ArcGIS Online: World Geocoding

Bruce Harold, Esri  bharold@esri.com
Nick Patel, Esri  npatel@esri.com
Agenda

- Introduction
- Benefits of Esri World Geocoding
- Overview of Esri’s World Geocoding products
- What’s New
- Demo
- Questions and Closing
Geocoding

Geosearch

Batch Geocoding

Reverse Geocoding
“Geocoding is a foundational step to understanding your data”
ArcGIS is a complete system for Geocoding and Geocoding is an essential capability of ArcGIS.
Desktop Geocoding

- Desktop is a client you can use to author and consume geocoding.

- Users can supplement what Esri provides using their own data.
Geocoding on Devices

- Esri Apps and Mobile SDKs support geosearch and reverse geocoding
- World Geocoding service is built in
- Also works with an organizations hosted geocoding services
- Works offline with packages that support locators
Web Geocoding

- ArcGIS Viewer for Portal
- Apps built from Web App Templates
- WebAPIs

- Support Geocoding

- Esri World Geocoding is built-in

- Also works with an Organizations Hosted Geocoding Services
Benefits
Esri Distributor

Esri Content

Community Content

Commercial Content

HERE, iPC, ...

BAG NL
BEV AT
G-NAF AU, ...
- 135 Countries @ Street Level
- Global Places and Points of Interest
- Single end-point
- Ready-to-Use
380 New York Street
Redlands, CA 92373
Ringstraße 7
85402 Kranzberg
Products
Esri-hosted Online World Geocoding

Address Geocoding for 80% of world wide population
Also includes Places and Points of Interest for the World

*It meets the needs of most organizations today*
What’s New
Enhanced World Geocoding Coverage
25 additional countries where street addresses can be located

Plus:
Australia (G-NAF)
New Zealand (LINZ)
China (English)

Now 135 Countries with Street Addresses
Enhanced Address and Place Matching
The Geocoding Algorithm is better at locating addresses and places

Algorithm is better at resolving poor quality addresses

Re: 30853 Loma Linda Rd (NA), Temecula, CA, 92592
10408 S 198th West Ave, Bill Jones, Sapulpa, OK

Suggestions match only valid house numbers as you type

Batch Geocode POIs

Esri New York St
Esri Vienna VA
Prospect Park Redlands
Marina Park San Diego
Enhanced Intersection Matching
Intersection geocoding finds more types of intersections

- Roads that are close to each other
- Roads that pass over but don’t intersect
- Roads entering roundabouts
Enhanced Reverse Geocoding
Results now include POI, Postal, Admin Areas as well as Countries – where the data is available

<table>
<thead>
<tr>
<th>Feature Type</th>
<th>Search Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Intersection</td>
<td>10 meters</td>
</tr>
<tr>
<td>Street Address (near)</td>
<td>7 meters</td>
</tr>
<tr>
<td>POI centroid</td>
<td>25 meters</td>
</tr>
<tr>
<td>Point Address</td>
<td>25 meters</td>
</tr>
<tr>
<td>Street Address (distant)</td>
<td>100 meters</td>
</tr>
<tr>
<td>POI area</td>
<td>within boundary</td>
</tr>
<tr>
<td>Postal or Locality area</td>
<td>within boundary</td>
</tr>
</tbody>
</table>

Developer API - more control over the features that are returned with the new featureTypes parameter
Enhanced Coordinate Geocoding
MGRS, USNG and DMS Geosearch is built in....

GeoSearch coordinates
MGRS: 07VEH3258214688

DMS: 147° 52' 23" E, 14° 21' 19" N
What's New Resources


World Geocoding Demo
Web and Desktop
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”**