

Introduction to VertiGIS Studio Web: Part 2

Course Length: 2 days (instructor-led)
5 days (self-paced)

Overview

This two-day training course builds on the skills developed in the *Introduction to VertiGIS Studio Web: Part 1* course. You'll explore more advanced configurations, components, and customization techniques in VertiGIS Studio Web. The course emphasizes the relationship between web map settings and app behavior, showing where to apply configurations such as layer properties and how to leverage Arcade expressions for dynamic data display. You'll work with additional app components like layer tools, data links, and editing tools. You'll also gain experience managing apps with multiple layouts, and enhancing user interactivity with KPIs, charts, and startup customizations. By the end of the course, you'll be confident in creating and customizing robust, user-focused web applications using VertiGIS Studio Web.

Audience

This course is intended for GIS professionals who have some prior experience using VertiGIS Studio Web and are ready to build on their existing skills. It is designed for participants who are familiar with the basics of app creation, such as adding components and working with maps, and want to deepen their knowledge of advanced app configuration and customization. Learners should also have experience creating and sharing web maps in ArcGIS Online or Portal for ArcGIS. This course is a good fit for VertiGIS Studio Web users and for those moving from Geocortex Essentials to the VertiGIS Studio platform. A general understanding of web-based systems and workflows will help support success in this course.

Topics Covered

Day 1

- App Components – Explore the Search, Query, and Filter components and how to customize them. Review component placement options. Learn about mapping components for Geolocate, Address, and Map Coordinates. Add an Overview Map to an app. Implement a Basemap Series and use a Basemap Slider. Understand how printing works in an app.
- Map vs. App – Discuss types of online data and understand how the configuration of the web map in ArcGIS Online or Enterprise ArcGIS affects a VertiGIS Studio Web app. Discover how web map settings affect the app and how to override those settings in the app. Add custom basemaps to your app. Learn how to set the spatial reference and work with group layers. Create icons for layers in the Layer List component. Modify the display properties of the attributes including field visibility, alias, and format. Provide tools in the app to allow the user to control layer properties. Customize pop-ups with hyperlinks, charts, and formatted content.

- Empowering Users – Learn how to manage attribute views using lists and tables. Discuss keyboard shortcuts available in your app. Make use of layer presets to create tailored views of the data in your app. Enable markup tools in your app to let users add and save notes. Discuss replacement tokens including the feature label and feature description of a layer. Explore the purpose and implementation of multiple layouts in a single app for improved user experience.
- Linking Data – Learn about establishing relationships with data from other sources. Understand the concept of data links and the various types of data that can be linked. Configure a data link in an app to establish relationships between datasets. Understand the role of coded value domains and how to apply them in an app. Explore methods for including related records and attachments to enrich app content.

Day 2

- Editing Data in an App – Discuss what data can be edited from within an app. Understand configuration settings of feature services, layers, and fields. Use sharing permissions to limit editing capabilities of data. Integrate editing tools into your app and explore the features of the Geometry toolbar.
- Web Commands – Discuss the different levels of app customization and how they build in complexity. Learn how web commands work in command chains. Understand how parameters work with commands and operations. Implement commands in a web app. Identify the various places where Arcade expressions can be used to enhance the user experience in the app.
- KPI Cards and Charts – Understand what Key Performance Indicators are and how to define, configure, and use them to reveal meaningful insights about data within the app. Learn how to create and configure interactive charts to visually explore and communicate patterns, trends, and relationships in the data.
- Managing an App – Discuss best practices for using visibility filters to hide or show app components. Learn how to customize built-in app messages. Create a custom theme to tailor app appearance. Customize app startup using URL parameters and workflows when the app loads. Get to know VertiGIS Studio Item Manager.

Format

This course is available as an in-person or remote instructor-led course, or as a self-paced course, with hands-on practice and course materials you can keep.

Prerequisites and Recommendations

- Completion of the *Introduction to VertiGIS Studio Web: Part 1* course is required prior to taking this course.
- Completion of the *Introduction to VertiGIS Studio Workflow* course is strongly recommended.
- Familiarity with creating and sharing content in ArcGIS Online (AGOL) or Portal for ArcGIS is an asset.
- Experience with building maps in Map Viewer is expected to ensure smooth map integration.
- A basic understanding of web-based systems and technology is beneficial.
- We recommend using two monitors for an ideal learning experience.