

What's new

The December 2018 update introduces user types and includes enhancements throughout the site.

User types

[User types](#) replace member levels as a more flexible way to license ArcGIS Online capabilities and apps. User types allow organizations to allocate identity, privileges, and apps to better align with the needs of members. All members previously assigned Level 1 and Level 2 accounts now have Viewer and Creator user types respectively. For more information, see [Introducing user types](#).

User experience

ArcGIS Online has a new design that is more responsive on smaller screens. When using the web site search to find content, you now get a preview of results as you type keywords in the search box. You can also dismiss all your notifications in one click. For more information, see [A fresh new look](#).

Mapping and visualization

- You can now set a [refresh interval](#) on tables in web maps. This ensures that tabular information related to your map remains in sync with the latest data from the field while the map is being viewed.
- Attribute expressions now support referencing other layers in your map. When [configuring pop-ups](#) for a feature layer in your map, you can create [Arcade](#) expressions that reference other feature layers. You can also reference other layers when performing [field calculations](#) using Arcade.

Spatial analytics

- You can now apply point, line, and area barriers on streets when running the [Find Nearest](#), [Create Drive Time Areas](#), [Plan Routes](#), [Connect Origins to Destinations](#), and [Choose Best Facilities](#) tools. Examples of possible barriers include fallen trees, traffic accidents, parade routes, and floods.
- Esri has reduced the price of simple routing to 0.005 credits per route. For example, generating 10,000 routes now only costs 50 credits instead of 400 credits.

3D GIS

- You can now add hundreds of thousands of lines and polygons into Scene Viewer. Display and visualize large datasets such as streets, rivers, parcels, and country borders. This new line and polygon enhancement, combined with the support for large point datasets, now removes the feature count limit for adding layers in Scene Viewer.
- Display tens of thousands of points with 3D symbols such as realistic trees. With the new automatic level of detail, you can now display 3D models from the Esri-provided gallery while maintaining strong performance.
- Apply a [filter](#) to your feature or scene layers. You can now choose an attribute and select the features that appear in your scene. This new feature is available in the Layer Properties option for all geometry types, including point cloud layers.
- The new [building scene layer](#) allows you to explore BIM building data in Scene Viewer. Building scene layers published from ArcGIS Pro 2.3 allow you to display and hide exterior and interior structures such as roofs, walls, doors, and mechanical systems.

- [Slice](#) your scene content with a new interactive tool in Scene Viewer. You can reveal hidden data in building interiors or underground, zoom in, and dynamically interact with the measure tools.
- [Upload images](#) to use as icons with your point layers. You can now customize your scene with symbols in addition to the Scene Viewer gallery.
- The new redesigned UI for searching and [adding layers](#) in Scene Viewer allows you to filter and sort results; and search within Living Atlas, groups, or favorites.

Data management

- When you create a hosted feature layer view from a hosted feature layer that has attachments enabled, you can [hide attachments](#) for individual layers within the view. This allows you to provide view users with access to the feature data without exposing attachments.
- Three new [feature layer templates](#) support data collection and management of natural resources. Forestry professionals can catalog forest activities such as chemical applications and harvest activities with Forest Activity Tracking. Local dealers in the agricultural industry can use Member Properties to update client addresses and inventory property assets such as barns, irrigation systems, fencing, and storage facilities. Vineyard and winery staff can collect and manage vineyard data with Vineyard Management.

Living Atlas content

- Esri vector basemaps are supported in more languages. In addition to Chinese (Traditional), English, French, German, Japanese, Russian, and Spanish, the basemaps are now available in Arabic, Chinese (Simplified), Italian, Korean, Polish, and Portuguese (Brazilian).
- A new Oceans vector basemap ([beta](#)) is available. The basemap will be included soon in the Esri default vector basemaps group.
- The Wayback imagery archive has been expanded with additional imagery layers. There's now metadata for each of the releases so you can determine the acquisition date and other details for a given location. The archive is now in general availability. It is no longer in beta.
- The World Imagery map has been updated with the latest DigitalGlobe EarthWatch Vivid imagery for several countries, as well as the latest EarthWatch Metro imagery for a few hundred cities around the world.
- Demographic maps for Canada, Germany, and several other countries 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](#).

Administration

- The workflow for [adding members](#) to the organization now includes steps to assign [add-on licenses](#) and specify additional member settings such as profile visibility and start page.
- When searching for and [managing members](#) in your organization, you can now see and select several more members at once. The selected set of members is maintained while you search for and filter all the members in your organization, even across multiple pages. The redesigned members page also includes new options for managing add-on licenses and user types, either for a single member or for a selected set of members.

- The licenses page has been redesigned. Two tabs provide information about your organization's add-on licenses and user types, including compatibility tips that help you make decisions when [managing licenses](#). You can still see how many add-on licenses are assigned and available, and assign or unassign them as needed.
- A [new tutorial](#) is available. It demonstrates how to configure G Suite as your identity provider for enterprise logins.

Insights for ArcGIS

The December 2018 update of Insights for ArcGIS is a quality release to improve the performance of the software. There are also three new quick lessons you can use to [create your first workbook](#), [solve a spatial problem](#), and [share your analysis](#). For more information, see [What's new in Insights](#).

ArcGIS Companion

ArcGIS Companion has added more features and enhancements since the previous ArcGIS Online update. Highlights include searching groups inside and outside your organization, editing your group details (including tags and delete protection), and new sort and filter options for browsing content. The overall search experience has also been improved by combining the search for content, groups, and members into one. Your notifications in Companion now include group membership requests. Administrators can change assigned user types by editing member profiles. For more information, see [What's new in ArcGIS Companion](#).

App builders

App builders have been updated with the following enhancements:

- AppStudio for ArcGIS 3.2 is a major release with updated dependencies: ArcGIS Runtime 100.4 and Qt 5.11.2. AppStudio Desktop has a number of improvements for composing emails, as well as notification and vibration support for UWP apps. AppStudio Player now supports downloading and viewing public apps, even without signing in. Player also has a new onboarding page, and dark theme. The template apps have many new features, improvements, and fixes. The Map Tour has an improved workflow for downloading offline maps. The Quick Report template now supports MMPks created using ArcGIS Pro Publisher extension with anonymous use enabled. For more information, see [What's new in AppStudio for ArcGIS](#).
- The ArcGIS Online update includes changes to the configurable apps. [Compare](#) is a new app that supports side-by-side or stacked comparison of two maps or scenes. You can configure the app to compare two scenes, two maps, or one of each. The two views can be linked or unlinked, depending on whether you want to show the same location or not. [Layer Showcase](#), which allows you to display a collection of layers, is no longer in beta. The following apps are now in Mature Phase and have been removed from the Esri default app gallery: Compare Analysis, Compare Scenes, Map Carousel, Map Tools, and Simple Map Viewer. Existing apps created with these configurable templates will continue to work. For recommended alternatives and more information, see [Configurable apps announcement](#).
- The Operations Dashboard for ArcGIS update introduces new configuration options through URL parameters. Designed to trigger actions at runtime, URL parameters are useful where a dashboard has been embedded into another application. For more information, see [What's new in Operations Dashboard for ArcGIS](#).
- Web AppBuilder for ArcGIS has two new widgets and numerous improvements to existing widgets. The new Threat Analysis widget targets public safety personnel and first responders. The widget helps identify safe distances and zones for planning events. The new Visibility widget determines what is visible based on distance, observer's height, and a field of view. Directions now allows you to configure barriers from your map layers. For more information, see [What's new in Web AppBuilder for ArcGIS](#).

Apps for the field

- Collector for ArcGIS has released a new iOS app and updated the existing iOS app, renaming it Collector Classic. The new Collector app brings better-looking, more performant maps to your devices, complete with labels, vector basemaps, and rich symbology. Forms get Arcade expression support and easier camera access and data entry. The user experience is refreshed, and you can see the map and form at the same time on phones or use your tablet as a digital clipboard. Use a location target to place points, keeping your finger out of the way. If you work offline, take advantage of the preplanned map areas you can create when authoring maps, and automatically sync changes. You can even collect 3D data. For more information, see [What's new in Collector for ArcGIS](#).
- With the December 2018 update of ArcGIS Online, you can choose whether a map is available in Collector for ArcGIS (including the new Collector app and Collector Classic). If you don't want a map used in the app, you can hide it using a [new setting](#).

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 create dot density maps, use infographic templates across organizations and countries, edit site attributes and validation, categorize and browse your own data more easily, and much more. For more information, see [What's new in ArcGIS Business Analyst](#).
- ArcGIS Earth 1.8 introduces a variety of new features and enhancements and is available to download from the Microsoft Store. The highlights in this release are interactive 3D analysis including elevation profile, line-of-sight analysis, viewshed analysis, and 3D measure. In addition, this update includes new capabilities such as bookmarks, 3D explore mode for navigation, and supported new data types including web scene, web map, and portal item. Moreover, the alpha version of ArcGIS Earth Android is available for download from Early Adopter or Google Play. For more information, see [What's new in ArcGIS Earth](#).
- The latest release of ArcGIS Maps for Adobe Creative Cloud includes custom projections, sharing items back into ArcGIS Online, and the option to select items as favorites. Once you've created a map with the extension, save your map back into ArcGIS Online to share with your organization. Use the Favorites button when adding layers or web maps to organize content that you frequently use. You can also specify custom projection parameters for your compiled map. This release also introduces the ability to define an extent from a layer, a map, or a file saved on your computer. For more information, see [What's new in ArcGIS Maps for Adobe Creative Cloud](#).
- ArcGIS Maps for Power BI now includes a new Find Similar feature that lets you locate features with attributes comparable to those of other features selected on the map. The selection toolbar has been improved to show more of the map while you're working, and you can now geocode using SLA codes. For more information, see [What's new in ArcGIS Maps for Power BI](#).