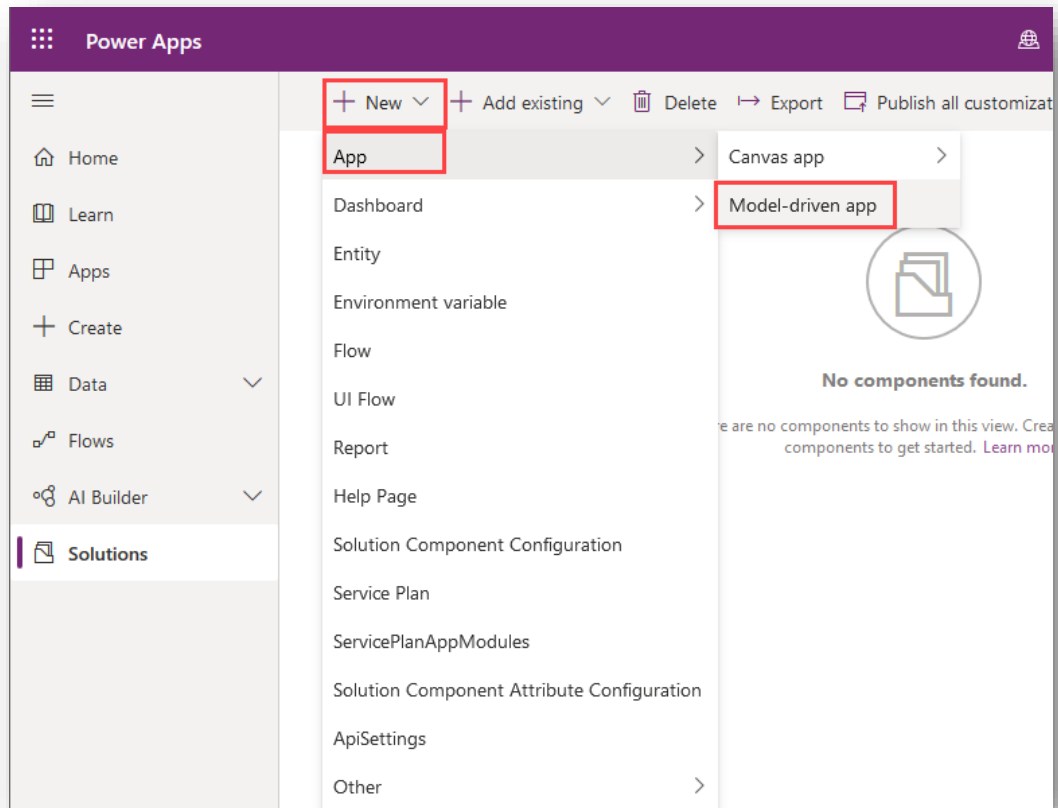
☐ Enable attachments (including notes and files)

More settings ▾

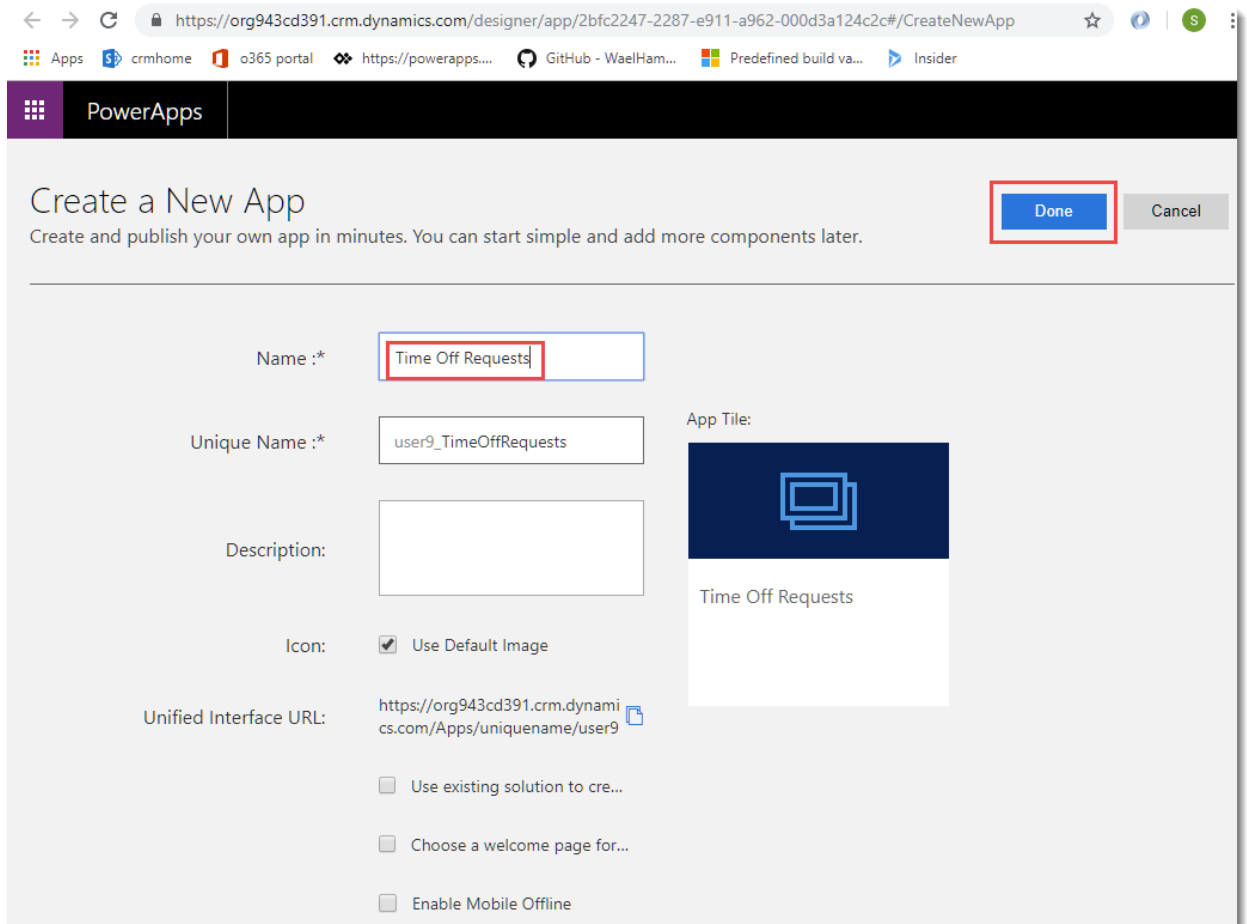
Create Cancel

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 Done button.



PowerApps

Create a New App

Create and publish your own app in minutes. You can start simple and add more components later.

Done Cancel

Name :* Time Off Requests

Unique Name :* user9_TimeOffRequests

Description:

Icon: ☒ Use Default Image

Unified Interface URL: https://org943cd391.crm.dynamics.com/Apps/uniquename/user9

☐ Use existing solution to create...

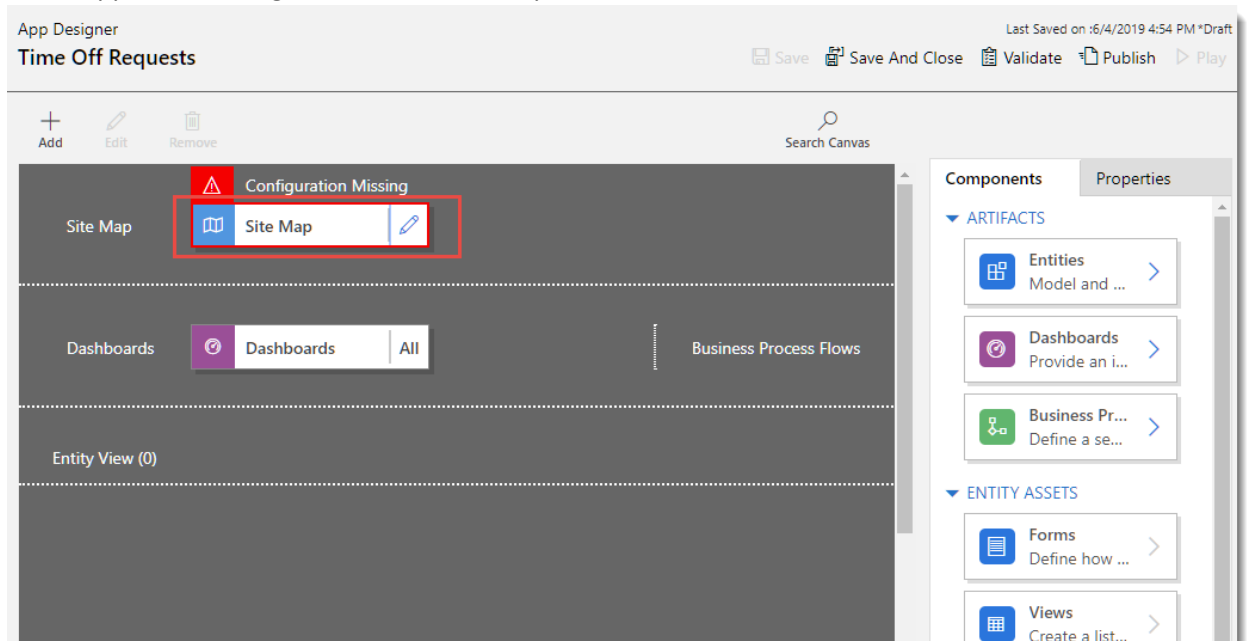
☐ Choose a welcome page for...

☐ Enable Mobile Offline

App Tile:

Time Off Requests

12. In the application designer, click the Site Map to edit it.



App Designer

Time Off Requests

Last Saved on :6/4/2019 4:54 PM *Draft

Save Save And Close Validate Publish Play

Add Edit Remove Search Canvas

Configuration Missing

Site Map

Dashboards Dashboards All Business Process Flows

Entity View (0)

Components Properties

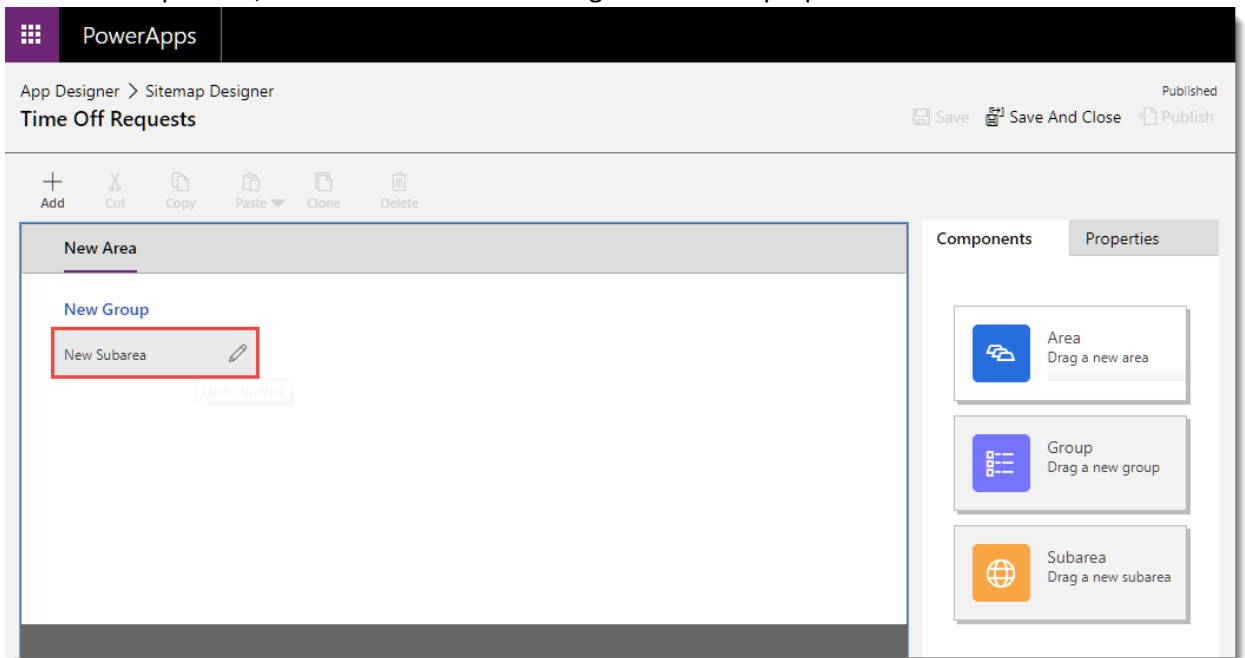
ARTIFACTS

- Entities Model and ...
- Dashboards Provide an i...
- Business Pr... Define a se...

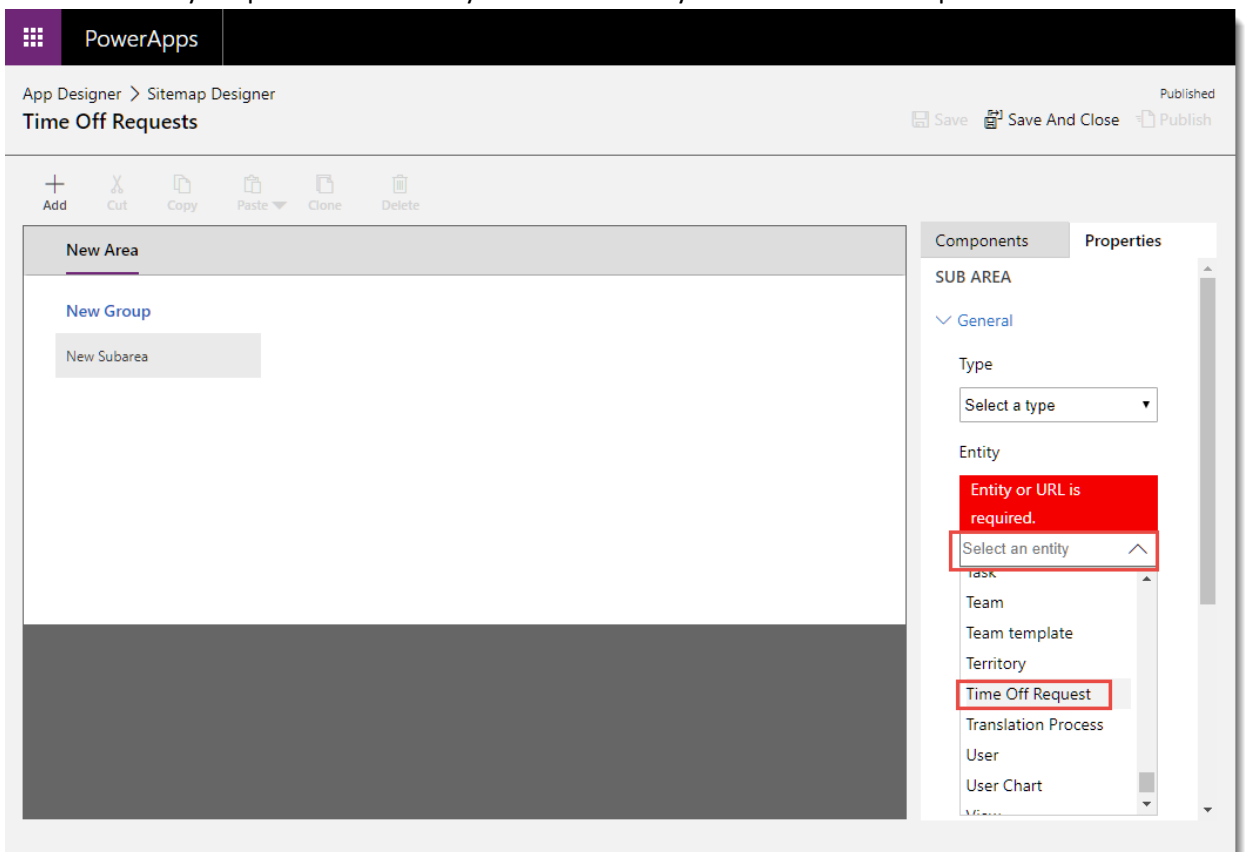
ENTITY ASSETS

- Forms Define how ...
- Views Create a list...

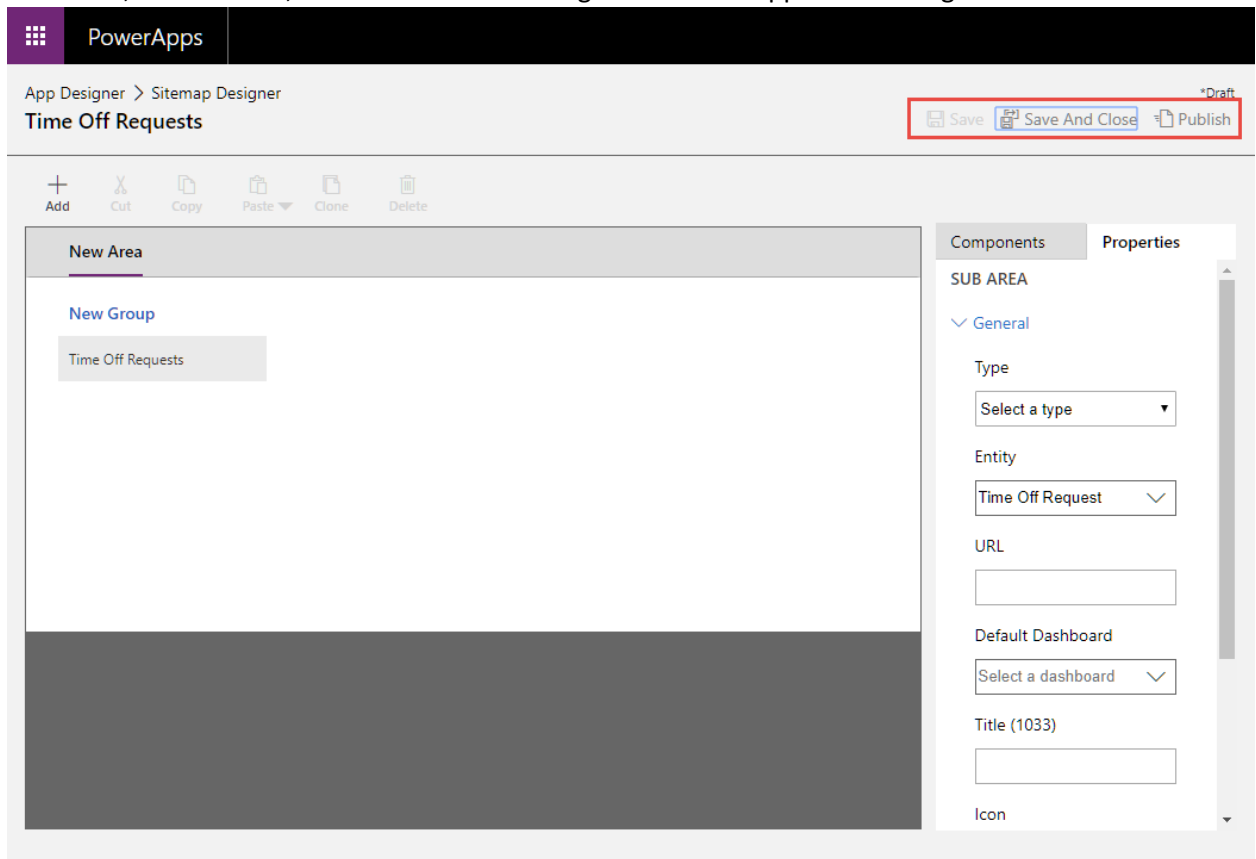
13. In the sitemap editor, select the New Subarea to get its current properties.



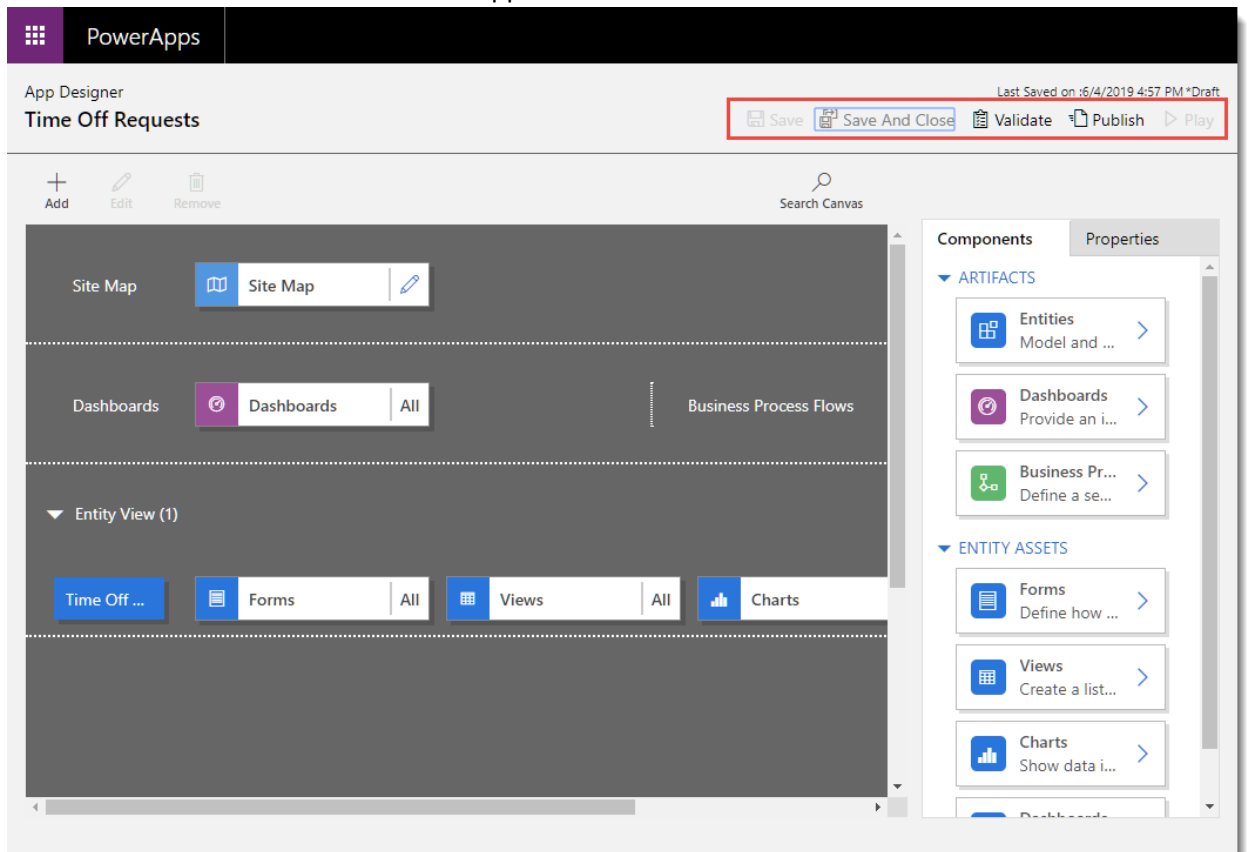
14. Select the Entity dropdown and select your custom entity to add to the sitemap.



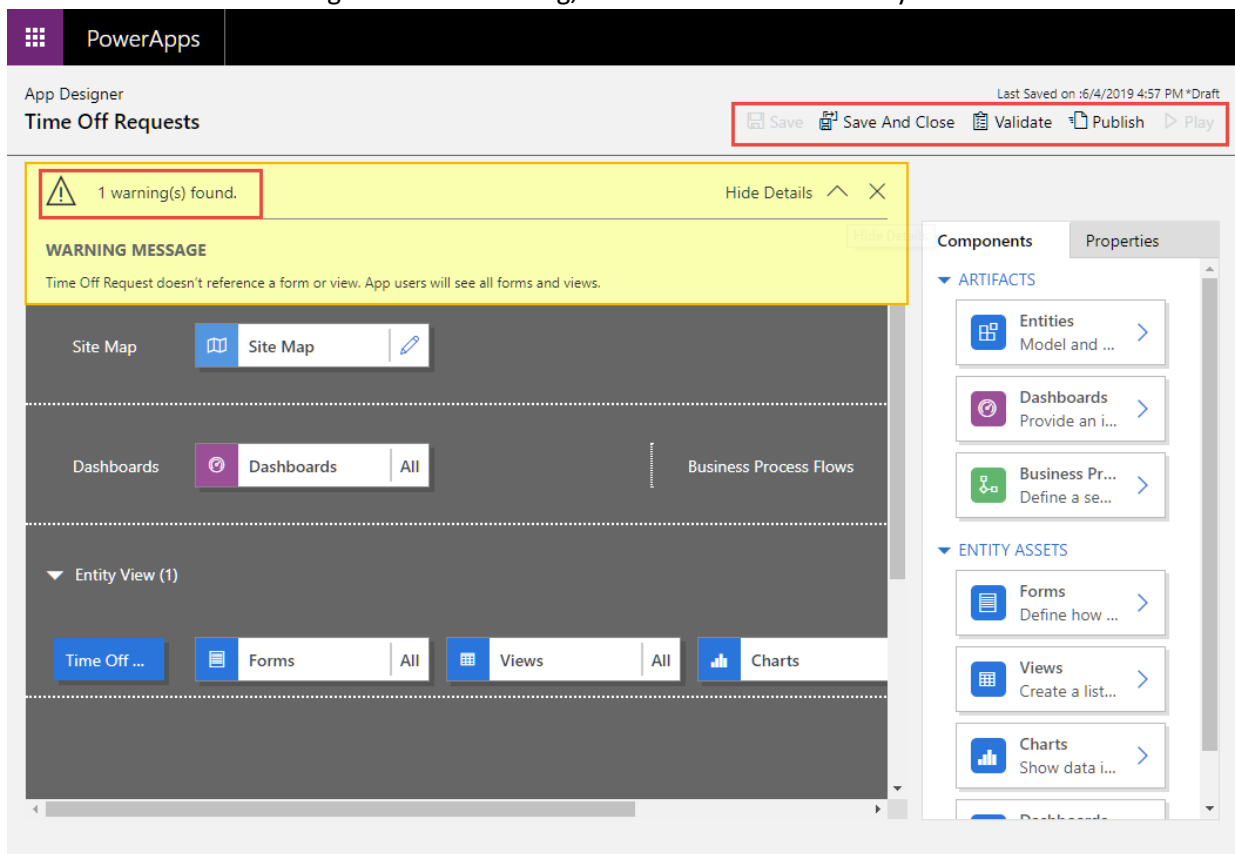
15. Click Save, then Publish, then Save and Close to go back to the application designer.



16. Click Save then Validate to validate the application.



17. You should see one warning. View the warning, then click Publish then Play.



18. 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.

