Web Map Services

1. Training overview
2. Exercise one
3. Hosted vs. non-Hosted
4. Exercise two

Creating and Sharing Content Using ArcGIS Online
Esri Virtual Training Course

Chris Lett, Kenny Elsner, Greg Galligan
Web Mapping – Sharing Data, Maps, Apps
FWS Internal Map Portal - Intranet

[Diagram showing Web Mapping concepts]
ArcGIS Online
ArcGIS Online Content Types
ArcGIS Online Content Types

- Maps
- Layers
- Files
- Tools
- Apps
Hosted web layer types: feature layer

Name: Get Fit
Address:
City: San Diego
State: CA
Retail Type: Gym

Save
Hosted web layer types: tile layers
Basic Workflow

Data

Map

Application
Portal vs AGOL
Location and Login

https://maps.fws.doi.net
https://fws.maps.arcgis.com
Web GIS

Apps

Web Scenes
Web Maps

Layers

portal

Real-Time
Enterprise Data
Imagery
GIS Maps & Data
Distributed Data

Geoinformation Model
Switching between Portal and AGOL
In ArcMap Video
## Publish hosted web layers

<table>
<thead>
<tr>
<th>Image</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Publish hosted web layers" /></td>
<td>Publish hosted web layers</td>
</tr>
<tr>
<td><img src="image2.png" alt="Publish hosted feature layers" /></td>
<td>Publish hosted feature layers</td>
</tr>
<tr>
<td><img src="image3.png" alt="Publish hosted tile layers" /></td>
<td>Publish hosted tile layers</td>
</tr>
<tr>
<td><img src="image4.png" alt="Review addresses in your hosted feature layer" /></td>
<td>Review addresses in your hosted feature layer</td>
</tr>
<tr>
<td><img src="image5.png" alt="Create new empty hosted feature layers" /></td>
<td>Create new empty hosted feature layers</td>
</tr>
<tr>
<td><img src="image6.png" alt="Manage feature templates" /></td>
<td>Manage feature templates</td>
</tr>
</tbody>
</table>
Publish hosted web layers
Exercise 1

C:/student/

30 minutes
Hosted web layer types: feature layer
Hosted web layer types: tile layers
Video – Hosted Feature Services vs. non-hosted
Video – Creating a Hosted Feature Layer
FWS Video
Publish hosted tile layers
Caching

Draw this map service using tiles from a cache

Cache Settings

Tiling Scheme: ArcGIS Online / Bing Maps / Google Maps

Levels of Detail

Choose the minimum and maximum scales for this tiled map/image service. All levels between the minimum and maximum scale levels will be cached.

Minimum scale level
Level: 0
Scale: 1:591,657,527.591555

Maximum scale level
Level: 19
Scale: 1:1,128.497176

Estimated Cache Size: 109 MB

- Build cache automatically when the service is published
- Build cache manually after the service is published
Exercise 2&3

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30 minutes
Video – Creating Applications
FWS Video 8 Minute Video
For more information on ArcGIS Server and Portal Services

Watch the Esri and FWS Videos on Creating Services
FWS Portal Google Site

ArcGIS 10.3.1 for Server
Functionality Matrix Document
Questions?

GIS

What my friends think I do
What my mom thinks I do
What society thinks I do
What my clients think I do
What I think I do
What I really do