

Introduction to VertiGIS Studio Reporting

Course Length: 2 days (instructor-led)

5 days (self-paced)

Overview

In this two-day course, you will learn how to build VertiGIS Studio Reporting templates that can be called from web apps and workflows created with VertiGIS Studio Workflow. Features of VertiGIS Studio Reporting and the Designer interface are explored along with tools to preview your reports. Connections to both spatial and non-spatial data are created and discussed to ensure understanding of how data is accessed by a report template. Report bands and controls are used to organize and customize the report template, and strategies for organizing a multi-page report are considered. Parameters are implemented to pass feature data from the app to the report. Data from joined and related tables is included in the report. Expressions, hyperlinks, bookmarks, and charts are used to help tell the story of what is happening in the data.

Audience

Those in any industry who want to provide users the ability to generate reports from an app. The course is designed for novice and experienced VertiGIS Studio users who are somewhat familiar with VertiGIS Studio Web.

Topics Covered

Day 1

- Introduction to VertiGIS – Describe the features of VertiGIS Studio Reporting and the Designer interface. Explore an example report. Discuss the high-level steps to create a VertiGIS Studio report and the VertiGIS Studio architecture.
- How Reports Work – Understand what a VertiGIS Studio report template is and how it collects data. Examine how report bands and controls organize a report. Learn about the components of a completed report.
- Create a Report Using the Layer Report Template – Describe features of the Layer Report Wizard template. Explain how the Layer Report Wizard exposes data in a report. Use the Layer Report Wizard to create a report with an ArcGIS Data Source. Learn about the role of the report parameter. Configure report parameter values.
- Create an ArcGIS Layer Report – Learn about report properties. Add components to the report template and configure their properties. Discuss different report bands and how they are used in a report. Set the look and feel of report content using appearance properties and styles. Divide report content into groups.

Day 2

- Add Related Data – Identify the components required to replicate a table join. Include data from another table in the same data source joined to the current table as a master-detail relationship. Configure a detail report band with joined data. Discuss ways to organize a multi-page report.
- Add Related Data from a Secondary Source – Identify the elements required to replicate a table relate. Include non-spatial data from a Microsoft Access database related to the current table as a report-subreport relationship. Learn how to size a subreport control in the main report.
- Configure Dynamic Content – Learn how to divide data into groups. Use the Expression Editor to build expressions that are evaluated at runtime. Add dynamic hyperlinks to the report. Insert bookmarks into the generated report PDF. Configure images based on report data and display calculated values. Understand how to manipulate the visibility of bands and controls.
- Use the Chart Control – Describe features of the chart control. Use the chart control to add a pie chart to the report. Discuss various chart configuration options and how to hide an empty chart when there is no data to display.

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 understanding of GIS data is an asset.
- Previous experience or familiarity with VertiGIS Studio Web and VertiGIS Studio Workflow is helpful but not required.
- We recommend using two monitors for an ideal learning experience.