Configuring Geocoding for Portal for ArcGIS and ArcGIS Online

Christa Hash

Will Ibekwe

Outline

- Configuring locators in ArcGIS Online
- Configuring locators in Portal for ArcGIS

Why use your own locator?

- Use locators based on reference data that you created and maintained
- Control the capabilities of the locator, e.g. intersection, spatial offset
- Apply a specific geocoding fallback workflow
- Use services you host
- Use secured services

Requirements for Adding Locators to ArcGIS Online

- **Minimum Requirements**
  - Member of ArcGIS Online Organization with Administrator role
  - Locators or composite locators created using ArcGIS Pro or using ArcGIS 10.0 or later
  - Geocode services need to have been published on ArcGIS Server version 10.1 or later with public access such as Amazon Cloud
  - Secured services have to be added as proxy items stored with credentials
- **Suggestions (auto-complete) support**
  - Locators must have been created using ArcGIS Pro or in ArcGIS 10.3 or later
  - ArcGIS Server must be version 10.3 or later

Geocoding with ArcGIS Online

- **Geocoding with ArcGIS Online using the World Geocoding Service**
  - **Benefits:**
    - **Easy to set up**
    - **Simple to use**
    - **Basic organizational account gets you everything you need to geocode single addresses and tables of addresses (using credits)**
- **Geocoding with a custom geocode service published through your Organizational Account on ArcGIS Online**
  - **Benefits:**
    - **Can offer you more control over the locators you're using and the specificity of results**
    - **Can provide increased security for your service if you make the service secured**

DEMO

Geocoding with ArcGIS Enterprise

- **Geocoding with the World Geocoding Service through ArcGIS Enterprise**
  - **Benefits:**
    - **Provides the same fast and consistent results as geocoding against the World Geocoding Service using ArcGIS Online**
    - **Offers increased security for the data you're using for geocoding**
    - **Ensures that all stored data is behind the firewall**
- **Geocoding with a custom geocode service published to ArcGIS Enterprise**
  - **Benefits:**
    - **Provides you with completely secure data and geocoding that can only be accessed and used behind your firewall**
    - **Gives you complete control over the locators you're using, which can improve specificity of results for your individual use case**
    - **Eliminates need for credits, since you can host all data and services**

DEMO

Recap

- Discussed the benefits of creating your own custom locators to use as geocoding services
- Covered the requirements necessary to create and publish your own locators using ArcGIS Online or ArcGIS Server
- Evaluated the benefits of the different geocoding and publishing workflows
- Demonstrated the various publishing and geocoding workflows for ArcGIS Online and ArcGIS Enterprise using the World Geocoding Service and custom locators

Upcoming Geocoding Sessions

Today

- Geocoding: High Performance Batch Geocoding with ArcGIS
  - **1:30pm – 2:45pm in Room 30 E**

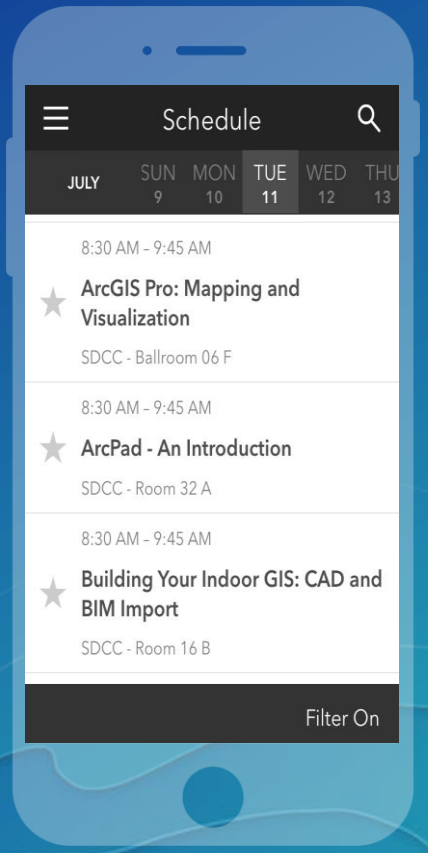
Tomorrow

- Configuring Geocoding for Portal for ArcGIS and ArcGIS Online
  - **10am – 10:30am Tech Theater 15**
- Geocode Like a Pro: Getting Started with Geocoding in ArcGIS Pro
  - **11:00am – 11:30am Tech Theater 15**
- Packaging Network and Geocoding Data for Navigator
  - **12pm – 12:30pm in Tech Theater 15**

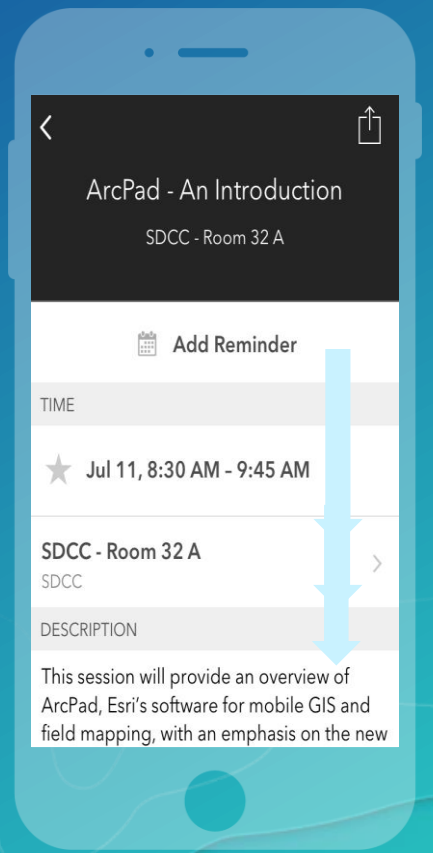
Please Take Our Survey on the **Esri Events App!**

Download the Esri Events app and find your event

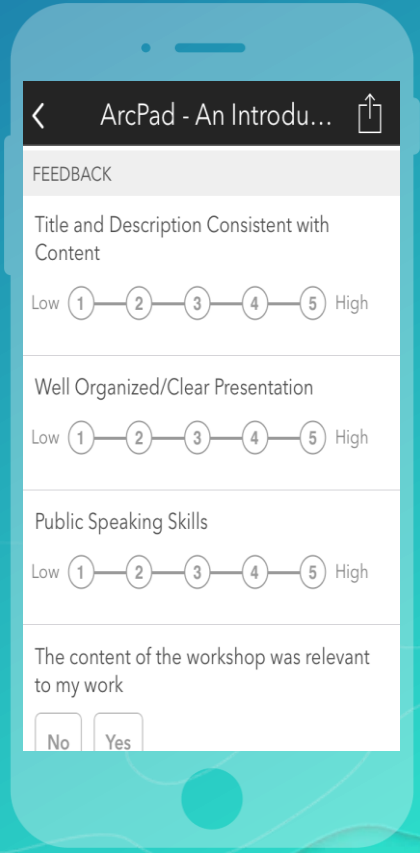
Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"



esri