



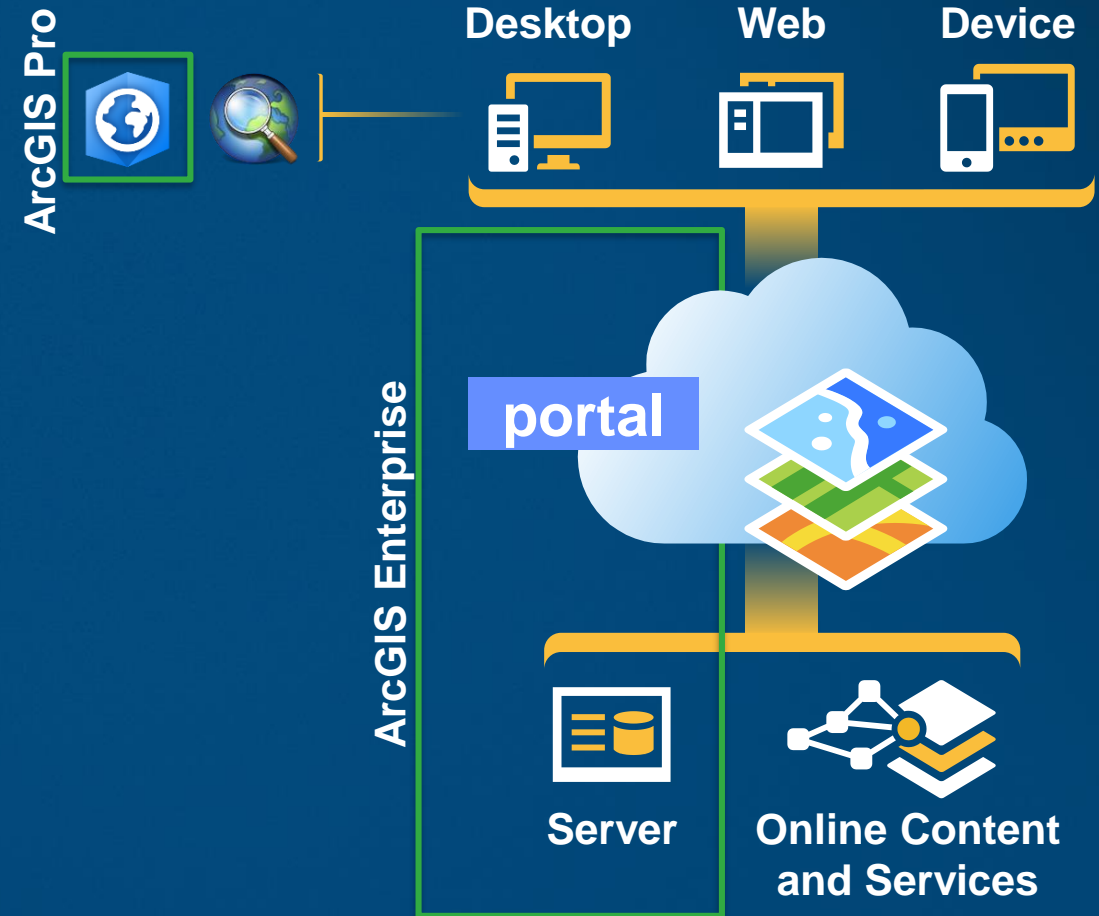
# ArcGIS Pro and ArcGIS Enterprise

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# Integration of ArcGIS Pro and ArcGIS Enterprise

- ArcGIS Pro as a Web GIS client
  - Sophisticated desktop functionality
  - Share and access maps, layers, and more
- ArcGIS Pro uses the settings of ArcGIS Enterprise when possible
  - Basemap gallery
  - Default elevation service
  - Default geocoding service
  - Utility services



# Tour ArcGIS Pro



# How web maps, layers, and services work together

- **Web map**
  - 2D (map) or 3D (scene)
  - Collection of web layers and mapping functionality
- **Web Layer**
  - Portal content item that exposes data
  - References a GIS service and can configure attribute popups, symbology, etc.
- **Service**
  - Exposes a URL for web clients to access GIS data
  - Data can be copied to the server or referenced from a shared location or enterprise geodatabase



# Web layers and services

Web Layer	Service
Map Image layer	Dynamic/Cached map service
Feature Layer	Feature service
Tile Layer*	Cached map service (hosted)
Vector Tile Layer*	Vector tile service
Scene Layer	Cached scene service
Image Layer	Dynamic image service
Elevation Layer	Cached image service

- **Reference registered data**
  - Registered data will be referenced, unregistered data will be copied
- **Copy all data\***
  - Both registered and unregistered data will be copied

# Demo: web layers



## Sharing web maps – one click configurations

Configuration	Description
Exploratory	Interactive map that supports querying <ul style="list-style-type: none"><li>• Reference – map image layers</li><li>• Copy – non-editable feature layers</li></ul>
Editing	Editable map <ul style="list-style-type: none"><li>• Reference – map image + feature layers</li><li>• Copy – editable feature layers</li></ul>
Visualization	Pre-generated tiles <ul style="list-style-type: none"><li>• Reference – cached map image layers</li><li>• Copy – tile layers</li></ul>

- Map layers unsupported by the primary web layer type will still be shared
  - EX: **Copy all data – editing** with raster data will share raster layers as web tile layers



# Sharing web maps

- Preset configurations make one click sharing of new web layers easy and accessible
- Map level settings, such as bookmarks, are automatically maintained
- For more control, new web layers can be split and configured individually or shared beforehand
- Existing web layers are referenced in the web map
  - Any modified settings are stored in the map; not at the web layer or service
  - Sharing settings will **NOT** be updated to match the web map



# Demo: web maps



# Sharing 3D Data

- GIS data is not siloed between 2D and 3D in ArcGIS Pro
- 3D layers and scenes are just as easy to share
- Supported 3D data types
  - Point layer
  - 3D object layer
  - Point cloud layer
  - Integrated mesh

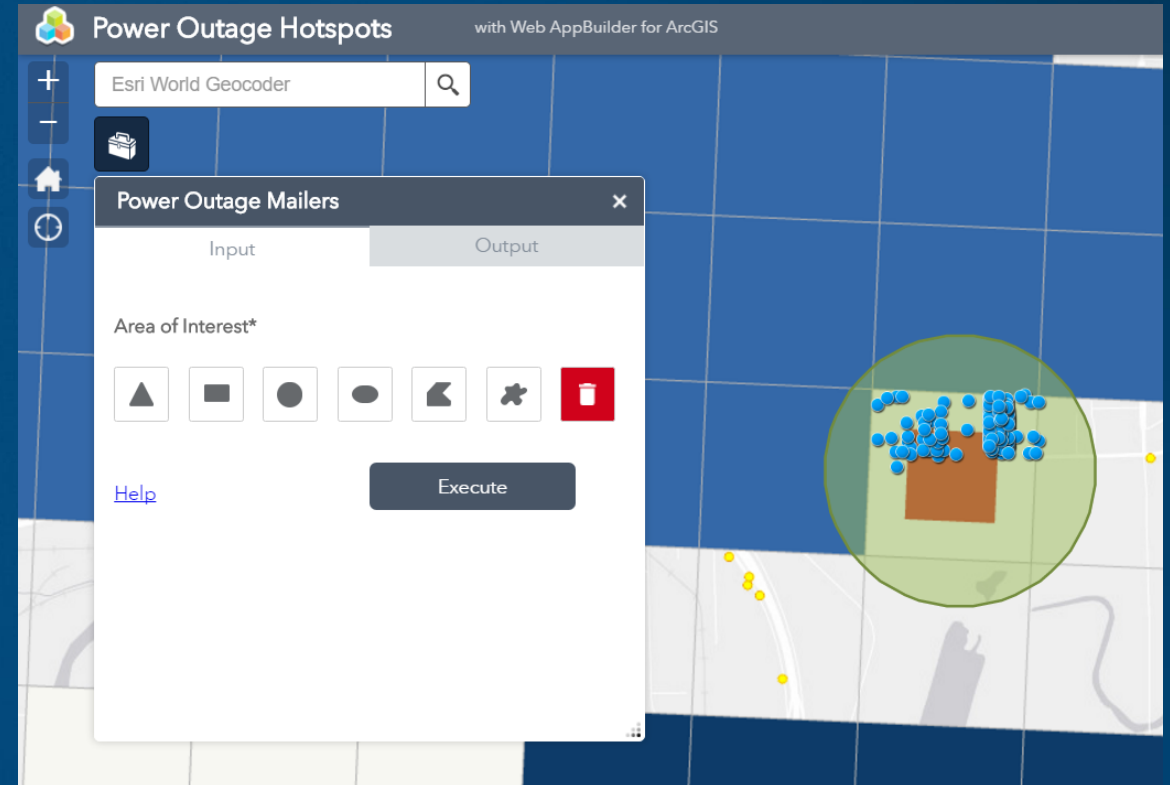


Point cloud layer shared to Portal for ArcGIS

# Demo: 3D Sharing

# Sharing web tools

- Portal item that exposes a geoprocessing service
- Can be used across the platform including ArcGIS Pro and through web clients such as web app builder
- Shared from the history item of a successfully ran GP tool



Web tool added to a web application



# Demo: web tools



# Sharing locators

- **Locators shared to your portal expose a geocoding service**
- **Can be set as the default geocoding service in your portal or imported into projects in Pro**
- **Feature Search**
  - **Feature layers that have feature search enabled will maintain this setting when shared in a web map**

# Demo: feature search





# Sharing

Making GIS accessible

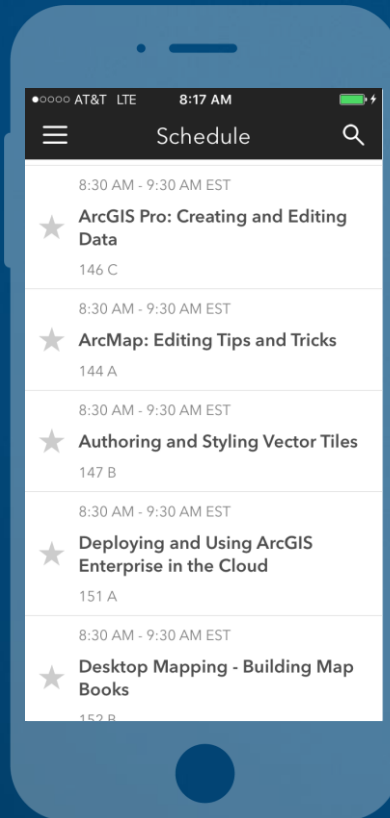


# Please Take Our Survey on the Esri Events App!

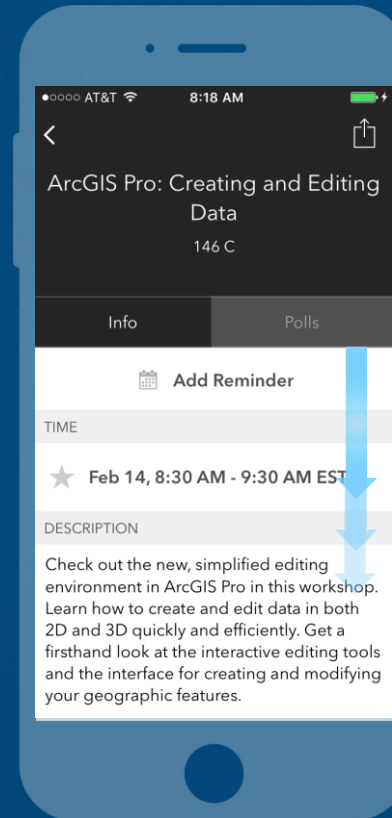
Download the Esri Events app and find your event



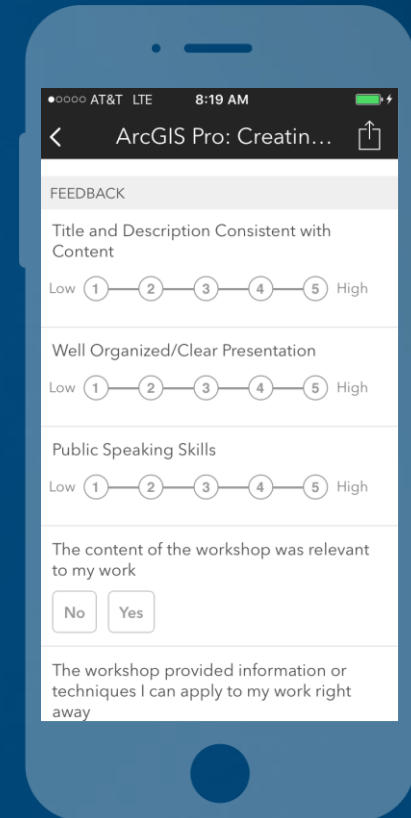
Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"



# Print Your Certificate of Attendance

Print stations located in the 140 Concourse

## Monday

12:30 PM — 6:30 PM

**GIS Solutions Expo,  
Hall B**

5:15 PM — 6:30 PM

**Expo Social,  
Hall B**

## Tuesday

10:45 AM — 5:15 PM

**GIS Solutions Expo,  
Hall B**

6:30 PM — 9:30 PM

**Networking Reception,  
Smithsonian National Air  
and Space Museum**



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