

What's new

The April 2018 update introduces content categories and improvements throughout the site.

User experience

- Content categories are a new way to organize [group content](#) and [content across the organization](#) so others can quickly [discover](#) maps, scenes, apps, and layers.
- The organization gallery page has been redesigned with a new layout and options for searching, sorting, filtering, and displaying gallery items in different ways. Esri-curated content is available in a new Living Atlas tab on the content page.

Mapping & visualization

- Map Viewer has an improved user experience for adding layers to the map. When [searching for layers](#) and [browsing Living Atlas layers](#), you can view your search results in table view or list view, sort and filter the results to help you find what you need, and add results to your favorites list. In addition, the option to add layers from a GIS server has moved from **Search for Layers** to **Add Layer from Web**.
- When using the [Predominant Category](#) and [Predominant Category and Size](#) styles, you can now show up to 10 attributes. This enhancement allows you to do more comparisons with related numeric data such as income groups and education levels.
- When [styling layers](#) in Map Viewer, you can now choose to show or hide color, size, or transparency ramps in the legend using the **Show in legend** check box.
- The National Park Service symbol set in Map Viewer now includes the full set of the latest symbols. To see the complete symbol set, view a [PDF of the National Park Service map symbols](#).
- Map Viewer and several configurable apps have increased the number of features that you can visualize when viewing hosted feature layers. For more information, see [How can I visualize hosted feature layers with large amounts of data?](#)

3D GIS

- Scene Viewer is now supported on mobile devices. You can visualize 3D content on your modern phone or tablet directly in your browser without installing an app. See [Mobile requirements](#) for more information.
- Edge Rendering accentuates the outlines of your 3D buildings, including exterior walls, balconies, or roof structures. Furthermore, enabling the [Edges](#) option in your building scene layer increases the contrast and depth perception of your scene.
- The new **Measure area** tool lets you interactively [measure areas](#) in 3D scenes. Whether you are working at a city, regional, or global scale, you can calculate areas and perimeters for both horizontal and vertical surfaces, such as building walls and roofs, city parks and lakes, and even larger geographical features, such as watersheds and wildlife reserves.
- Scene Viewer improves stability by proactively monitoring and controlling memory use across layers depending on the [quality settings](#). Also, scene layers now use significantly less memory to display more data and continue to load while you navigate a scene.
- For more information, see the [What's new in Scene Viewer](#) blog article.

Spatial analytics

The [Dissolve Boundaries](#) tool now includes the **Create multipart features** parameter, which is used to allow or disallow features that are broken into noncontiguous parts. The state of Hawaii is an example of a multipart feature. It is a single state composed of several disconnected islands.

Insights for ArcGIS

The upcoming update to Insights includes the addition of regression analysis, scatter plot matrices, link charts, and link maps. For more information on the current release of Insights and to check for the new release, see [What's new with Insights](#).

Data collection & management

- When you [append data](#) to your hosted feature layers, you can use a Microsoft Excel or GeoJSON file as input.
- [Add a unique constraint](#) to attribute fields in individual layers in your hosted feature layer so you can use that field as a unique identifier. The unique constraint prevents editors or append operations from duplicating values in those fields.
- You can reuse [defined areas of interest](#) across different hosted feature layer views and other view layers in your map.
- Two additional file formats can now be [published from a cloud drive](#): GeoJSON files and `.zip` files containing shapefiles or file geodatabases.
- You can now [view layer-level metadata](#) for hosted feature layers from the layer's item page. The metadata is displayed in the style configured by the organization. Additionally, when exporting hosted feature layers as a file geodatabase, layer-level metadata is included in the feature classes in the exported file.
- A new Invasive Pest Monitoring [feature layer template](#) supports agricultural field inspections. Using the template, field workers can gather information to detect harmful plant pests and diseases.

Administration

- Organizations that enabled credit budgeting can now [allow members to see available credits](#) through their [profile](#) page.
- Administrators can now [view the synchronization status](#) in a distributed collaboration. For example, administrators can verify when the last scheduled synchronization occurred and whether or not the sync was successful.
- Custom roles include a new [administrative privilege](#) to configure content categories. To take advantage of the new privilege in existing custom roles, edit the role, add the new privilege, and save the role.

Living Atlas content

- The Living Atlas website uses new content categories to organize maps, scenes, layers, and apps. A new Living Atlas tab is available on the content page, and Living Atlas items are now marked with a special icon to identify this content in ArcGIS Online.
- The layers based on World Elevation data been updated with Airbus global 24 meter elevation data, with 4 meter vertical accuracy. You can access the updated data in the 2D elevation image layers, 3D elevation layer, and the World Hillshade tile layer.
- The World Imagery basemap has been updated with additional sets of DigitalGlobe imagery for several countries around the world. In addition, submeter resolution Basemap +Metro imagery has been published for a few hundred additional cities around the world.

- The Esri Vector Basemaps have been updated with the latest HERE data for North America and Europe, along with Community Maps updates for dozens of other communities around the world.
- The NAIP image services have been updated with NAIP 2017 imagery for several states in the United States.
- Demographic maps have been updated for several dozen countries using the latest Michael Bauer Research (MBR) demographic data.
- Detailed local boundaries, based on authoritative data from national government sources, have been published for several countries, including Austria, Canada, and Germany. These boundary layers can be used for visualization and analysis. Boundary layers have been updated for several dozen other countries using the latest MBR boundary data.
- For the latest information, see the [Living Atlas blog articles](#).

App builders

App builders have been updated with the following enhancements:

- The upcoming 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 of Player. 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](#).
- ArcGIS Online includes changes to configurable apps. [Map Styler](#) and [Media Map](#) now support publicly sharing maps with [subscriber content](#). [Maps and Apps Gallery](#) is now in [mature status](#). As an alternative, try [Minimal Gallery](#). For more information, see the [configurable apps blog articles](#).
- Several Story Maps have been enhanced. [Story Map Tour](#) has a fresh, new layout option with a cover page and more space for your photos. [Story Map Cascade](#) stories can be printed or exported to PDF, and you can edit maps without leaving the builder. [Story Map Series](#) builder includes the ability to create Story Actions. My Stories checks for and fixes web security issues related to HTTP links. For more information, see the [Story Maps blog articles](#).
- Web AppBuilder for ArcGIS has more widgets for 2D apps, including Data Aggregation ([beta](#)), Distance and Direction, Gridded Reference Graphic, and Emergency Response Guide. For 3D apps, the dashboard theme and Measurement and Share widgets are available now. Key enhancements have been made to Edit for related feature editing, Legend for choosing layers to show legends, Smart Editor for related table editing, and the statistic layer from the extra data source for a new option of filter by extent. For more information, see [What's new in Web AppBuilder for ArcGIS](#).
- Operations Dashboard for ArcGIS introduces several new features. You can now use serial charts and pie charts as the source of dashboard actions, and use the new embedded content element to embed documents, images, and videos into your dashboard. The map element now includes a scale bar and search feature, and you can specify new options for dashboards that contain subscriber content. For more information, see [What's new in Operations Dashboard for ArcGIS](#).

Apps for the field

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

- Collector for ArcGIS has updated since the last ArcGIS Online release. To use hosted tile layers in an offline map, you'll need to update Collector, as an ArcGIS Online security enhancement has changed how the app needs to access them. For more information, see [What's new in Collector for ArcGIS](#).

 **Beta:** In addition to the release, Collector is in beta with a next generation app that is approaching functional equivalency with the released app. [Join the beta now](#) to test your workflows and give feedback about the app's functionality (including support for labels, smart mapping, vector basemaps, and z-values).

- Explorer for ArcGIS has had updates on iOS to streamline the work you do in the app and to support taking imagery offline. Groups of maps help you find the maps you need, a magnifier and other enhancements help you get information about your assets, and you get better control of map navigation. When working offline, you can now take imagery (and other raster data) with you. For more information, see [What's new in Explorer for ArcGIS](#).
- Survey123 for ArcGIS has had two incremental releases since the previous ArcGIS Online update. Many improvements and fixes have been made to how questions display and behave in a survey. In particular, surveys opened in a web browser support a greater range of question types and appearances, closer matching the field app. Survey123 now also integrates with the Spike laser measurement solution developed by ikeGPS for iOS and Android, allowing your survey to use photos taken with Spike to extract values saved in the image. For more information, see [What's new in Survey123 for ArcGIS](#).
- Workforce for ArcGIS released an update improving the integration with other field apps and streamlining how workers are added to a project. You can configure your Workforce for ArcGIS project to open Explorer for ArcGIS with a specific map. GlobalID can be passed to Collector for ArcGIS or Survey123 for ArcGIS when opening those apps through Workforce for ArcGIS. In addition, project owners can add multiple users to a project using a CSV file. For more information, see [What's new in Workforce for ArcGIS](#).

Apps for the office

Some apps for the office have been updated. Here are some highlights:

- ArcGIS Business Analyst Web App has several enhancements including a new option for using competitive layers in Suitability Analysis, a more streamlined experience with ArcGIS Online for finding and adding ArcGIS content, and improvements for the Build Infographics and New Comparison Reports workflows. For more information, see [What's new in ArcGIS Business Analyst Web App](#).
- The ArcGIS Maps for Adobe Creative Cloud update provides an improved user experience when using the Mapboards window, including upgraded editing features. This release also introduces new features, including an imperial units-based scale bar, the ability to add KML files, and better support for Adobe applications running in non-English environments. For more information, see [What's new in ArcGIS Maps for Adobe Creative Cloud](#).
- The upcoming update to GeoPlanner for ArcGIS includes improved analysis when using the Suitability Modeler widget, better management when using indicators, and expanded use cases for summary charts. At this update, the Suitability Modeler widget in Web AppBuilder for ArcGIS includes the summary chart. The widget allows you to summarize model scores in a dashboard using selected features and graphics. This will help you make analysis more accessible for your users. You can also use layers with simple, unique value, classified, and visual variable symbology in the summary chart. This enables you to use the output of Create Travel Times, Aggregate Points, Calculate Density, Find Hot Spots, and so on in the summary chart directly. You can also view an attribute table for design and operational layers so you can sort and get statistics on fields to help you rank features and edit attribute values of design features. For more information, see [What's new in GeoPlanner](#).