
Work Group 2 – Incident Collect / Response

- Design and create a point collection service for event incidents
 - Collect several example incidents
- Build an operational web map
 - Pull in event service from Group 1
 - Pull in event incident service
- Create a basic viewer app
 - Share with event staff group
- Build a GeoForm to deploy to call center to enter incidents
- Share map for use with Esri Collector app

Create a FeatureService to Collect Incident Information

In your workgroup, think about what data you'd like to collect in the field. The incidents will be called in via radio or phone to the call center and entered onto the map.

Point Feature Service

<https://developers.arcgis.com/en/>

Sign in with your ArcGIS Online account. Click the database icon (looks like a beehive).



Select New Feature Service.



Complete the basic information and select the geometry type.

Basic Information

Title

Description

Geometry Type:

- Points
- Points
- Lines
- Polygons
- Tags

Default Extent

This view will be used if you add this layer to a map without an existing extent.

CONTINUE

Basic Information

Title

Description

Geometry Type

Points ▼

The type of geographic data you can store in this Feature Service

Tags

Add fields to the FeatureService. These are the fields you thought through earlier and added to the FeatureService.

Select Data type for each field. Note: Field name should have no spaces.

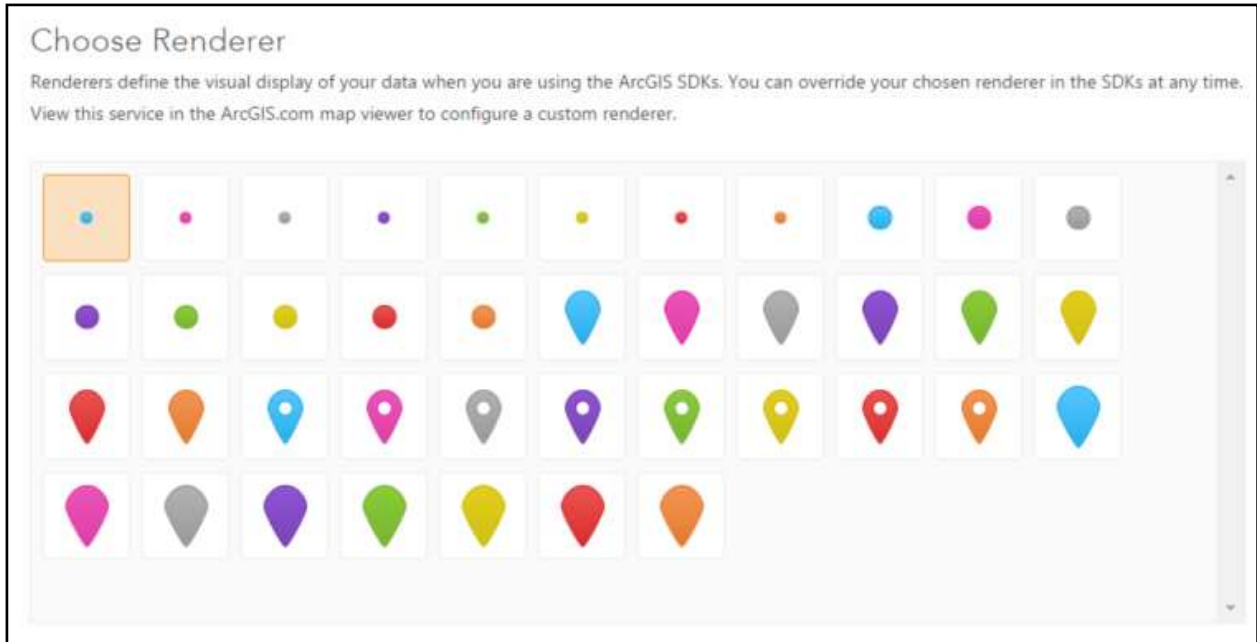
Define Fields

Additional attributes can be associated with geometries in Feature Services. You can query for geometries based on their attributes.

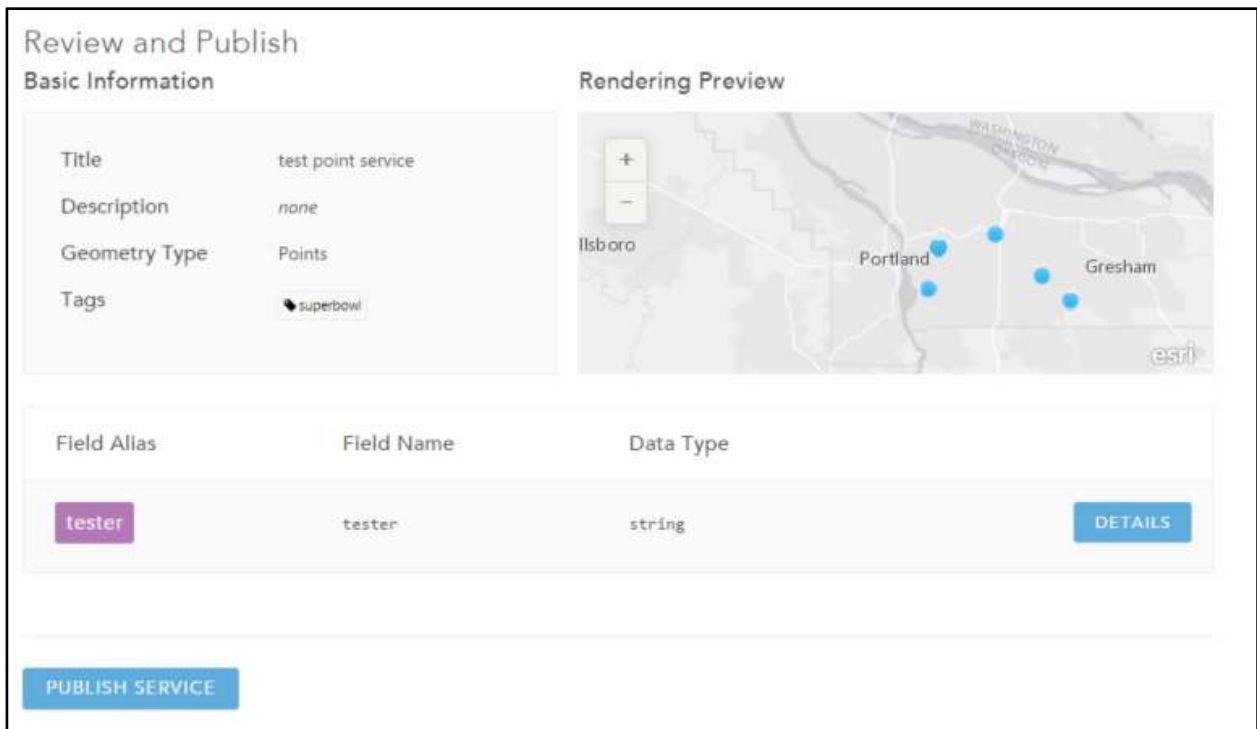
Field Alias	Field Name	Data Type	
Field Alias	Field Name	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">String ▼</div> <div style="border: 1px solid #ccc; padding: 2px; margin-top: 2px;"> String Integer Float Date </div>	<div style="background-color: #0070c0; color: white; padding: 5px 10px; border-radius: 3px; display: inline-block;">+ ADD</div>
Human readable label	Internal key		
<input type="checkbox"/> Required			

CONTINUE

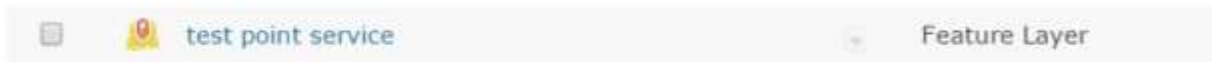
Click Continue to select a renderer. This is the initial symbology of the FeatureService.



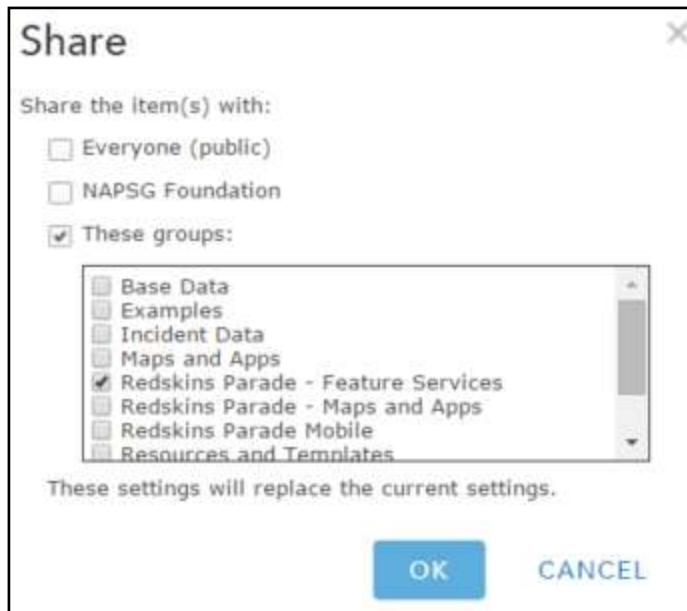
Click Continue to review, then publish the service.



Open your Organization and see that the service has been created in My Content.



Share the FeatureService.



Open the service to get services details.



The Details page shows the attributes for the service and the dropdown shows that attachments are enabled.

test point service

Feature Layer (Hosted) by jpedder_napsg
Source: Feature Service
Last Modified: July 30, 2015
(0 ratings, 0 views)
Facebook Twitter

OPEN SHARE EDIT DELETE PUBLISH MOVE CHANGE OWNER USAGE EXPORT

Description

Layers
test_point_service

Geek Alert

If you're NOT a geek, skip this section! To view the service detail, select the Service URL.

Layers

test_point_service

Export to Shapefile
Export to CSV file
Export to FGDB
Export to GeoJSON
Export to Feature Collection
Service URL
Disable Attachments

Properties

Shared with
Tags
Credits
Size 1 KB

ArcGIS REST Services Directory

[Home](#) > [services](#) > [test_point_service \(FeatureServer\)](#)

[JSON](#)

test_point_service (FeatureServer)

View In: [ArcGIS.com Map](#)

Service Description:

Has Versioned Data: false

Max Record Count: 2000

Supported query Formats: JSON

[All Layers and Tables](#)

Layers:

- [test_point_service](#) (0)

Description:

Copyright Text:

Spatial Reference: 4326

Initial Extent:

XMin: -138.375716991656
YMin: 7.46341595728864
XMax: -52.0671232416791
YMax: 59.8518013865865
Spatial Reference: 4326

Full Extent:

XMin: -138.375716991656
YMin: 7.46341595728864
XMax: -52.0671232416791
YMax: 59.8518013865865
Spatial Reference: 4326

Units: esriDecimalDegrees

Child Resources: [Uploads](#)

Supported Operations: [Query](#) [Apply Edits](#) [Create Replica](#)

Next, Open the service in a new map with editing enabled.



 Feature Layer (Hosted) by [jpedder_napsg](#)
 Source: Feature Service
 Last Modified: July 30, 2015
 ★★★★★ (0 ratings, 0 views)
[Facebook](#) [Twitter](#)

OPEN ▾


 SHARE


 EDIT


 DELETE


 PUBLISH


- Add layer to map
- Add layer to new map
- Add layer to new map with editing enabled
- Add layer to scene
- Open in ArcGIS for Desktop


 Details


 Add ▾


 Edit

 Basemap


 Analysis






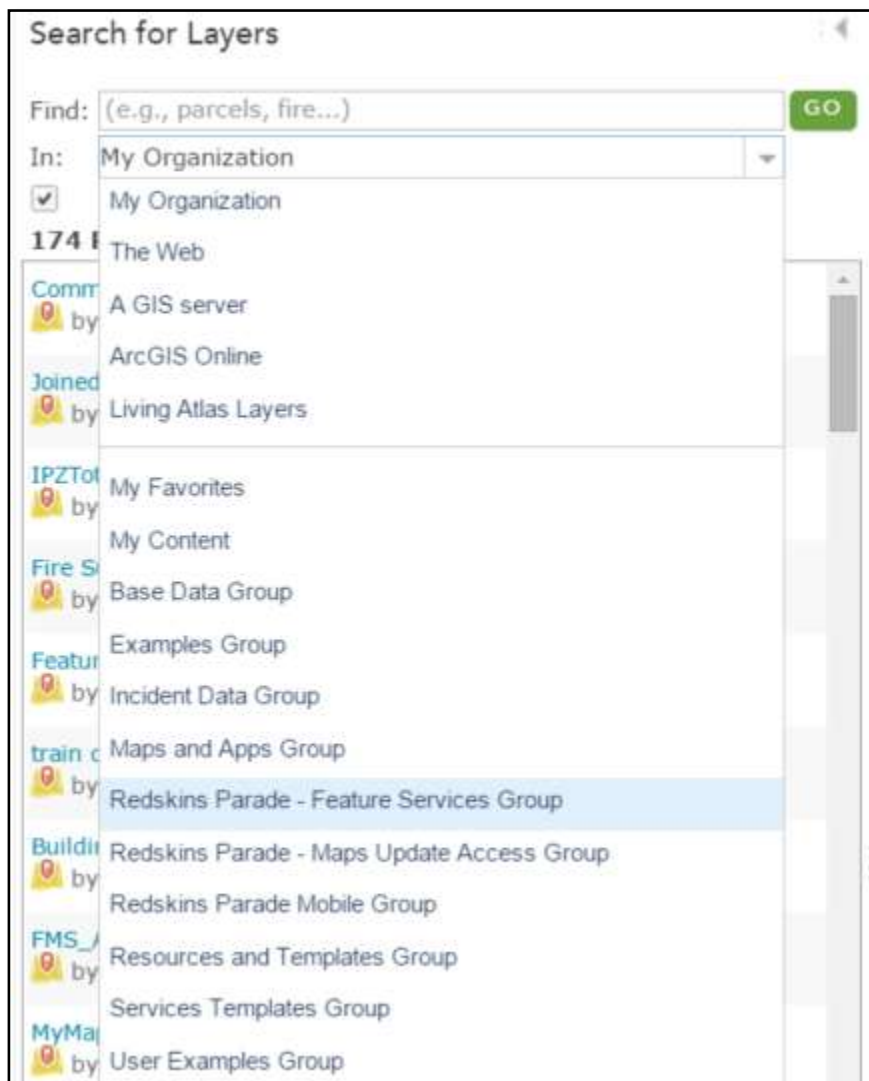
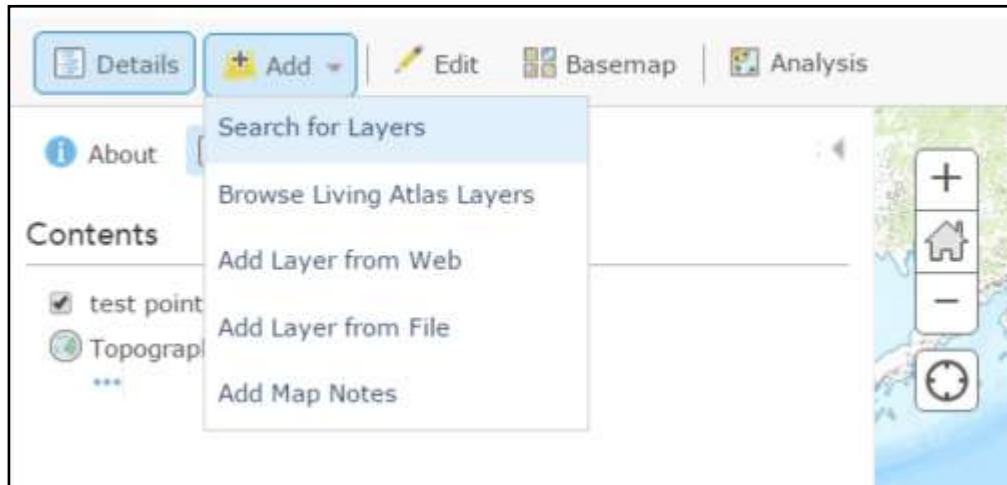


Contents

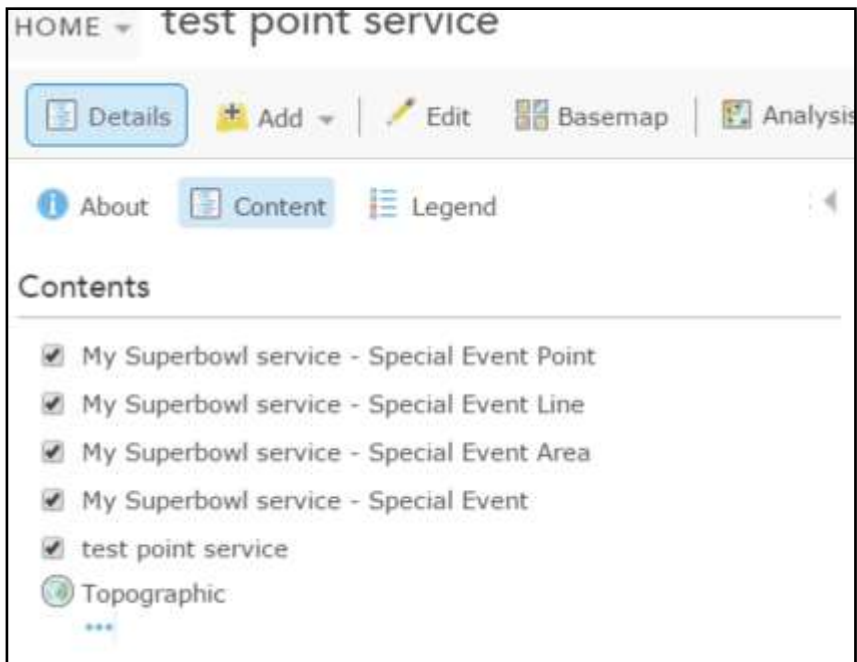
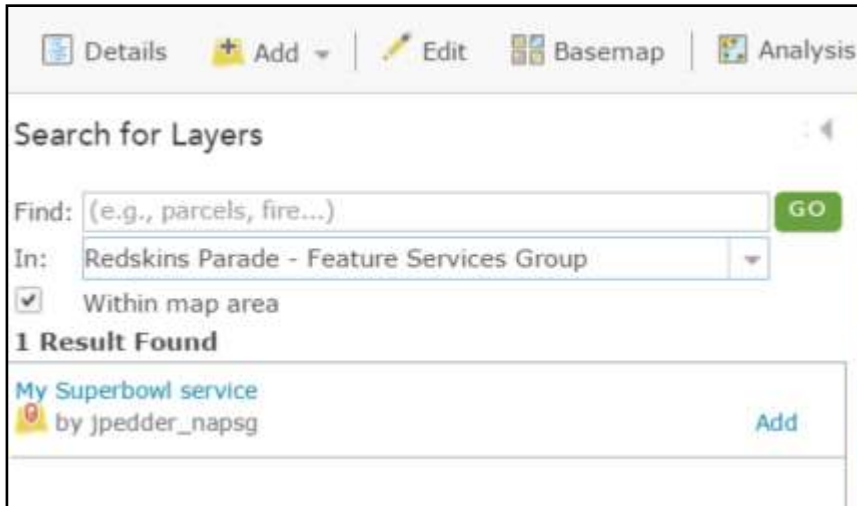
- Test Polygon Service
- 
- Topographic



Add Group 1's Course Information



Note: Check with Group 1 to see what the name of their service is. This is just an example.



Save your web map.

Save Map ✕

Title:

Tags:

Summary:

Save in folder:

SAVE MAP
CANCEL

Create a Basic Viewer App

Click SHARE and select the Redskins Maps and Apps group.

Share ✕

Choose who can view this map.

Your map is currently shared with these people.

- Everyone (public)
- NAPSG Foundation
- Members of these groups:

- Base Data
 - Examples
 - Incident Data
 - Maps and Apps
 - Redskins Parade - Feature Services
 - Redskins Parade - Maps and Apps
 - Redskins Parade Mobile

Link to this map

Facebook Twitter

Share current map extent

Embed this map

EMBED IN WEBSITE
CREATE A WEB APP

Note: To embed your map, you must share it with Everyone.

DONE









Click Create Web App.

Select the Basic Viewer Template and click Create.

Create a New Web App

Configurable Apps | **Web AppBuilder**

Select a template to create a new app. You can also preview to get an idea of its capabilities or download it to your computer and customize it further.

Basic Viewer  Create ▾ Create Download Preview  Create ▾	Compare Analysis  Create ▾ Filter  Create ▾	Directions  Create ▾ Find, Edit, and Filter  Create ▾	Edit  Create ▾ Finder  Create ▾
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1 2 3

Name your app (I like to include the word 'App' for easy identification).

Create a New Web App ✕

Specify a title, tags, and a summary for the new web app.

Title:

Tags: *Add tag(s)*

Summary:

Save in folder:

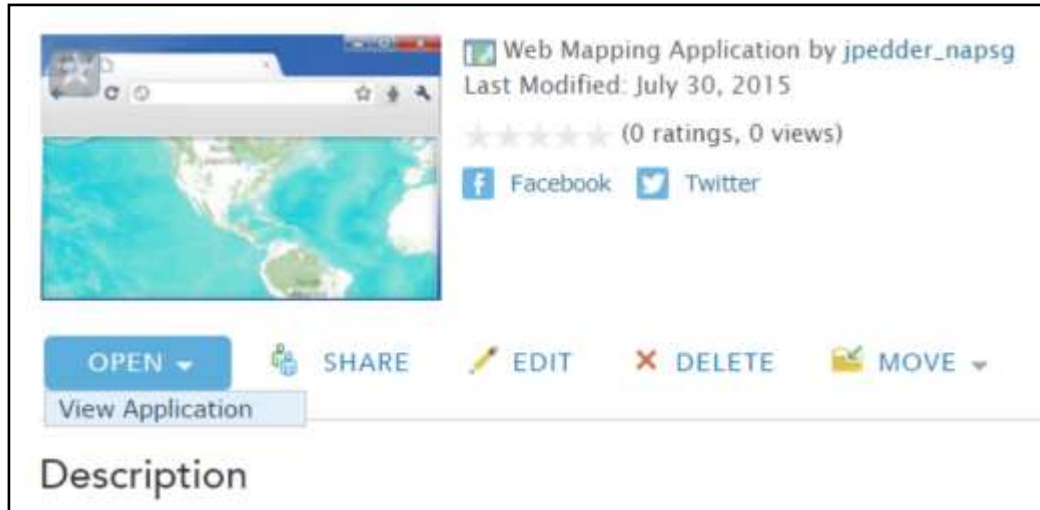
Share this app in the same way as the map (Redskins Parade - Maps and Apps)

BACK
DONE
CANCEL

Use the Builder interface to customize your app. When you're done, click Save then Done

SAVE
RESET
DONE

Open your app and see how it looks.



Build a GeoForm to collect data
 Open your web map and click **Share**.



Click Create a Web App, then select the GeoForm template.

Create a New Web App

Configurable Apps | **Web AppBuilder**

Select a template to create a new app. You can also preview to get an idea of its capabilities or download it to your computer and customize it further.

<p>GeoForm</p> <p>Create ▾</p>	<p>Impact Summary</p> <p>Create ▾</p>	<p>Information Lookup</p> <p>Create ▾</p>	<p>Legend</p> <p>Create ▾</p>
<p>Map Tools</p> <p>Create ▾</p>	<p>Public Information</p> <p>Create ▾</p>	<p>Simple Map Viewer</p> <p>Create ▾</p>	

1 2 3

Create a New Web App

Specify a title, tags, and a summary for the new web app.

Title:

Tags:

Summary:

Step through the builder experience to create your GeoForm app.

1. Start
2. Webmap
3. Layer
4. Details
5. Fields
6. Style
7. Viewer
8. Options
9. Preview
10. Publish

Getting Started

GeoForm is a configurable temporary application that allows users to enter data leveraging the power of the Web Map. Follow these steps to customize and deploy your GeoForm.

Next →

Select the incident layer that you created earlier to drive the GeoForm content.

1. Start
2. Webmap
3. Layer
4. Details
5. Fields
6. Style
7. Viewer
8. Options
9. Preview
10. Publish

Select Editable Layer(s)

This is the layer(s) that the GeoForm will be built from. The layer must be a feature service that is enabled for editing with sharing permissions appropriate for your audience. If all layers are selected, the form will allow a user to choose which form layer to submit to.

Layer

▼

← Previous
Preview
Next →

Open your GeoForm to test it out.

1. Select Form

Special Event Point

2. Enter Information

Event Number

Event Point Type (required)

Select...

Name

Location Description

Time Set Up

Time Taken Down

[Share the WebMap with the Mobile workgroup](#)

Click the web map details page. Click Share. Select the Mobile Group.

Share

Share the item(s) with:

Everyone (public)

NAPSG Foundation

These groups:

- Base Data
- Examples
- Incident Data
- Maps and Apps
- Redskins Parade - Feature Services
- Redskins Parade - Maps and Apps
- Redskins Parade Mobile
- Resources and Templates

These settings will replace the current settings.

Note: Verify you're a member of the Mobile Group

Click Groups.

If you don't see the Mobile group, then you're not currently a member. Click "[The organization's groups.](#)"



Select the mobile group and submit a request to join the group.

Collector

Download the Collector app for iOS or Android from the AppStore or GooglePlay and login as your Org user account. Then open the web map that you created earlier and shared to the mobile group.