What's new

The March 2019 update introduces new configurable apps, an improved sign-in experience, and enhancements throughout the site.

Mapping and visualization

Symbol sets have been updated in Map Viewer. The Emergency Management symbol set has been renamed to Public Safety and includes new symbols. This symbol set also replaces the Safety & Health symbol set, which has been retired. The Local Government and State Government symbol sets have been combined into a single Government symbol set, which also includes new symbols.

Sharing and collaboration

- Group owners and managers can now specify an item type, such as apps or maps, to display by default on the **Overview** and **Content** tabs of the group page.

- ArcGIS Online now returns relevant search results based on partial keyword matches to the item title. For example, if you type "bound", a list of items with "boundaries" in their titles are displayed.

- A new location filter helps you find items in your organization that are located in a specific place or region, or at specified latitude, longitude coordinates. Item owners must set the item's extent, or geographic boundaries, to take full advantage of this search filter.

- As an alternative to uploading an image, you can now create a custom thumbnail for your item by choosing a basemap and setting an extent and zoom level.

- When viewing content, you can now display more items (20, 60, or 100) per page, making it more efficient to manage a large number of items—for example, to delete or categorize items in bulk.

- Organizations participating in a distributed collaboration can now share hosted feature layer views as copies between ArcGIS Online and ArcGIS Enterprise 10.7 portals. Insights for ArcGIS items, such as workbooks, pages, and models, can be shared to ArcGIS Online from an ArcGIS Enterprise 10.7 portal using Insights 3.2.1 or later. When an organization receives collaborated content, a badge is displayed on the item page to indicate that the item was received from another portal.

Spatial analytics

- Generate Tessellations is a new tool that creates bins over a study area based on specified shape and size.

- The Elevation Analysis privilege is no longer required to run the Create Watersheds, Create Viewshed, or Trace Downstream tools. Therefore, these tools will not charge credits when run.

- The **Browse Layers** window has been updated to improve the experience of browsing to and adding analysis layers from within the tool pane. You can access the window by choosing **Browse Layers** from the drop-down menu of compatible tool parameters.

Data management

- A new job status is available when you rebuild a scene layer's cache. Depending on the complexity and size of your data, rebuilding the cache can take a long time. The job status helps you monitor progress and, if the process fails, it provides a link to log files to help you troubleshoot the problem.

- When you create a tile package in ArcGIS Pro 2.3 and later, you can specify a new file format—`.tpkx`. The `.tpkx` file format is an open specification that uses a simplified file structure, which allows developers to read from and write files to `.tpkx`. You can upload this new tile package format to ArcGIS Online and publish a tile layer.

- To display georeferenced photos on a map, upload a `.zip` file containing JPEG photos with geotags and publish a hosted feature layer.

- To help the people who use your hosted feature layers determine how to use, style, and edit the data in your feature layer, add descriptions and define the types of values that should be stored in each field. Map Viewer also uses what you set as the field value type to determine what styles are best to represent the data.

- A new Arcade Attachments() function can be used during field calculations to calculate values based on attachments and their properties. For example, a city planning department might use this function to identify the lots that still need images.

Accounts

- ArcGIS Online now has more rigorous password requirements for new and updated accounts. A new password strength meter helps users and administrators create secure passwords.

- The sign-in experience in ArcGIS Online has been updated and streamlined, making it easier to sign in.

- Ukrainian language and Ukraine region are now supported in the website.

Administration

You can now assign add-on licenses to members during the invitation process. When the member accepts the invitation to join the organization, they'll have immediate access to the apps and data you assigned. If your organization has set up enterprise logins, you can now add members automatically using their enterprise ID. When adding members, the more rigorous password requirements also apply to temporary passwords.

Living Atlas content

- Esri vector basemaps are now available in Czech, Finnish, Hebrew, and Swedish.

- The OpenStreetMap vector basemap, which is maintained and hosted by Esri, is no longer in beta. The OpenStreetMap basemap can be accessed as one of the standard basemaps in the basemap gallery for organizations that have enabled vector basemaps. Small areas can be exported for offline use.

- A new Community Maps Editor app (beta) is available. The app allows you to edit selected features in the Esri Community Map database and have them appear in Esri basemap updates. For more information, see Introducing Community Maps Editor.

- Demographic maps for the Netherlands, Switzerland, New Zealand, and several other countries in the Middle East and Latin America have been updated using the latest data from our providers. For more information, see What's new in Esri Demographics.

- For the latest information, see the Living Atlas blog articles.

Insights for ArcGIS

The March 2019 update of Insights for ArcGIS includes support for distributed collaboration, and a redesigned and enhanced home page that helps you work more quickly and efficiently. ArcGIS Online also has a new Insights Analyst user type that can

be used for members of your organization who only require access to Insights. For more information, see What's new in Insights.

ArcGIS Companion

ArcGIS Companion has added more features and improvements since the previous ArcGIS Online update. Highlights include sharing a group via social media or with a URL, enhancements to the Discover page, and more options for managing members. The workflow for adding a member or inviting them to join the organization now includes steps to assign add-on licenses and add the member to groups. If your organization has set up enterprise logins, administrators can invite a member to join using their enterprise login. The Organization page has a new option for administrators to add a member to multiple groups at once. For more information, see What's new in ArcGIS Companion.

App builders

App builders have been updated with the following enhancements:

- The ArcGIS Online update includes changes to configurable apps. Interactive Legend is a new app that allows you to create a focused view of a feature layer in the map by clicking the desired categories or ranges defined in the legend. This gives users the ability to explore the map holistically or to focus on the categories that are most relevant to them. The Category Gallery app is no longer in beta. It enables you to build a gallery of apps, maps, and layers, and provides an interactive experience to filter the content in the gallery. App authors can categorize group content into themes or topics and then expose them to users as a filtering option.

- The Operations Dashboard for ArcGIS update expands support for rich text when elements show No Data or No Value, and adds a new option for Category Selectors to unselect many items at once. Three additional languages are now supported: Ukrainian, Arabic, and Hebrew. For more information, see What's new in Operations Dashboard for ArcGIS.

- Web AppBuilder for ArcGIS now includes support for accessibility in some widgets and themes for 2D apps. With incremental releases, more widgets and themes will support accessibility. In addition, the new Network Trace widget enables you to use a geoprocessing service to trace a geometric network and interact with the results. When sharing a link or a URL to an app, you now can control which layers are visible with a new link option in the Share widget or with a new URL parameter, `showlayers`. For more information, see What's new in Web AppBuilder for ArcGIS.

- AppStudio for ArcGIS 3.3 Beta is available on the Early Adopter Community. The Apple App Store has announced that all new apps and app updates submitted to the App Store need to be built with XCode 10 or later starting in March 2019. In this beta release, the build environment of AppStudio has been upgraded to use XCode 10.1 to ensure that you can continue to upload your apps to the Apple App Store successfully. AppStudio now also supports Enterprise Mobile Management (EMM) software to read and overwrite some default settings for iOS and Android devices. This allows you to manage and secure your apps and data across mobile devices. For more information, see the AppStudio for ArcGIS 3.3 Beta release blog article.

Apps for the field

Apps for the field have been updated with several enhancements. The following are highlights:

- Collector for ArcGIS can now be used alongside another app in Split View and supports taking maps with the World Topographic basemap offline in on-demand map areas. A single-page field guide for mobile workers is also available. For more information, see What's new in Collector for ArcGIS.

- Explorer for ArcGIS is coming to Windows 10. Now in beta, Explorer for Windows allows you to access your maps from your Windows 10 device, online or offline. Search for and view your data (including attachments and related data), mark up the map, and get directed to your hard-to-see assets with the compass. Get Explorer for Windows.

- Survey123 for ArcGIS has had two incremental releases since the previous ArcGIS Online update. External GNSS receivers are now supported in the field app. The field app also includes a new point-to-point appearance type to enhance the Spike laser measurement solution, as well as a new symbol appearance type for geopoint questions to support custom markers. In the Survey123 website, the **Data** page provides the ability to edit responses to surveys, and the **Analyze** page displays original responses for text questions. The web designer has improved the way questions and choices are named, and adds support for authoring a multiple-page survey, a new date/time question, and creating and importing custom themes in the web designer. For more information, see What's new in Survey123 for ArcGIS.

Apps for the office

Some apps for the office have been updated. The following are highlights:

- ArcGIS Earth 1.9 is now available in Japanese, Polish, and Russian. In this release, new capabilities are added for KML and KMZ layers, including setting the refresh rate settings for the KML network link and displaying hyperlinks and snippets in the table of contents. This update also supports 3D navigation devices and adds the MrSID format for raster layers. In addition, numerous enhancements were made to improve the usability of the pop-up window, log-in process with PKI authentication, adding data, and rendering experiences, among others. For more information, see What's new in ArcGIS Earth.

- ArcGIS Maps for Office 5.0 is a major update that offers a completely redesigned user interface, improved workflows, and several new features. Add labels to map layers, view demographics related to features on the map, easily style and configure map layers, and many more enhancements. For more information, see What's new in ArcGIS Maps for Office.

- The latest ArcGIS Business Analyst Web App release brings a new set of starter infographic templates, improved dot density maps, the ability to use crime data and web layers in reports, new map marker symbols, top consumer segments for Canada, and much more. For more information, see the What's new in Business Analyst blog article.