

What's new

The February 2023 update includes spatial analysis tools in Map Viewer and other enhancements and new functionality throughout the ArcGIS Online website. Highlights are provided below. For more information, see the [What's new in ArcGIS Online](#) blog article.

New analysis experience

[Spatial analysis tools](#) allow you to quantify patterns and relationships in your data. Most of the feature and raster analysis tools you've been using in Map Viewer Classic are now available in Map Viewer. In addition, two new tools, [Derive Continuous Flow](#) and [Surface Parameters](#), are available for raster analysis.

You can browse or search for specific tools, estimate credit usage based on the parameters you enter, and access [a history](#) showing which tools have been run, their results, the parameters used, and any errors or warnings. When you save your map, the tool history is saved with it, allowing others to view job details and reopen tool parameters when you share the map with them.

Mapping

- You can now upload [.gif](#), [.jpg](#), and [.png](#) images to use as symbols when [styling your layer](#) or [creating a sketch](#) in Map Viewer.
- When [styling a feature layer by type](#) using unique symbols in Map Viewer, you can create groups to add detail and context to the map legend. For example, if your map shows crimes by type—arson, assault, theft, burglary, and so on—you can organize these into groups, such as violent crimes and nonviolent crimes, and have the groups reflected in the legend.
- Map Viewer provides a new way to control the [feature display order](#) of overlapping features in layers with [Types \(unique symbols\)](#) or [Predominant category](#) styling applied. When you manually change the order of types in the list, you can now display overlapping features based on this order, with features in types that are higher in the list drawn on top of features in types that are lower in the list.
- You can now add one or more images to your map in Map Viewer by [creating media layers](#). When you create a media layer, you place and position an image in a desired geographic location on top of the map's basemap. For example, you might want to visualize how a town has changed over time by switching between scanned images of historical maps and a current digital web map of the town.
- The [Search tool](#) in Map Viewer is now located on the map and can also be accessed using a keyboard shortcut—[Alt+F](#) on Microsoft Windows or [Option+F](#) on Mac.

3D visualization

- You can now snap to features while [measuring in Scene Viewer](#).
- [Voxel layers](#) support pop-ups, and you can use the slice tool to explore your voxel data further.
- Scene Viewer allows you to append [custom request parameters](#) for supported layers.
- Terrain is improved with enhanced shading and higher resolution for elevation.

For more information, see the [What's new in Scene Viewer](#) blog article.

Sharing and collaboration

A redesigned gallery page provides a quick view of an item's details, helping you find specific items without leaving the gallery. Once you identify the appropriate item, you can easily [open the full item page](#) to get more information.

App configuration

- ArcGIS Experience Builder includes several updates. The new Add Data widget allows users to add data sources to an app at run time. Other enhancements include support for histogram charts, the 3D Slice tool, and a new message action that automatically generates an elevation profile for a selected line feature. For more information, see [What's new in Experience Builder](#).
- ArcGIS Instant Apps includes several updates. The new Insets template displays noncontiguous geographic areas of interest within a single app, using custom inset locations or a predefined layout available for several countries. Interactive Legend now supports collapsing portions of long legends and provides a new side panel style that docks it on either side of the map, giving users more space to interact with the legend. With the Slider template, you can now configure multiple numeric sliders that users choose from a menu to play different data animations in the app. For more information, see [What's new in Instant Apps](#).

Data management

- You can select a tile package item from your organization to use as the basemap when you [configure a web map for offline use](#). When you use this advanced offline option, you don't have to load the tile package to all devices that will take the map offline, and ArcGIS Online does not have to compress the map's basemap into a tile package to take it offline.
- If filters or queries of nonspatial fields in your hosted feature layer are slow, you can [define attribute indexes](#) on them. To improve queries that search for words or phrases in string fields, you can [add a full-text index](#).
- ArcGIS Online provides more information to web map owners and organization administrators for [shared maps](#) to help troubleshoot problems with the sharing settings that are configured for the layers in the map.

Accounts and administration

- The organization overview page has been enhanced to include at-a-glance information about [feature data storage](#) status, with color-coding to indicate when a subscription is close to reaching its feature data storage limit. A redesigned feature data storage chart is also available for organizations with Premium Feature Data Store.
- A [new type of organization report](#) is available in ArcGIS Online. Administrators can now [create item view count reports](#) to help them see trends in traffic to specific items in the organization over time.