Introduction to VertiGIS Studio Mobile

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

Overview

In this two-day course, you will learn how to build VertiGIS Studio Mobile (VSM) apps that support efficient and effective management of field data. Design strategies and layout options will be discussed as you learn to create custom mobile layouts and apply your skills to making your own app. Out-of-the-box tools, task-specific workflows, and custom-built workflows will be added to your app to support field data collection. You will examine data and web map settings and learn about required configuration to support offline use of your mobile app. Finally, you will examine the deployment options for VSM apps and create a platform-specific app using a self-signed security certificate. VertiGIS Studio Go is used throughout the course to test and debug your apps.

Audience

Those in any industry who are comfortable with GIS mapping concepts and are wanting to create custom map-based applications with the ability to go offline. The course is designed for novice and experienced VertiGIS Studio users who are somewhat familiar with VertiGIS Studio Web and VertiGIS Studio Workflow.

Topics Covered

Day 1

- VertiGIS Studio – An overview of VertiGIS Studio and an introduction to the VertiGIS Studio capabilities.
- VertiGIS Studio Mobile – Understand the relationship between AGOL/Portal for ArcGIS, VertiGIS Studio Mobile, and VertiGIS Studio Go. Get acquainted with the VertiGIS Studio Mobile Designer interface.
- Designing a Mobile App – Discuss strategies for designing an app. Examine data and learn about properties that will affect your app. Create a web map and see how layer settings can affect your app. Build a simple app and configure various map settings.
- Adding Custom Functionality – Learn about components and how to add/remove them from an app. Discover the available built-in commands to choose from. Understand where workflow templates can be accessed. Create a workflow from a template. Compare the user experience between a workflow template and a custom workflow. Use a custom workflow.

Day 2

- Organizing Mobile Layouts – Discover the layout components. See how to position components within the app display. Discuss how to align components within parent components. Learn how to make your app work on multiple device types and sizes.
- Taking Mobile Apps Offline – Understand how data is downloaded for offline use. Discuss requirements for offline workflows. Learn about two types of map areas. Manage downloaded map areas. Discover how basemap data can be used offline. Practice using your app offline.
- Sharing Mobile Apps – Learn about deployment strategies for developing an app. Use VertiGIS Studio Mobile tools for applying a deployment strategy. Discuss differences between deploying for Studio Go versus a platform-specific device. Build a Windows app from your custom app.

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

- Knowledge of creating and sharing content in AGOL or Portal for ArcGIS.
- Fundamental knowledge of web-based systems and technology is an asset.
- Previous experience or familiarity with VertiGIS Studio Web and VertiGIS Studio Workflow is advised.
- We recommend using two monitors for an ideal learning experience.