ArcGIS Instant Apps

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SCHOLARS' LAB

Drew MacQueen
GIS Specialist
dmacqueen@virginia.edu

Chris Gist
GIS Specialist
cgist@virginia.edu

Class Page
> http://guides.lib.virginia.edu/gis
> Click **Teaching Resources > Spring 2024 Workshops**

ArcGIS Online
https://uvalibrary.maps.arcgis.com/

ArcGIS Instant Apps
https://uvalibrary.maps.arcgis.com/apps/instantgallery

Create or Login to ArcGIS Online Account

- **If you're not a UVA affiliate, or don't have an Eservices login, please contact us for a temporary login.**

Go to: https://uvalibrary.maps.arcgis.com/

- Click **Sign In**
- Click **University of Virginia**
- Sign in using your NetBadge credentials.

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NOTE: If this is your first time logging in, an ArcGIS Online account is automatically created. Continue to use the above instructions to login to your account.

Map Viewer is an interactive web mapping and data visualization application for creating, exploring, and saving web maps. It's very powerful, but is often either overkill, or lacking the specific functionality needed to properly showcase your data and maps. And, while the broader application builders like Web AppBuilder and StoryMaps are very useful, sometimes the best option is an Instant App. They can be built very quickly and painlessly but can also be used to enable functionality that isn't otherwise easily enabled.
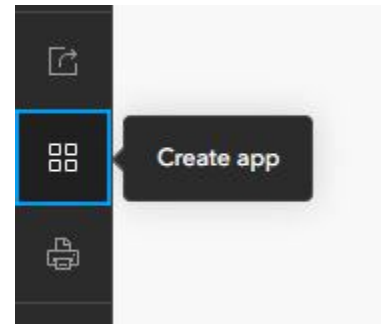
Build a Map

Our first step in building a mapping application is to create a Map. The map is where you'll find, organize, configure, and symbolize your spatial layers. For today's exercises, we've

created a map for you that will allow us to dive right into app creation, in addition to highlighting some of the focused template functionality.
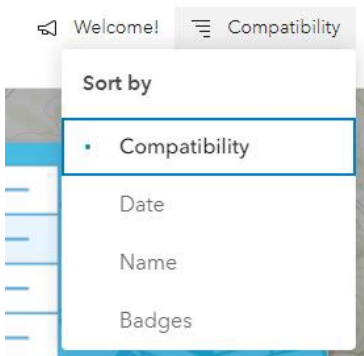
1. Click the search icon in the top bar and enter "Instant Apps Workshop".

2. Find the "Instant Apps Workshop Map" and open it by clicking the three dots in the bottom right corner of the panel and clicking **Open in Map Viewer**.

Select a Template

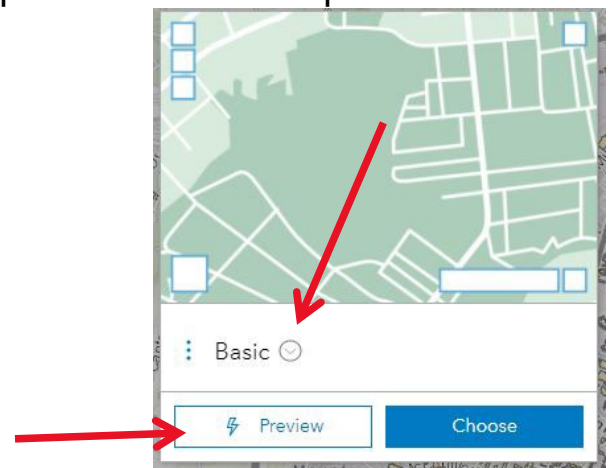3. In the Map Viewer, click the **Create app** button and click **Instant Apps**.

You will be taken to the Instant Apps Gallery. Here you can interact with each app board to get more information about the application and what it does, view a live preview of a configured version of the app, and choose an app to begin configuring. You can also search for the specific functionality you're looking to take advantage of.

There are multiple ways to access the Instant Apps Gallery. Because we started from a Map with data, the templates are automatically sorted in order of the most compatible with your data.

4. Click **Compatibility** to see and change the sorting options.

5. Click the **Search app capabilities** text box and enter some search items (e.g., Edit, Time, Attachment). Capabilities will appear in the list as you type. Click on a list item to initiate the search. Note that the search is limited to the capabilities that come up on that list.

6. Click the small down arrow next to the title to see a detailed description of the template's functionality, and some examples of how it can be used.

7. Click **Preview** to see a minimally configured version of the app using your map and data.

8. Click **Back** to go back to the Gallery, or click **Choose** to begin configuring your app.

Configure

The same basic configuration options exist for all the templates, but each template has its own set of more focused configurations. The description and preview are useful for making a quick determination, but nothing beats diving into a template and playing with all the configuration options. Instant Apps automatically reflect configuration changes, so you can see the effect of your configuration changes as you make them.

We are going to focus on the Minimalist, Slider, and Attachment Viewer templates. However, feel free to explore all the templates to get a feel for the tools and to be sure you're choosing the template that best highlights your map and data.

9. Once you've decided on a template, click **Choose** to begin configuration.
10. Give the app a useful title and tags, then click **Create App**.

Express

The most essential settings to consider when publishing this app

Step 1. Map
Select a map or a scene to display in your app

Step 2. About
Include information to help readers understand your map

Step 3. Interactivity
Configure the tools needed for an effective experience of exploring/analyzing your map

Step 4. Theme & Layout
Customize the look of your app

You will be taken to the app configuration screen. Along the left side, you're presented with the Express setup options. You can click the numbered configuration cards to work on a specific section or click the top card and work through them sequentially. This is the fun part! Feel free to play with the options to see what they do!

11.   We've already chosen our Map, so click **Step 2** to begin configuring.
12.   Click **Next** to move to the next section and **Back** to move to a previous section.
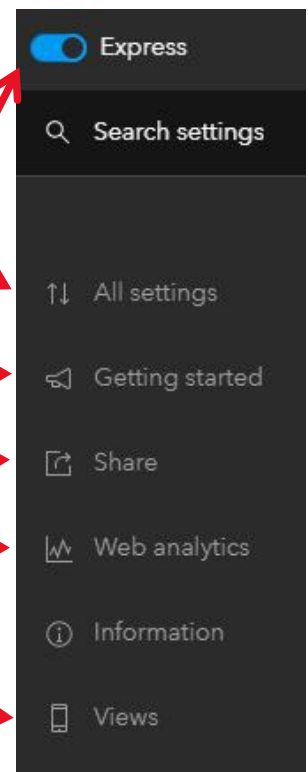
Uncheck the **Express** option, or click **All Settings** to enable Full Setup Mode

Click **Getting Started** for a quick overview

Change sharing, form embed code, and share with social media

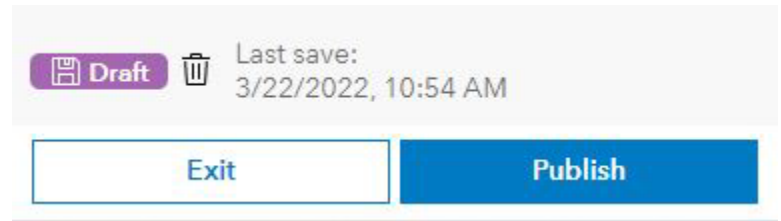Enable Web Analytics and see how many views your app is getting

Preview your app on different screen sizes

Express

Q   Search settings

↑↓ All settings

◁   Getting started

↗   Share

⊿   Web analytics

ⓘ   Information

▢   Views

Publish

Your new app is in Draft form, which means that the configurations you've applied will not be visible to the end users until you've published your app.

13. Click **Publish**, then click **Confirm**.

The "Draft" tag will now read "Published", and users will see your configurations. Keep in mind that any new changes will put you back into a Draft, and those new changes will not be visible to your users until you've published again.