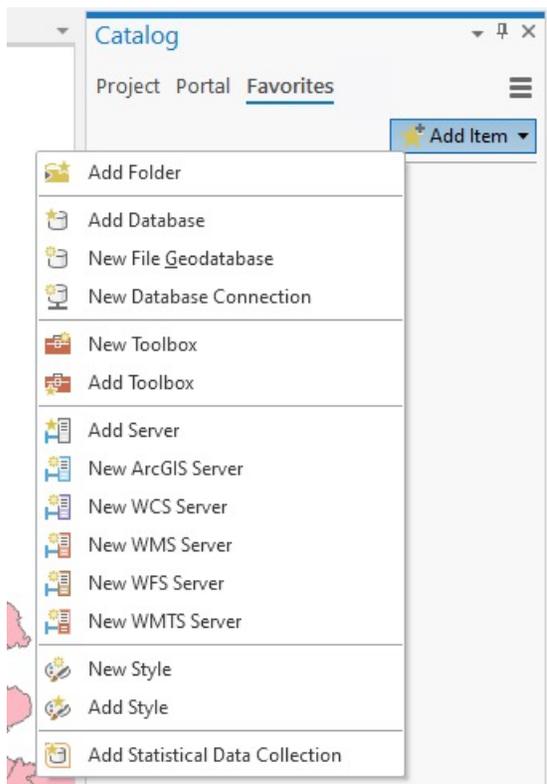
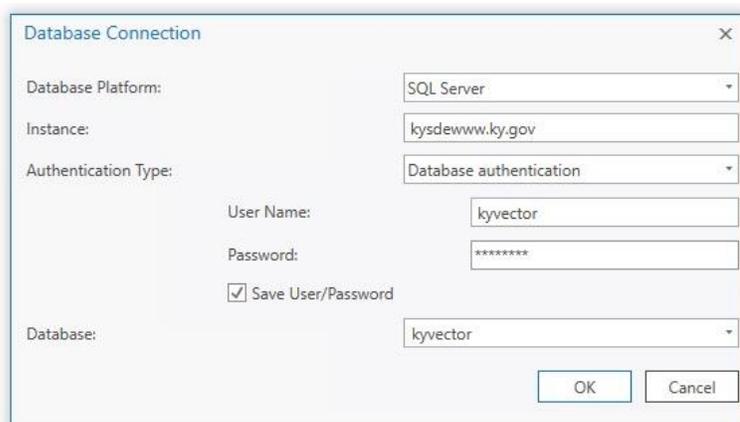


How to Create a Map Image Layer service in ArcGIS Enterprise (Portal)

1. Open ArcGIS Pro
2. Make sure you're logged into Portal not AGOL.
3. Open the Catalog Pane, click on the Favorites tab.



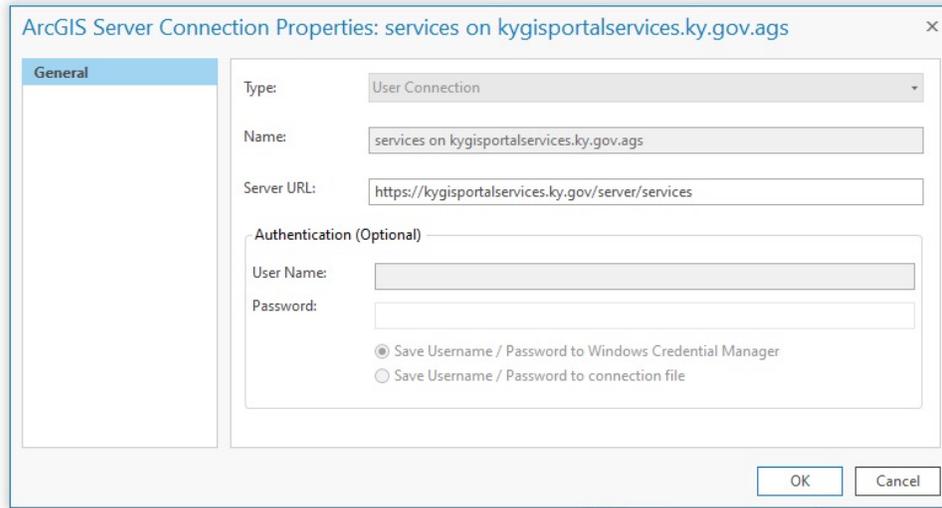
4. Create a New Database Connection – It is important that you connect to **kysdewww.ky.gov** as that instance is a *registered data source* with the Portal Instance. See below for details.

A screenshot of the 'Database Connection' dialog box in ArcGIS Pro. The dialog box has a title bar with 'Database Connection' and a close button. It contains the following fields and options:

- Database Platform: SQL Server (dropdown)
- Instance: kysdewww.ky.gov (text box)
- Authentication Type: Database authentication (dropdown)
- User Name: kyvector (text box)
- Password: ***** (password field)
- Save User/Password (checkbox)
- Database: kyvector (dropdown)

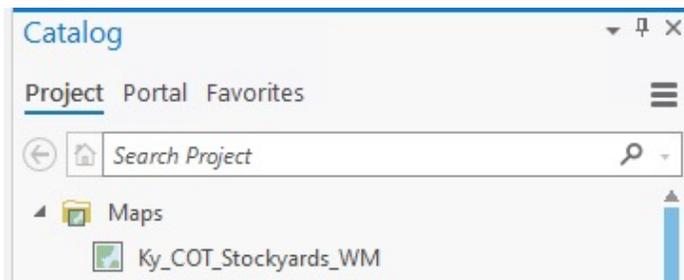
At the bottom right, there are 'OK' and 'Cancel' buttons.

5. Create a New ArcGIS Server Connection - Server URL = <https://kygisportalservices.ky.gov/server/services>

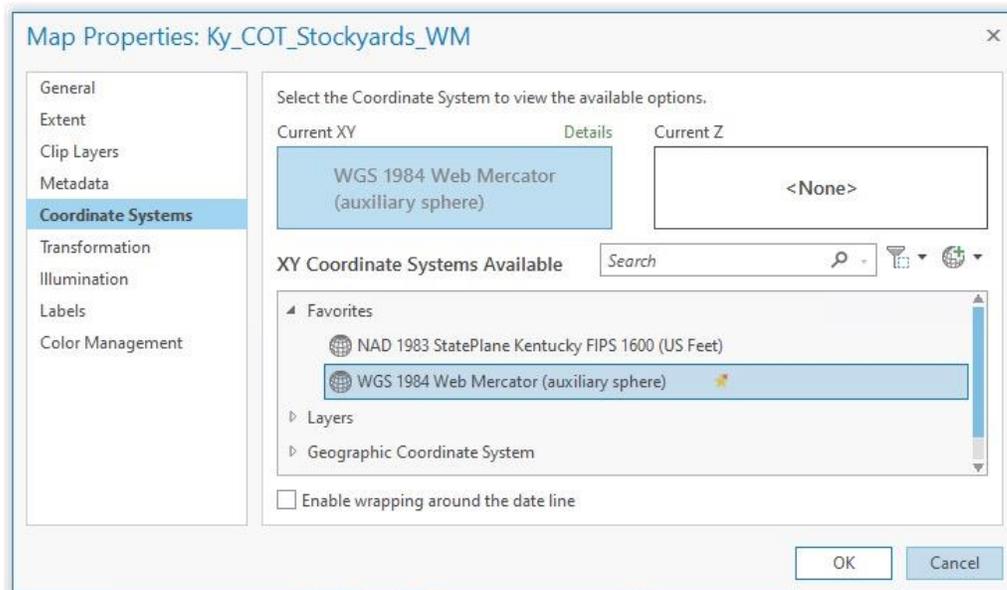


6. Create a new map in your Project - Name the map according to the Portal Naming Conventions found @ <https://kygisportal.ky.gov/arcgis/apps/sites/#/guidance>

If you name your map as per the Portal Naming Conventions, the service that is created from the map will be named correctly.



Next, set the Map Frame Properties to Web Mercator – you can type 3857 into the search bar. *This is very important!* Doing this will ensure that the published map image layer will be in the same coordinate system that is utilized within Portal and on AGOL.



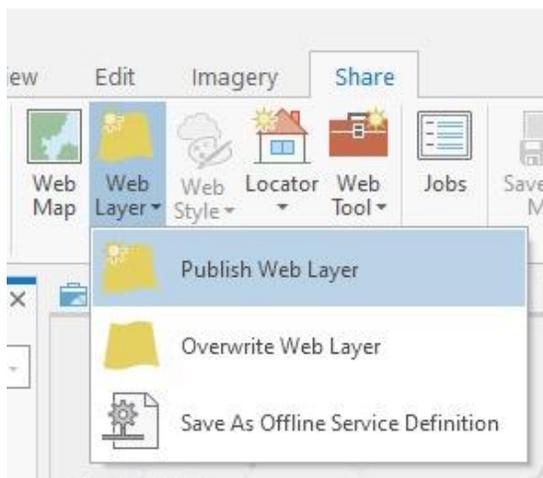
Now, add a single layer from your ArcSDE connection to the map.

Symbolize the layer to suit your needs. You have A LOT more options than are available on AGOL.

If you have a basemap, delete it from your map document. All you need is the layer you want to publish. Nothing else.

Save the ArcGIS Pro Project before proceeding. Doing this frequently isn't a bad idea.

7. Now, select Web Layer > Publish Web Layer from the ribbon.



Pay close attention to each element in the **Share As Web Layer** dialogue. Never select any of the “Copy all data” options when your source data is a registered data store like an ArcSDE database such as KyVector.

Correctly Named Map Document.

You must provide a summary.

Tags are required too.

Map Image is default, if you want an associated Feature Layer check the box.

NEVER CHECK THESE BOXES!

Choose one of your portal folders.

You set this up earlier.

Select your agency’s folder. Don’t put it at root.

Share the layer to suit your needs

Share As Web Layer

Sharing Ky_COT_Opportunity_Zones_WM As A Web...

General Configuration Content

Item Details

Name
Ky_COT_Opportunity_Zones_WM

Summary
Opportunity Zones in Kentucky

Tags
opportunity zones ×
economic development × EDIS ×

Data and Layer Type ⓘ

Reference registered data

Map Image
 Feature

Copy all data

Feature
 Tile
 Map Image
 Vector Tile

Location

Portal Folder
Map Services (Map Image Layers)

Server and Folder
https://kygisportalservices.ky.gov/server (Hosting Ser...
COT

Share with

Everyone
 KyGISPortal
Groups

Finish Sharing

Analyze Publish Jobs

You will see this warning because the source layer is in KY1Z. It's Ok . . .

Type:	Warnings
Code:	10001
Severity:	Medium
Status:	Unresolved
Name:	Ky_Stockyards
Description:	Layer's data source has a different projection [NAD_1983_StatePlane_Kentucky_FIPS_1600_Feet] than the map's projection

The whole process is fairly quick. If there are any issues, you'll see them in the results.

8. Check your service:

https://kygisportalservices.ky.gov/server/rest/services/COT/Ky_COT_Stockyards_WM/MapServer

If you shared with "Everyone" your service can be found at the appropriate REST endpoint. If not, you can still find @ <https://kygisportalservices.ky.gov/server/rest/services>, but you'll have to use the login function in the upper right-hand corner first.

Check your spatial reference. It should look like this: **Spatial Reference:** 102100 (3857)
If not, your map frame coordinate system was not setup correctly.

If you chose to enable feature access, a corresponding (FeatureServer) will be available.

ArcGIS REST Services Directory

[Home](#) > [services](#) > [COT](#)

[JSON](#) | [SOAP](#)

Folder: COT

Current Version: 10.71

View Footprints In: [ArcGIS Online Map Viewer](#)

Services:

- [COT/Ky_Cnty_COVID19_Cases](#) (FeatureServer)
- [COT/Ky_Cnty_COVID19_Cases](#) (MapServer)
- [COT/Ky_COT_KyRiverBasinLocks_WM](#) (MapServer)
- [COT/Ky_COT_Opportunity_Zones_WM](#) (FeatureServer)
- [COT/Ky_COT_Opportunity_Zones_WM](#) (MapServer)
- [COT/Ky_COT_Stockyards_WM](#) (MapServer)

9. If you need to delete your service you must do it within Portal. Login into Portal, go to your contents, and search for the Map Image layer you just published. Find the Delete Protection area on the Settings page and click on the red Delete item button.

The screenshot shows a settings page with the following sections:

- General**
- Content Status**
 - Recommend the use of this item.
 - [Mark as Authoritative](#)
 - Discourage the use of this item.
 - [Mark as Deprecated](#)
- Delete Protection**
 - Prevent this item from being accidentally deleted.

A red [Delete Item](#) button is located in the bottom right corner of the settings area.