



U.S. Fish & Wildlife Service

Web Map Services

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

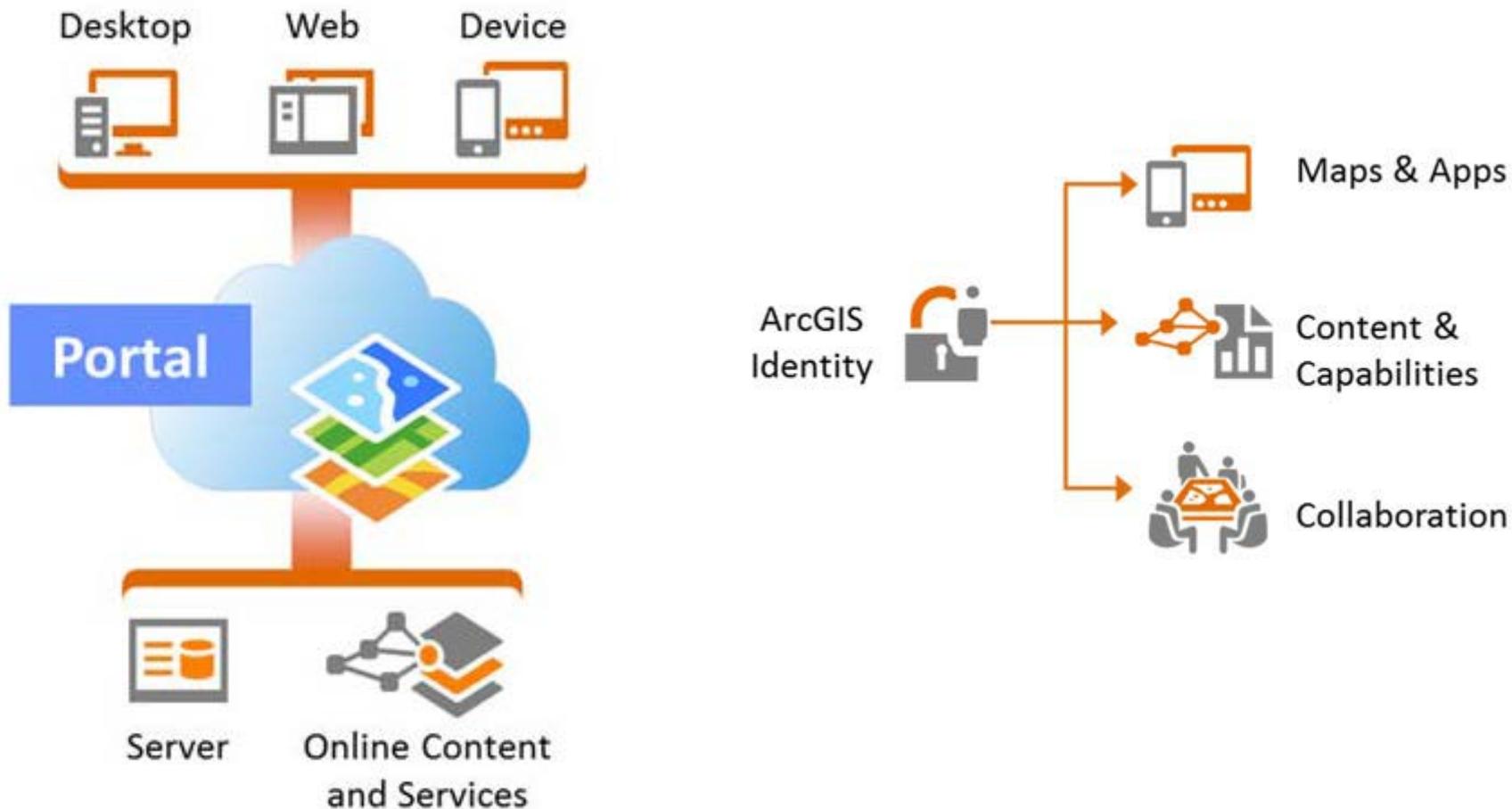
**Creating and Sharing Content Using ArcGIS Online
Esri Virtual Training Course**

Chris Lett, Kenny Elsner, Greg Galligan



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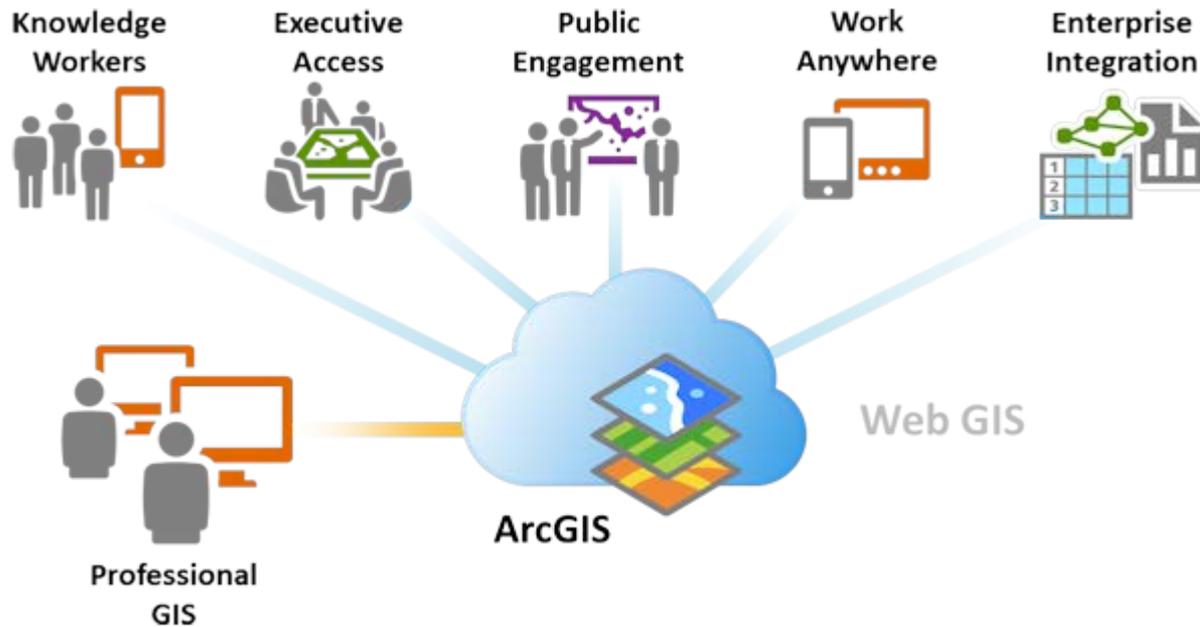
Web Mapping – Sharing Data, Maps, Apps FWS Internal Map Portal - Intranet





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ArcGIS Online





ArcGIS Online Publisher & credits





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ArcGIS Online Content Types

Maps



Layers



Files



Tools



Apps





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ArcGIS Online Content Types

Maps



Layers



Files



Tools

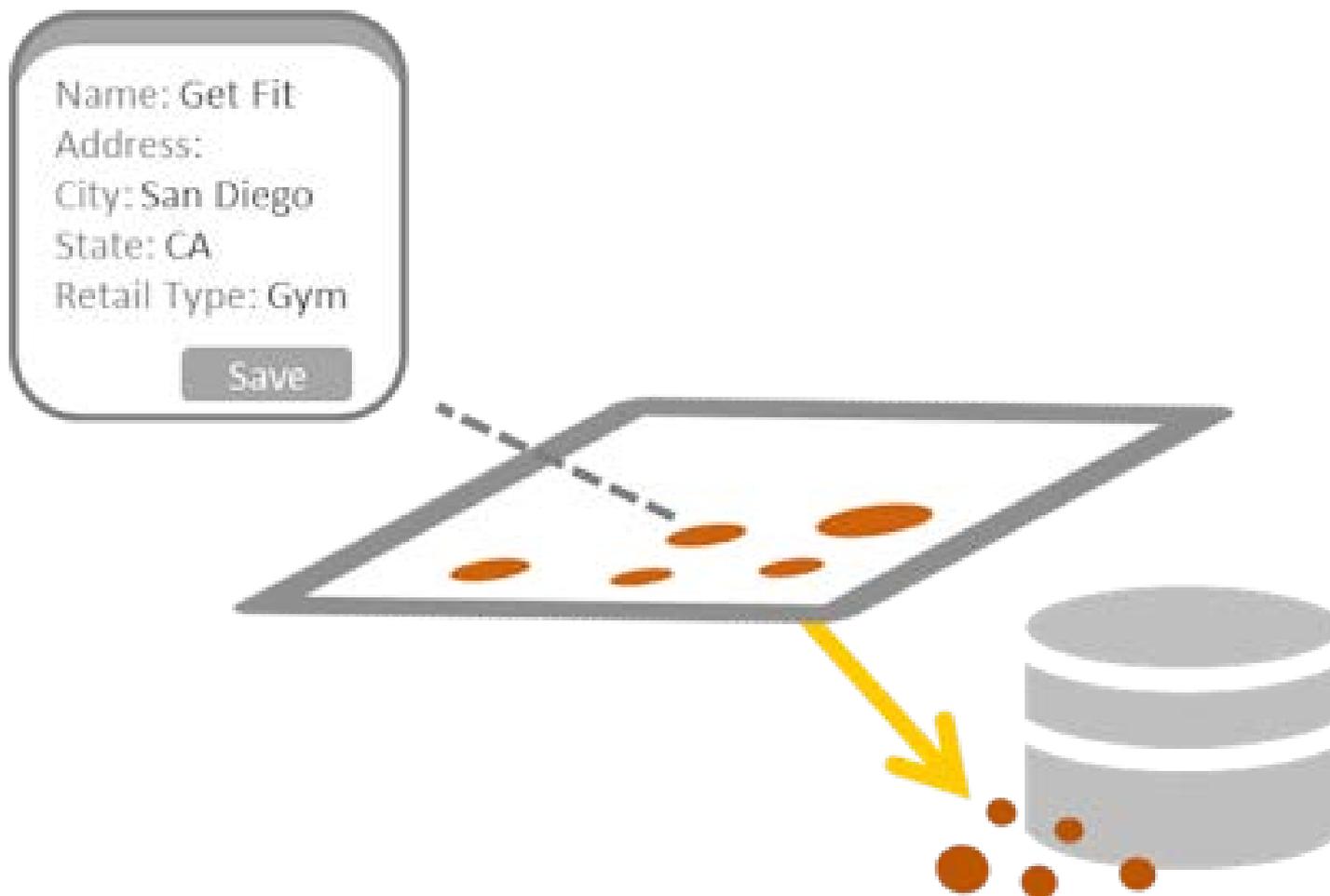


Apps





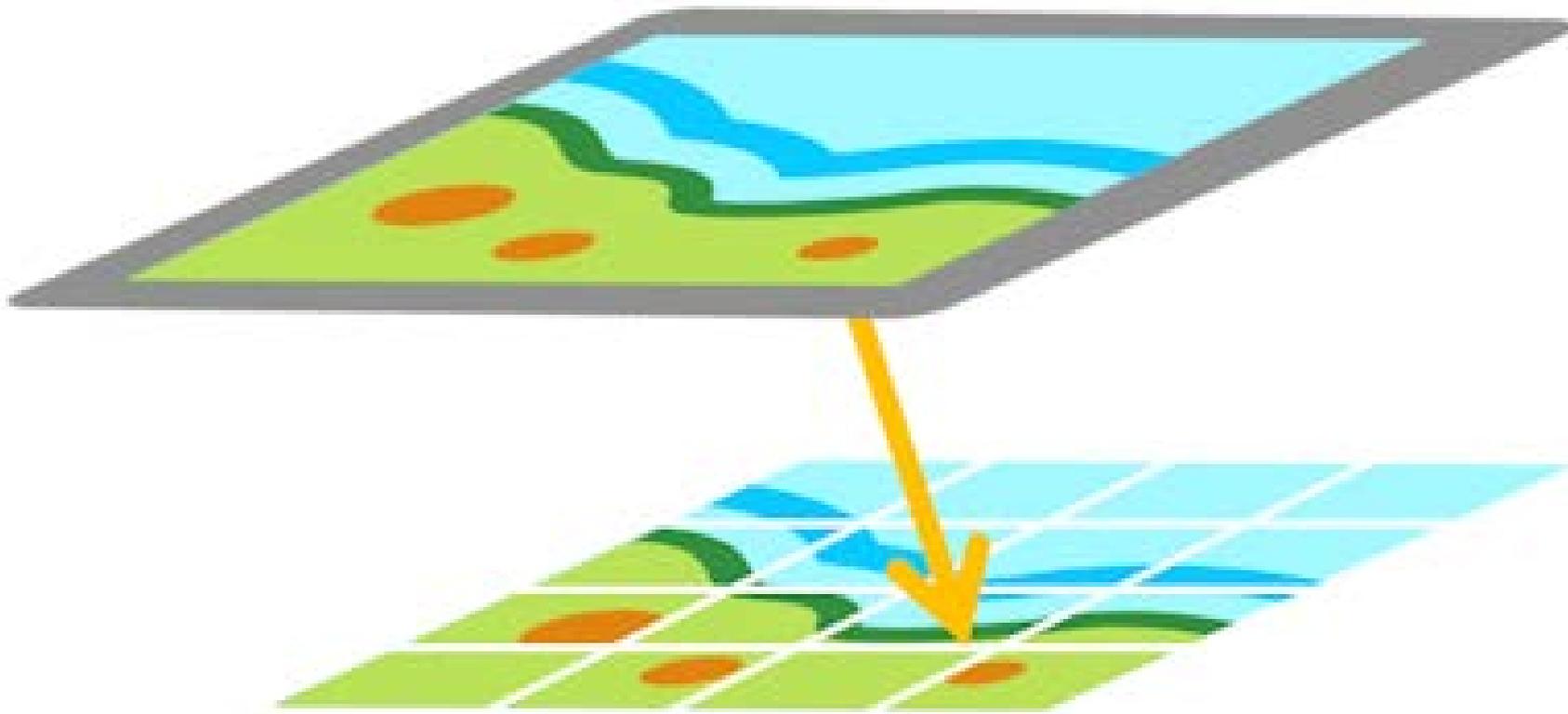
Hosted web layer types: feature layer





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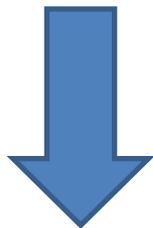
Hosted web layer types: tile layers



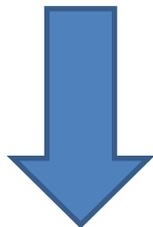


Basic Workflow

Data



Map

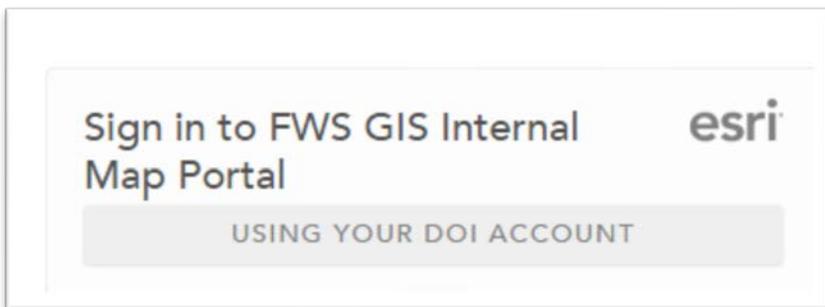


Application



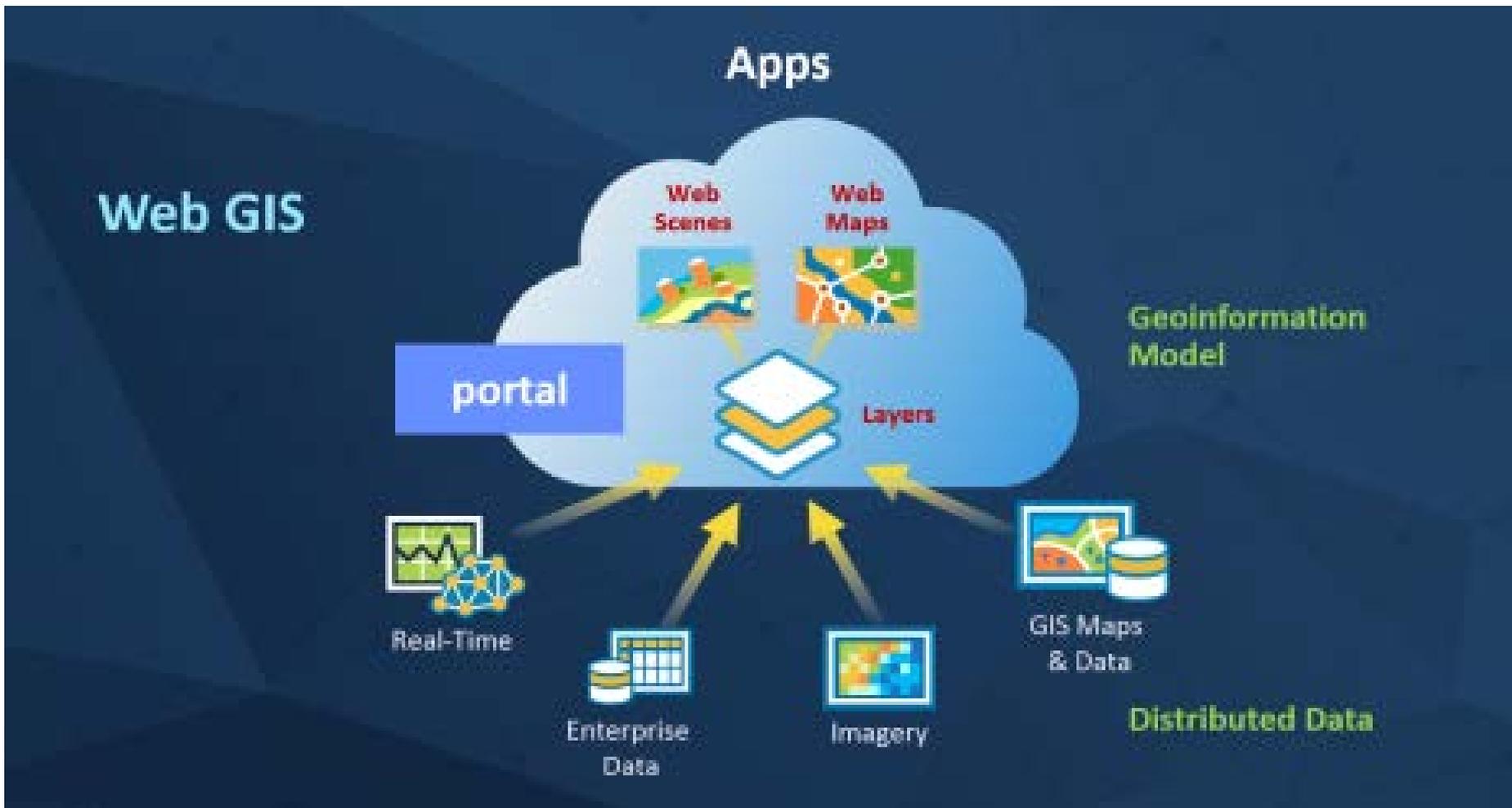
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Portal vs AGOL Location and Login



<https://maps.fws.doi.net>

<https://fws.maps.arcgis.com>





Switching between Portal and AGOL In ArcMap Video



Publish a Service



Choose a connection

Select an existing connection or create a new one



Select an existing connection or create a new one

My Hosted Services (FWS GIS Internal Map Portal)

arcgis on ifw9bct-gisprtl.fws.doi.net_6443 (publisher)

Service name

COBRA_test

< Back

Next >

Cancel



Publish a Service



Choose a connection

My Hosted Services (U.S. Fish & Wildlife Service)



Select an existing connection or create a new one

My Hosted Services (U.S. Fish & Wildlife Service)

arcgis on ifw9bct-gisprtl.fws.doi.net_6443 (publisher)

Service name

FWS_HQ_IRTM_Boundaries

< Back

Continue

Cancel



Publish hosted web layers



Publish hosted web layers [↗](#)



Publish hosted feature layers [↗](#)



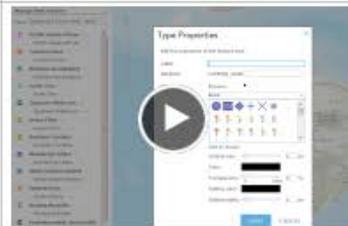
Publish hosted tile layers [↗](#)



Review addresses in your hosted feature layer [↗](#)



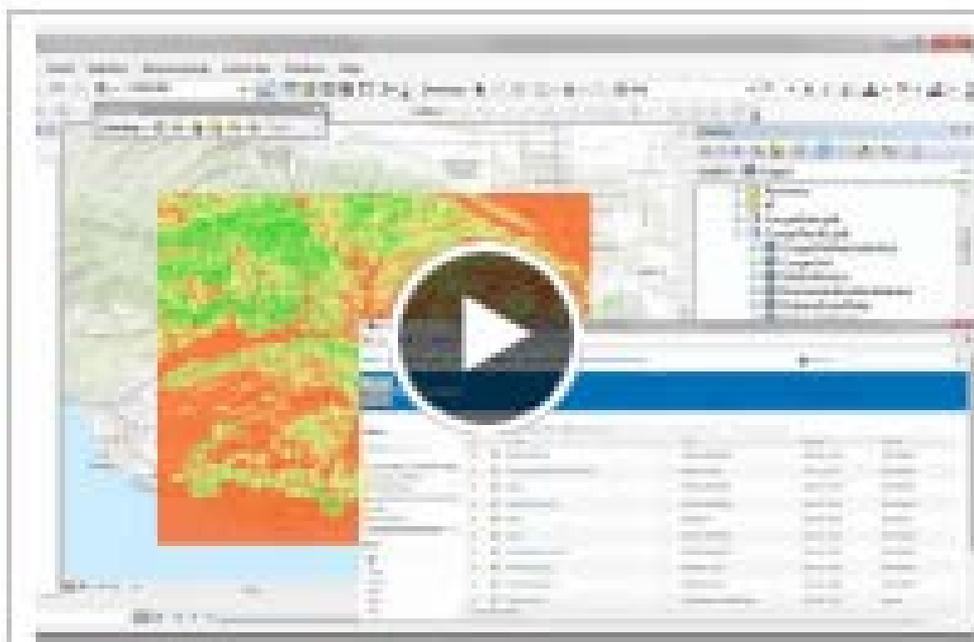
Create new empty hosted feature layers [↗](#)



Manage feature templates [↗](#)



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Publish hosted web layers 



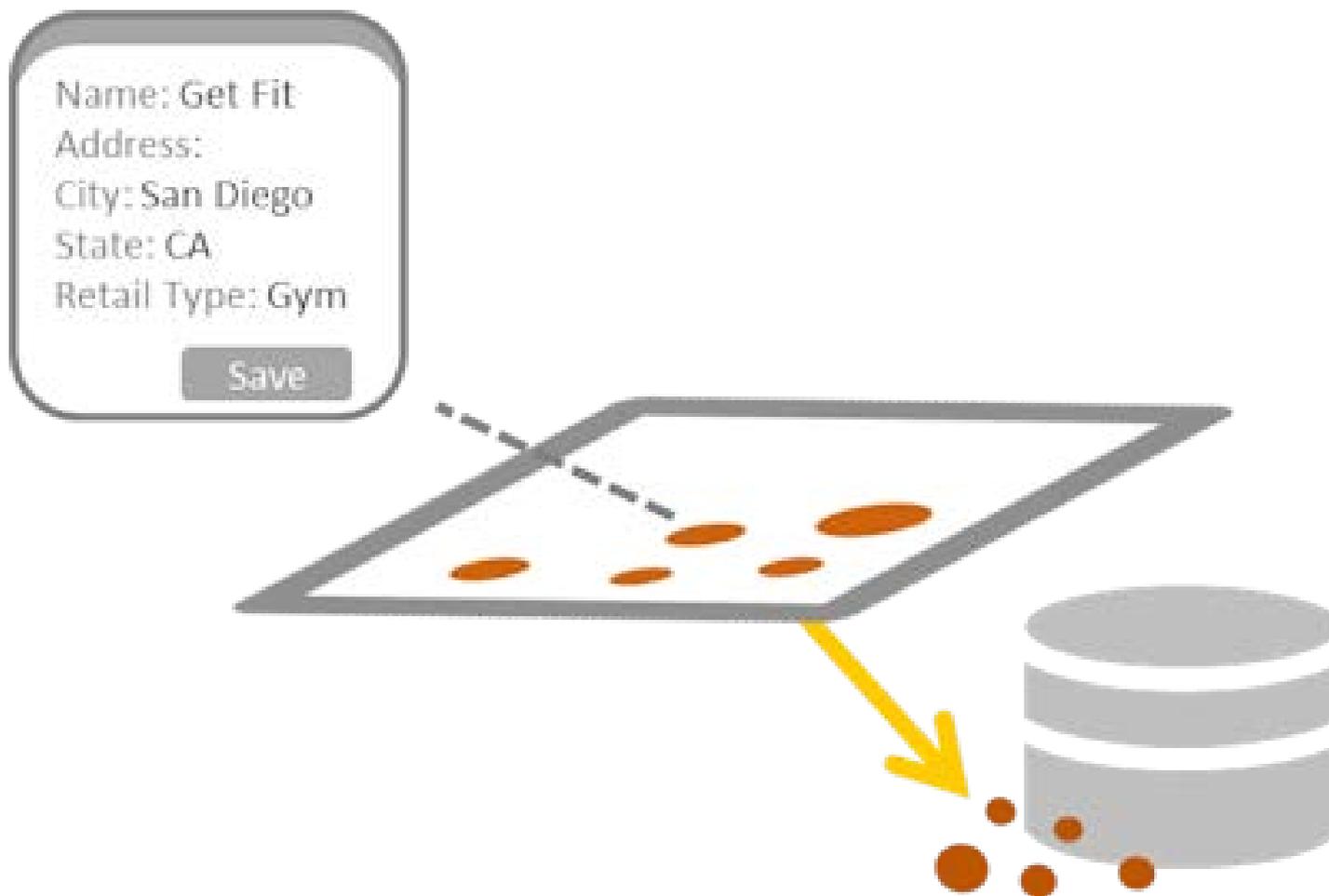
Exercise 1

C:/student/

30 minutes



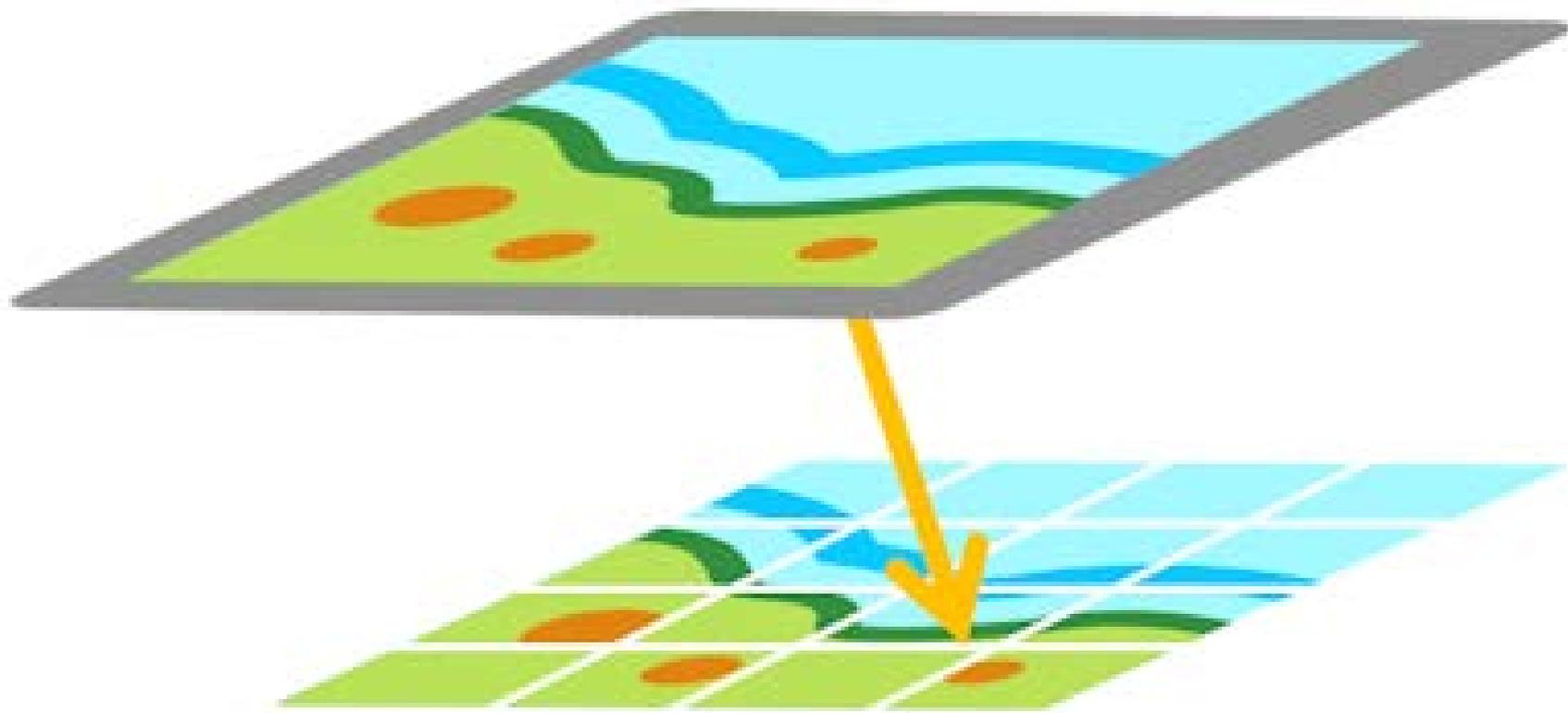
Hosted web layer types: feature layer





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Hosted web layer types: tile layers





Video – Hosted Feature Services vs. non-hosted

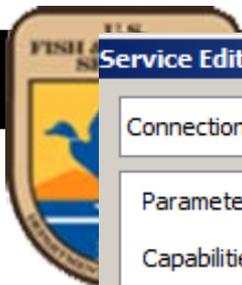


Video – Creating a Hosted Feature Layer FWS Video



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Connection: My Hosted Services Service Name: ConstructionSite

Import Analyze Preview Publish

- Parameters
- Capabilities
- Tiled Mapping
- Caching**
- Advanced Settings
- Item Description
- Sharing

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



World



Building

Estimated Cache Size: 109 MB

Calculate Cache Size

- Build cache automatically when the service is published
- Build cache manually after the service is published



Exercise 2&3

C:/student/

30 minutes



**Video – Creating Applications
FWS Video 8 Minute Video**



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**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**

<http://www.esri.com/library/brochures/pdfs/arcgis-server-functionality-matrix.pdf>



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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