

Introduction to Web Mapping Development using the ArcGIS Javascript API Workshop Agenda

Description: With the advance of web mapping services and Web technology, creating and publishing high-performing, modern-looking Web maps has become easier and rich with options. This Workshop teaches the basics of how to build attractive, sophisticated internet mapping applications using the lightweight, browser based ArcGIS Server JavaScript API. Topics include designing and publishing web mapping services using ArcGIS Server; consuming ArcGIS map services using the ArcGIS Server REST API and Dojo Javascript library; integrating functionality (queries, geoprocessing, etc.) for more interactive applications; and tools and techniques for rapid application development. This Workshop is geared toward GIS analysts and others who want to create rich internet mapping applications to publish GIS content throughout an organization or to the public via the Internet. Attendees do not need to be highly experienced programmers but a basic understanding of HTML and familiarity with JavaScript are recommended. Approximately 50% lecture, 50% application development.

Day 1

- Lecture 1: Overview of Web Mapping and ArcGIS Server
- Hands-on Training : Explore examples of effective Web maps
- Lecture 2: Publishing ArcGIS Map Services
- Hands-on Training: Create effective basemaps with ArcGIS
- Lunch Provided (1 hr)
- Lecture 3: Javascript and the Dojo Framework
- Hands-on Training: JavaScript and the Dojo framework
- Lecture 4: ArcGIS Server Javascript API
- Hands-on Training: Create a Web Mapping Application

Day 2

- Lecture 5: Query Tasks and Feature Layers
- Hands-on Training: Working with Query Tasks and Feature Layers
- Lecture 6: Geocoding and Geometry Tasks
- Hands-on Training: Add Geocoding and Geometry services
- Lunch Provided (1 hr)
- Lecture 7: Geoprocessing Tasks
- Hands-on Training: Add a Geoprocessing Task
- Lecture 8: Integrating Dijits (Map Widgets)
- Hands-on Training: Add Map Widgets (Dijits)