

What's new

The June 2018 update includes a redesigned organization page, a new verification option for sharing your authoritative content with the public, offline map areas, and enhancements throughout the site.

Redesigned organization page

The [organization page](#) has been redesigned to help you administer your organization and find information. A new **Overview** tab highlights key information about the organization, such as subscription details, credit status, and messages about upcoming system maintenance. You can now [filter members](#) by role and level, and [disable and enable membership](#) for multiple members at once.

Public authoritative content

[Authoritative content](#) is easy to find and identify because it's filterable and boosted in search results. Organizations can now have their identities [verified](#) by Esri, which allows them to share authoritative content with the public. Public content that is designated as authoritative is identified by an authoritative badge and displays the name of the organization as the item owner. Esri has publicly shared more than 1,000 authoritative items from verified organizations.

Offline map areas

Map authors supporting offline field work can now [create map areas](#) from web maps. Using map areas makes it easier and faster to take maps offline. Map areas can be used in Collector for ArcGIS (Aurora Project beta) and ArcGIS Runtime SDK custom apps.

Mapping and visualization

- Map Viewer has two new smart mapping styles that allow you to visualize relationships between numeric attributes in your data. These [relationship styles](#) apply a combination of two distinct color ramps to the attribute data, allowing you to see where the attributes may be related. For example, you can see where obesity rates and diabetes rates are both high, and whether rates of physical inactivity are consistent with the pattern.
- The Emergency Management, Local Government, and State Government symbol sets in Map Viewer have been updated.
- Hosted feature layer performance has continued to improve. When visualizing large feature data in Map Viewer and most configurable apps, the size of the data delivered to your browser has been reduced, which means features display faster. [For example](#), when the data for a feature layer of USA ZIP Code polygons with six attributes is delivered to the browser, it's reduced in size by about 35 percent. The improved performance is due to [protocol buffers](#). Also used by vector tile layers, protocol buffer technology provides a simple and efficient method for delivering data.

3D GIS

- Add feature layers with hundreds of thousands of points while maintaining high performance in Scene Viewer. The features are dynamically loaded and displayed as you navigate your scene. Also, point scene layers display significantly more points and allow for much faster interaction.
- Create stunning city scenes with [edge rendering](#). Now you can choose solid edges to accentuate your building outlines or sketch edges to give your buildings a more hand-drawn look. You can also customize the size and color of the building edges for aesthetic purposes.

- Visualize and explore both global and local scenes underground. The new [ground transparency slider](#) allows you to see through the ground surface and reveal underground features such as seismic measurements or utilities infrastructure. You can also [navigate underground](#) in global scenes to better visualize and interact with the subsurface data. Furthermore, you can set a ground color when you [configure ground](#) and expose the color in your scene with the Basemap tool.
- Embed your scene with a custom [background color](#) that matches your site or blog style. When you choose a background color the sky and stars in your scene are removed and you can invent your own cartographic style.
- Discover all these new features on the go with your modern phones and tablets now [supported in Scene Viewer](#).
- For more information, see the [What's new in Scene Viewer](#) blog article.

Spatial analytics

- The number of features supported in the input layers for the [Find Nearest](#) tool has increased from 1,000 to 5,000. The increase allows you access to larger datasets. The number of supported output route layers remains at 1,000.
- When using the [Join Features](#) analysis tool for one-to-one attribute joins, you can now create results as hosted feature layer views.

Data management

- The feature layer template gallery now includes templates that allow you to build empty hosted feature layers and define the layer schema to meet your specifications rather than using a predefined schema. These new templates are in the **Build a layer** category in the template gallery. Choose a template to create a point, line, or polygon layer, and [add fields](#), [define lists or value ranges](#) for the fields, and configure [feature types and templates](#).
- To make it easier for feature layer owners to view and manage fields in the layer's attribute table and related tables, a new [Fields view](#) is available on the layer's item page. You can filter fields by data type, sort the fields list or change the order in which the fields are listed in the **Fields** view, and explore details for specific fields. Layer owners and organization administrators can also [add or delete fields](#) from hosted feature layers when viewing them from this page.
- You can guide editors to the correct values when they edit attributes in hosted feature layers by [defining a list of possible values](#). Editors choose the correct value from the list when they add a new feature or update the attribute, which helps avoid typos and incorrect values. For numeric attributes, you can [define a valid range of values](#). If an editor enters a value outside the range, ArcGIS Online notifies them that the value is outside the supported range.
- If your organization has metadata enabled, you can [add or edit layer-level metadata](#) from the hosted feature layer's item page.
- ArcGIS Online has improved how files are uploaded through your browser, significantly decreasing the time it takes to add or update files in your organization. Additionally, the 1 GB file upload size limit has been removed. You can now upload files up to 200 GB in size.

Administration

- ArcGIS Online now supports [enterprise logins to a SAML-based federation](#) of multiple organizations. This allows members of one organization to use their own SAML-based identity provider to access resources hosted by other organizations that are members of the federation.
- ArcGIS Enterprise organizations participating in a distributed collaboration with ArcGIS Online organizations can now [share web apps](#) through the collaboration.

Living Atlas content

- Esri vector basemaps are now available in Chinese, French, German, Japanese, Russian, and Spanish. Additional languages will be added in future updates.
- A new vector tile version of the OpenStreetMap basemap, published and hosted by Esri, is available ([beta](#)). The new OpenStreetMap vector basemap will be included in the Esri default vector basemaps group.
- Global Sentinel 2 imagery is now available as a set of image layers ([beta](#)). The image layers present multiple views of the multispectral imagery, at approximately 20m per pixel resolution. The image layers are updated daily with new scenes and include imagery collected over the past 14 months with rolling updates.
- The NAIP image services have been updated with NAIP 2017 imagery for several states in the United States.
- An archive of World Imagery tile layers is now available ([beta](#)). The archive includes multiple vintages of imagery tile layers from the past 5 years. You can select one of the tile layers for a specific vintage or create your own tile layer item for a vintage of your choice.
- The World Imagery basemap has been updated with the latest DigitalGlobe Basemap +Vivid imagery for the United States and several other countries, as well as the latest Basemap +Metro imagery for several cities around the world.
- World Imagery (Firefly) is now in general availability. It is no longer in beta.
- Demographic maps have been updated. Demographic maps for the United States now feature the latest 2018 current year estimates and 2023 5-year forecasts. Several other countries now use the latest Michael Bauer Research (MBR) demographic data.
- For the latest information, see the [Living Atlas blog articles](#).

Mobile app for your organization

It's even easier to access your organization from your mobile device. In addition to the continuously enhanced mobile browser option, you can now access your organization from [ArcGIS Companion](#), a new mobile app for iOS and Android. Access your organization anytime, anywhere to explore content, view groups, edit your profile, and more. Key administrative features are also available.

App builders

App builders have been updated with the following enhancements:

- AppStudio for ArcGIS 3.0 is a major release that has updated dependencies: ArcGIS Runtime 100.x only (ArcGIS Runtime 10.2.6 is no longer supported), Qt 5.10, Visual Studio 2017, and XCode 9. There are also now two versions of AppStudio Player present in app stores, with an archived version of Player 2.1 available, as well as the current version. The AppStudio tools have many improvements and fixes, and the template apps have new features, such as biometric authentication and support for offline use in the Map Tour template. For more information, see [What's new in AppStudio for ArcGIS](#).
- The ArcGIS Online update includes new and enhanced configurable apps. [Minimal Gallery](#) now allows you to filter the types of items you show in your gallery. 3D apps now have support for sharing premium and subscriber content publicly. [Media Map](#) now has a responsive, card-style legend. Two new apps are available to help interpret imagery: [Imagery Viewer](#) and [Image Mask](#). These apps have moved out of the Early Adopter Templates group and are now available in the Esri default app gallery.

- The Operations Dashboard for ArcGIS update introduces several new features. Dashboard authors now have more control over many dashboard-level settings. Dashboard interactivity has been improved through the introduction of two new actions: follow feature and show pop-up window. The value axis on serial charts now has a logarithmic scale option to better handle data that grows exponentially. Finally, you can now view dashboards on your smartphone. For more information, see [What's new in Operations Dashboard for ArcGIS](#).
- Several Story Map templates have received enhancements. Stories look and work better when embedded in websites and blogs; a new embed toolbar allows readers to easily share the story or open it in full-screen mode without leaving the current page. [Story Map Series](#) and [Story Map Cascade](#) have new features that improve accessibility. [Story Map Shortlist](#) can now be played automatically and has been moved out of beta. [Story Map Crowdsourcing](#) has been moved to mature support. For more information, see the [Story Maps blog articles](#).
- Multiple widgets have been improved in Web AppBuilder for ArcGIS. With Filter, you can now select multiple values for a field in a single expression, display features that match any of the filters in the app, and group filters by layer. Time Slider now allows you to set relative time span and intervals to animate live data such as showing the weather from the past five days in two-hour intervals. When you use Search to perform geocoding or feature search on point, line, and polygon layers, the widget now honors the zoom-scale parameter in the resulting search extent. With Edit, you can now edit many-to-many related records and control the capability to add or delete features. Additional enhancements include support for expanded grouped layers when the Layer List widget opens, measuring areas in 3D, and swiping multiple layers at a time. For more information, see [What's new in Web AppBuilder for ArcGIS](#).

Apps for the field

Apps for the field have made numerous enhancements since the previous ArcGIS Online update including the following:

- The beta release of Collector for ArcGIS has regular updates. Since the last ArcGIS Online update, beta updates have included support for storing z-values, recording and listening to audio attachments, capturing bar codes and QR codes, and working offline. For more information, see the [Collector Aurora Project beta program](#).
- Explorer for ArcGIS is now supported on Android. In addition, all platforms now support working with your imagery and other raster data offline. For more information, see [What's new in Explorer for ArcGIS](#).
- Survey123 for ArcGIS has had incremental releases since the previous ArcGIS Online update. A new single choice grid question type has been added to the web app. Additionally a new feature has been added to the website for version locking to enable better backward compatibility between the web app and your previously published surveys, along with many other fixes and improvements to both the field app and web app. 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:

- The latest update of ArcGIS Business Analyst Web App allows you to access 2018–2023 U.S. demographics; summarize nearby locations, such as restaurants that are within a specified distance from a proposed new sandwich shop; and use filtering to show locations that meet your criteria. For example, you can filter a crime layer based on crime type and time to understand patterns of where instances of arson occurred. In addition, you can compare sites with administrative geographies in a single click to see how key demographic facts for a site compare to the geographies where the site is located. Finally, use the new Tapestry Profile template to view infographics in a tapestry poster style. For more information, see [What's new in Business Analyst](#).

- ArcGIS Earth 1.7 takes advantage of ArcGIS Runtime SDK for .NET to provide improved performance and stability. Performance improvements include enhanced rendering for graphic layers, labels, and billboarded symbols; reduced memory consumption; improved UI responsiveness; and an improved 3D visualization experience. In addition, a new start-up experience for first-time users and the ability to identify metadata and attribute information and reload disconnected data in the table of contents have been added. For more information, see [What's new in ArcGIS Earth](#).
- ArcGIS Maps for Power BI now allows you to sign in with your ArcGIS Online named user account to receive all the benefits of Plus and access content from your organization to use as basemaps and reference layers in ArcGIS Maps for Power BI. You can now also purchase bulk Plus subscriptions to provide your organization's users with full access to Plus. For more information, see [What's new in ArcGIS Maps for Power BI](#).
- ArcGIS Maps for SharePoint 5.0 introduces a new ArcGIS Map Search feature that allows you to geotag your SharePoint documents to quickly locate them by clicking a feature on a map. This version also includes several improvements to the app configuration, exporting data, and improved geocoding capabilities. In addition, you now have access to private geocoders. For more information, see [What's new in ArcGIS Maps for SharePoint](#).

Language and region

- In English and Spanish, you can now set a regional preference to support your local [number and date format](#).
- Hungarian and Catalan [languages](#) are now supported in the website.
- Traditional Chinese is no longer available in the help.