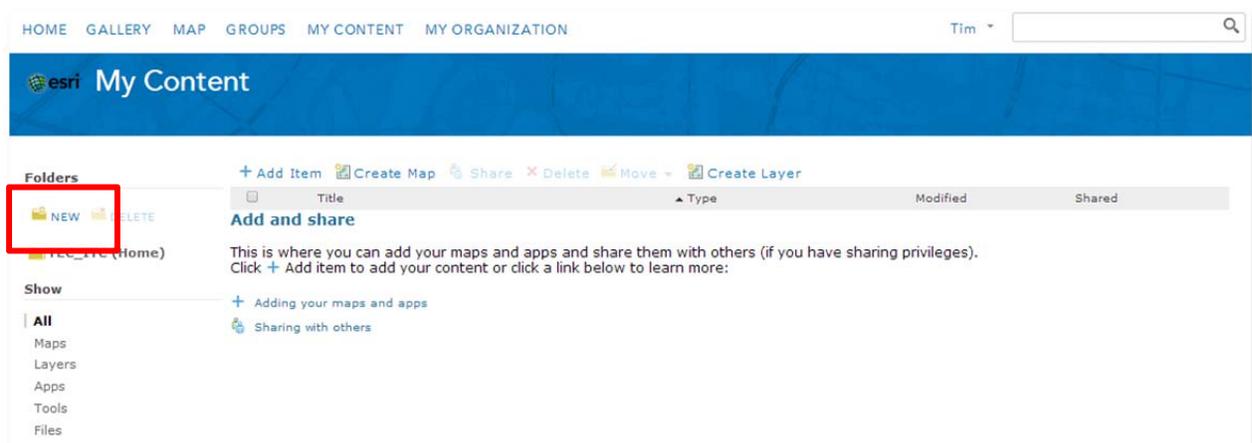


Exercise 1

In this exercise, you'll explore adding content to ArcGIS Online. First you'll register an existing web service, and then you'll publish a new hosted service. You'll also learn how to edit an item's details.

Register ArcGIS Server Map Service

1. In your browser (preferably Firefox or Chrome), go <http://www.arcgis.com/home>.
2. Click **Sign In** in the top right corner, and log in with your ArcGIS Online credentials for your organization.
3. If not there already there, go to **My Content**. Use the button at the top of the panel on the left to create a new folder called "NCTC ArcGIS Workshop".



4. After you create it, click the folder once to look at its contents (it's empty right now so you won't see anything). Click the **Add Item** button at the top of the main panel. In the dialog that appears, click the first dropdown to see the options ('From my computer', 'From the web', 'An application'). Click each one to see how the dialog changes.
5. Click the option for '**From the web**'. For the URL, type: http://maps1.arcgisonline.com/ArcGIS/rest/services/USA_Federal_Lands/MapServer. This is a map service of US Federal Lands. There is also a file named C:\ArcGIS Online \Txt Files\COPYPaste.txt that you can use to copy/paste the string into the open dialog. Click outside of the URL box to search for the layer.
6. The **Title** field should automatically fill. In **Tags** enter (**Federal Lands, USA**). Before you finish adding the item, **add "_" and your initials (e.g. _TEC)** to the title of the service (since everyone is registering the same thing). Click **Add Item** to finish.
7. You'll be taken to the **Details** page for this new item. Notice the description is automatically populated. If a service you're registering is not published with this information, you can add it after you register that service on ArcGIS Online.

- Click the **Edit** button beneath the thumbnail image. This will let you make changes to the details for this item. Notice the text formatting options for the description. Under the **Access and Use Constraints** section, type **“For ArcGIS Online Workshop training purposes only.”** Click **Save** at the bottom of the page.

The screenshot shows the 'Details' page for an ArcGIS Online item. It is divided into three main sections: 'Description', 'Access and Use Constraints', and 'Properties'.
1. **Description:** Contains a rich text editor with the text: "This map presents the federal and Indian-owned land areas of the United States. It provides the federal and Indian-owned land areas for geographic display and analysis at regional and local scale levels."
2. **Access and Use Constraints:** This section is highlighted with a red rectangular box. It contains the text "For Training Purposes Only".
3. **Properties:** This section includes fields for URL, Tags (Federal Lands, USA), Credits, and Extent (Left: -183.34, Right: -61.03, Top: 95.08, Bottom: 39.95). A 'SAVE' button is highlighted with a red rectangular box at the bottom left of the Properties section.

- Go back to **My Content** by using the button at the top of the screen. In your ArcGIS Workshop folder, you'll now see the map service listed as an item.

Publish a Hosted Service

- Click **Add Item** again. This time, we'll add a shapefile that's on our machine. Choose the **'From my computer'** option, and click the **Browse** button. Browse to your class data directory and select the **C:\ArcGIS Online\Zipfiles\2015_LCC_Network.zip** file. This .zip file contains all the component files of the shapefile. They must be zipped before you can upload them to ArcGIS Online.
- Click **Open** to Add the Shapefile.
- In the *Item from my Computer* dialog, notice the option to **'Publish this file as a feature service'** is checked by default. Change the title to **“2015_LCC_Network_<your initials>”**. For tags, just enter **“LCC Boundaries”**.
- Click **Add Item**. As with the map service you just registered, you'll be taken to the **Details** page for the new hosted service. In place of the thumbnail, you'll see a spinning wheel indicating that the service is still being started. After the service is started, a default thumbnail is created.

Item from my computer ?

Add an item from your computer.

File: 2015_LCC_Network.zip

Contents:

Publish this file as a hosted layer
(Adds a hosted layer item with the same name.)

Title:

Tags:

14. Since this service wasn't authored in Desktop, there was no description, credits, etc. prepopulated for you. Click the **Edit** button to edit the item's details. For the **Summary**, type "**2015 LCC Boundaries**", for the **Description**, type "**2015 LCC boundaries**". For **Access and Use Constraints**, enter "**For training purposes only**". Click **Save**.
15. Now that the Feature Layer for 2015 LCC Boundaries has been created, click the Edit button on the Details page once more. Scroll to the bottom of the page- note the options to enable editing of this data over the web. Also note that we can allow other users to download from this service. Enable the ability to download by clicking on the **checkbox** next to "Allow others to export to different formats."
16. Before saving, click the thumbnail to change it. Browse to your workshop's Images folder, and choose the LCC.png file. Click **OK**, then Click **Save**.

2015 LCC Boundaries

Feature Layer (Hosted) by tclark_LNR

Source: Feature Service

Last Modified: January 4, 2016

☆☆☆☆ (0 ratings, 4 views)

Facebook Twitter

OPEN SHARE EDIT DELETE PUBLISH MOVE CHANGE OWNER USAGE

Description

2015 LCC Boundaries

Access and Use Constraints

For training purposes only

Layers

2015_LCC_Network_TEC

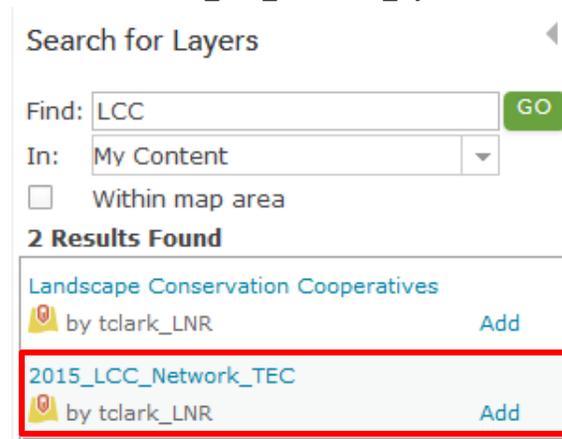
17. Go back to **My Content**. Notice that now you have three items in your workshop folder: the map image you registered (Type = Map Image Layer), the uploaded shapefile (Type = Shapefile), and the hosted feature services (Type = Feature Layer).

18. In the search bar at the top right of the screen, type “LCC” and hit Enter. You should see the items from your content and others from your organization. To expand the search, **uncheck** the box on the left next to ‘**Only search in** Now you’ll see results from any ArcGIS Online user that has shared information publicly.

Adding Existing Service to Map

In this section, you’ll use ArcGIS Online to create a web map. You’ll add layers of information from different sources, configure symbology and pop-ups, and save the map to your content.

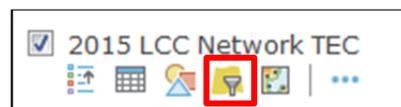
1. Click the **Map** button at the top of the page to go to the ArcGIS Online mapping interface. If you already had another map open already, click **New Map** near the top right corner, then select *Create New Map*.
2. The default basemap may not be appropriate for the map you’re building, so click the **Basemap** button near the top left to bring up the Basemap Gallery. Click on **Topographic Map** to switch to that basemap.
3. Click the **Add** button at the top left and select **Search for Layers**.
4. From the **In:** dropdown, choose **My Content**. In the **Find:** box, enter “LCC”. Uncheck the *Within map area* check box. You should see the service you registered at the beginning of this exercise listed in the results. Find **2015_LCC_Network_<your initials>**, click **Add** to add it to the map.



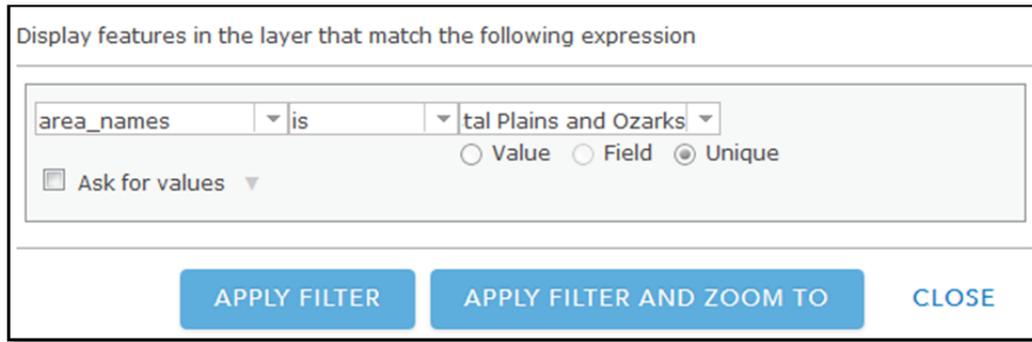
5. Click **Done Adding Layers** at the bottom of the Search panel. You’re now in the Contents panel, and you’ll see that layer listed above the basemap.

Applying a Filter

1. Each Layer in your web map has a set of buttons that allow you to configure the properties for the layer. You can see these buttons by hovering your cursor over each layer..



- For this map, we want to show only the “Gulf Coastal Plains and Ozarks” LCC.
- Click the Filter button to open the Filter dialog.
- In the Filter dialog, create a filter using **area_names is Gulf Coastal Plains and Ozarks**
- Click on the unique radio button to allow you to select the name from a pick list.
- Your Filter should appear as shown below:



- Click **Apply Filter**. Your map should now only show the Gulf Coastal Plains and Ozarks LCC.

Configure Symbology & Pop-ups

- Click on the **Change Symbology** button for the **2015 LCC network_<your initials>** layer, then click on **Options for Location (Single Symbol)**.



- Next, click on the Symbols icon to open the Symbol editor dialog window. You will see color options for both the **Fill** and the **Outline**.



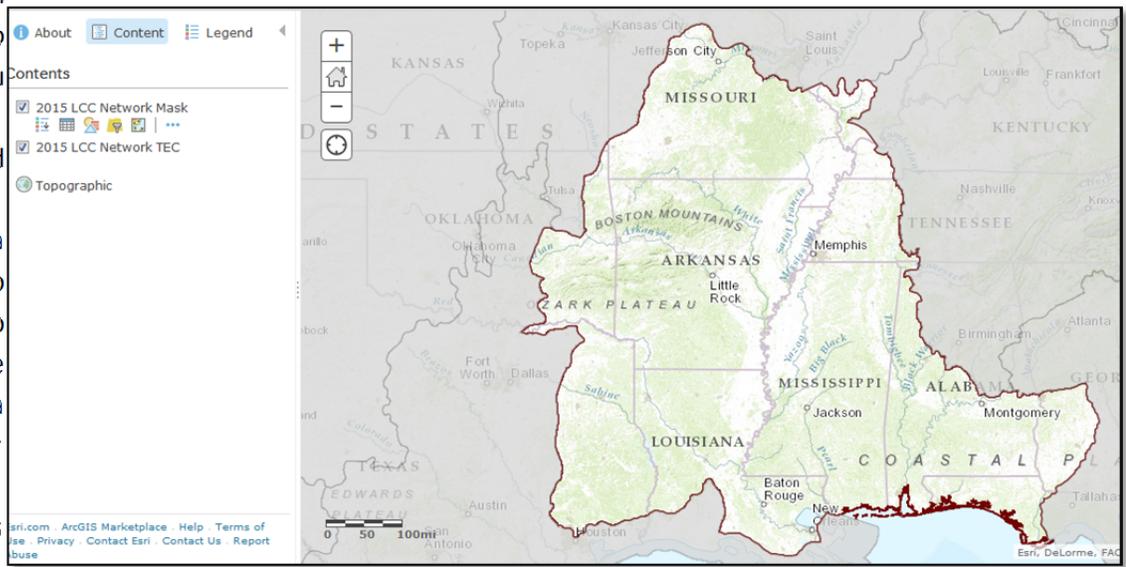
- Set the **Fill Color** to

“No Data” (the box icon with Red

slash).

4. Set the outline Color to *Dark Red (Hex color #730000)*, and outline Width to 2 px. Click **OK** twice to exit the dialogs, then **Done** at the Bottom of the Contents panel.
5. Click **OK** and **Done** to finish the color ramp settings.
6. From the ... options for the 2015 LCC Network_<your Initials>, click Copy to create a copy of the Layer.
7. Modify the copied Layer filter to: **area_names is not Gulf Coastal Plains and Ozarks**.
8. Modify the Color to a light gray fill, and a single pixel wide, medium gray outline. Set the transparency to 25%.
9. Rename the copied layer to **2015 LCC Network Mask**, zoom into the area on the map. Your map

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milar:

Add Additional Layers to your Map

1. In Add Data, select Search for Layer.
2. Search In: ArcGIS Online, Find: owner:esri AND title:"USA Parks". Select Add to add the Layer.
3. Modify the colors of the new layer:



4. Move your Layer below the LCC Network Mask.
5. In the Add Data Dialog, search for Layers using the Find string: *owner:FWSGIS*. Add the **National Wildlife Refuge Boundaries**.
6. Using the More Options button **...**, remove the Popup from all of the layers except the National Wildlife Refuge Boundaries.
7. Expand the National Wildlife Refuge Boundaries service by clicking on the name.
8. Select **Configure Pop-up** from the *More Options* menu for the FWS Refuge Ownership Boundaries. This dialog allows you to set the actions that happen when you click on a map feature.
10. In the Configure Pop-up menu, change the Pop-up Title to {ORGNNAME}
11. Click on Configure Attributes to check the fields you want to display.
12. Only Check, **Complex Name, Division Name, Unit Name, Status Code** and **Primary Interest Type**. All other fields should not be checked.
13. Click on the SUM_GISACRES field, then set the Format to *0 decimal places*.
14. Click **OK**, then click **SAVE POP-UP**.
1. Click the dropdown arrow next to **Save** and select **Save As** to save your map.
2. In the Save Map dialog:

Enter title: ***Gulf Coastal Plains and Ozarks LLC Federal Lands <your Initials>***

Enter Tags: ***ArcGIS Online Workshop***

Enter Summary: ***"Map of Gulf Coastal Plains and Ozarks LLC with Federal Lands"***

Save in Folder: ***NCTC ArcGIS Workshop***

3. Click **Home > My Content** to return to your Contents page.

END of Exercise