Configuring Geocoding for Portal for ArcGIS and ArcGIS Online

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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
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
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
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