Introduction to ArcGIS Online

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GIS Librarian
What is ArcGIS Online?

- A web-based collaborative platform hosted by Esri that allows users to create, manage, store, and share maps, apps, and data.
- [http://arcgis.com](http://arcgis.com)
Types of Accounts

- No account required to search and use public resources
- Public
  - Limited capabilities
- Subscription
  - Annual
  - All capabilities
  - Member of an organization

Comparison table
How Much Does it Cost to Use?

- Based on an annual subscription
  - University of Idaho has a subscription
- Several plans to choose
- Each plan includes a number of named users and service credits
How Much Does it Cost to Use?

- Service credits are the currency for ArcGIS Online (AGOL) and are used in exchange for any of the hosted services an subscriber uses.
- How you use AGOL determines the number of service credits you consume.
University of Idaho Subscription

- Part of the GIS Software Site License Agreement for Idaho Higher Education Institutions
- 600 users
- 12,500 service credits/year
Service Credits

- Charged at the end of the month at a rate figured as the overall average for the month

- Service credits overview
- Service credits estimator
Example:

- Univ. or Idaho has 12,500 credits
- Feature services storage
  - 2.4 credits per 10 MB stored per month
  - $\frac{12500}{2.4 \text{ credits/12 months}*10} = \sim 4 \text{ GB per month}$
- Tile and data storage
  - 1.2 credits per 1 GB stored per month
  - $\frac{12500}{1.2 \text{ credits/12 months}*1 \text{ GB}} = \sim 868 \text{ GB per month}$
Organization Roles

- Defines the privileges that a member has within the organization
  - User
  - Publisher
  - Administrator
  - Custom
## Organization Roles

### Role privileges

<table>
<thead>
<tr>
<th>Privilege</th>
<th>User</th>
<th>Publisher</th>
<th>Administrator</th>
<th>Custom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use maps and apps</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Create items</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Share maps and apps</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Join and create groups</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Edit features</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Publish hosted features and tiles</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Optional</td>
</tr>
<tr>
<td>Perform analysis</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Invite users to organization</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manage organization resources</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Configure website</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Create custom roles</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>View subscription stats</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ArcGIS Marketplace provider (requires organization authorization)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Roles and Service Credits

- For those who are in roles that permit the consumption of credits
  - Currently no administrative mechanism to prevent someone from consuming all credits
    - Use credits judiciously
    - Potential to setup local services
      - For example: Geocoding Service
Projects taking place at the UofI can purchase their own subscription

February 2015 quoted prices

- $250 annually: 50-user/12,500 credits [Level 2]
- $500 annually: 100-users/12,500 credits [Level 3]
- $1000 annually: 250-user/25,000 credits [Level 4]
Enterprise Logins

- Potential to use your University of Idaho NetID to login to ArcGIS Online
- UofI hasn’t enabled this yet
Members are added by inviting users to join

Contact Bruce Godfrey to be added

- Indicate desired role privileges
- You will receive an email notification
- You can create a new account or use existing one
Types of maps, layers, apps, tools, and files you can add

- Esri (.shp, .lyr, etc.), Microsoft (.doc, ppt, .vsd, etc.), .csv, .txt, KML, PDF, and others.
- Complete list
What You Can Do

- **Use maps**
  - View data, perform analysis, directions, measure, collect data

- **Create maps and apps**
  - Add map notes, annotations, provide a context of using data

- **Share and collaborate**
  - Create groups
  - Add members in/out of organization
  - Publish hosted map and feature services
Learning Resources

- **ArcGIS Online help**
  - Full documentation

- **Esri Virtual Campus Training Catalog**
  - Training seminars
  - Web courses
    - If not free, contact Bruce for course codes
  - Instructor-led courses

- **Tutorials**
  - Introductory topics

- **Videos**
  - Brief, guided instruction

- **Blog**
  - Announcements and latest updates

- **Forum**
  - Post/read questions

- **Technical support questions**
  - Email Bruce Godfrey
Demonstration

- **Tour**
  - Sign in [http://uidaho.maps.arcgis.com/]
  - Explore navigation
- **Create a group**
- **Create a map**
  - Add map notes
  - Drag-and-drop
- **Create an application**
- **Esri Maps for Office**
  - Excel
- **Publish service from ArcGIS Desktop**
Library geospatial resources and services web page

- Join the GeoTech Mailing List
  - Intended to facilitate communication on geospatial resources and technologies at the UI
Contact Information

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