Configuring Locators in ArcGIS Enterprise and ArcGIS Online

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Outline

• Using ArcGIS Online vs. ArcGIS Enterprise
• Configuring locators for use in ArcGIS Online
• Sharing a locator to your portal using ArcGIS Pro
• Configuring locators for use in ArcGIS Enterprise
ArcGIS Online vs. ArcGIS Enterprise

• ArcGIS Online
  - Collaborative web GIS hosted online
  - Esri-hosted data and services are maintained and updated regularly
  - Organizational account includes access to the ArcGIS World Geocoding Service

• ArcGIS Enterprise
  - Web GIS hosted and managed on-premises with an option for a completely disconnected environment
  - User-hosted data and services are secure and behind the firewall
  - Administrators can allow access to data and services available on ArcGIS Online as needed
Why use the ArcGIS World Geocoding Service?

- Ready-to-use
  - No need to maintain your data or hardware
- Up-to-date and comprehensive data
- Latest capabilities and features
- Always available (SaaS)
Why use StreetMap Premium or World Geocoder for ArcGIS?

Hosted locators

• Meets privacy and security requirements
• Reliability and scalability
• Ready-to-use
  - No need to maintain your data or hardware
• Comprehensive data updated regularly
• Capabilities and features updated regularly
Why use a locator you build?

Hosted locators

- Meets privacy and security requirements
- Reliability and scalability
- 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
Geocoding using the World Geocoding Service in ArcGIS Online

• Benefits:
  - Ready-to-use service
  - Everything you need to geocode single addresses and tables of addresses

• Requirements
  - Requires an ArcGIS Online Organizational account with privileges for batch geocoding
  - Batch geocoding consumes credits
Geocoding with the World Geocoding Service in ArcGIS Online Demo
Geocoding with hosted locators using ArcGIS Online

• Requirements
  - Locators must be hosted on a public-facing server
  - Locator must be added as a utility service in the ArcGIS Online Organization

• 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 hosted locators in ArcGIS Online Demo

Add Locator

From URL

Locator Item: USA Restaurants

Locator URL: https://utility.arcgis.com/usersvcs/servers/a12b

Locator Name: USA Restaurants

Placeholder Text: Find address or place

- Allow geosearch
- Allow batch geocoding

OK Cancel
Geocoding with the World Geocoding Service in 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

• Requirements
  - Requires an ArcGIS Online Organizational account with privileges for batch geocoding
  - Batch geocoding consumes credits
To configure your portal to use utility services from ArcGIS Online:

1. Check the box corresponding to the ArcGIS Online utility services you wish to configure with your portal.
2. Enter the credentials for an ArcGIS Online organizational account that your portal will use to access those services.
3. Click Configure.

Note: Clicking configure will update your portal's utility service settings and save the configuration changes. Items corresponding to the selected ArcGIS Online utility services will be created in your My Content page and shared with all users in your organization. Using these services in the portal will consume credits from the specified ArcGIS Online account.

To remove an existing utility service and its corresponding items, uncheck the utility service checkbox and click Configure.

<table>
<thead>
<tr>
<th>Utility Service</th>
<th>ArcGIS Online Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elevation</td>
<td>Geocode</td>
</tr>
<tr>
<td>GasEnrichment</td>
<td>Hydrology</td>
</tr>
<tr>
<td>Network</td>
<td>Orthomapping Elevation</td>
</tr>
</tbody>
</table>

Enter the ArcGIS Online credentials your portal will use to access the new ArcGIS Online utility services which you have selected above.

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Username</td>
<td></td>
</tr>
<tr>
<td>Password</td>
<td></td>
</tr>
<tr>
<td>Folder</td>
<td>admin</td>
</tr>
</tbody>
</table>

Click Configure.
Requirements for sharing a locator

- Requires being connected to ArcGIS Enterprise 10.5 or later
- Requires publisher or admin privileges
- Increases publishing speed when using ArcGIS Data Store
Sharing Locators with ArcGIS Pro Demo
Geocoding with hosted locators in 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
Geocoding with hosted locators in ArcGIS Enterprise Demo
Recap

• Discussed the benefits of using the World Geocoding Service
• Discussed the benefits of creating your own custom locators to use as geocoding services
• Covered the technical requirements for creating and publishing your own locators for use in ArcGIS Online or ArcGIS Enterprise
• 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**
  - ArcGIS Online: World Geocoding
    - 4:00pm - 5:00pm in SDCC - Room 9

• **Wednesday**
  - StreetMap Premium: An Introduction
    - 10:00am - 10:45am in SDCC - Demo Theater 5
  - ArcGIS Online: Geocoding
    - 12:15pm - 1:00pm in SDCC - Demo Theater 7
  - ArcGIS Pro: Introduction to Geocoding
    - 4:00pm - 5:00pm in SDCC - Room 30B

• **Thursday**
  - Geocoding: What’s New and the Road Ahead
    - 2:30pm - 3:30pm in SDCC - Room 17A
  - Batch Geocoding with ArcGIS
    - 2:30pm - 3:30pm in SDCC - Room 30B
Please Take Our Survey on the App

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