

## Training the GIS Professional

# Developing Web Apps with the ArcGIS Maps SDK for JavaScript 4.x - 3 days

This course teaches how to use the ArcGIS Maps SDK for JavaScript 4.x to efficiently build high-performing, engaging Web applications that meet the needs of their intended audience. You will learn about the classes available in the SDK, how to use them in a JavaScript-based Web application and how to incorporate ready-to-use content and ArcGIS services to enhance your applications.

## Who should attend

- GIS Desktop Application Developers
- GIS Web Application Developers
- GIS Mobile Application Developers
- GIS professionals with an interest in coding and web development (see prerequisites below)

## Goals

- Build, test and deploy 2D and 3D web applications using the ArcGIS Maps SDK for JavaScript 4.x.
- Use the ArcGIS platform to incorporate ready-to-use content and online services that allow end users to visualise, query, analyse, and edit data.
- Configure SDK components to meet user requirements.
- Apply best practices to ensure high performance and proper communication between the client application and web server.

## Topics Covered

- Introduction to the ArcGIS Maps SDK for JavaScript – Getting started with the SDK, Adding ArcGIS Online basemaps.
- Working with the Map – Adding data to the map, combining layers, adding layers programmatically, using widgets, working with events
- Working with rest classes and widgets – Working with GIS services, working with secured GIS resources, rest class implementation workflow, geocoding and searching, exporting a web map
- Applying queries to data – Displaying temporary data in the map, understanding graphics, understanding symbols, drawing graphics on the map, using the SDK to answer questions, displaying query results, setting up the Query object, executing a query
- Visualising and rendering data – Understanding renderers, renderer visualisation properties, applying renderers to layers, generating renderers, working with dynamic layers, working with LayerDrawingOptions

## Topics Covered Continued

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## Prerequisites

JavaScript and HTML programming experience is required. Attendance of our Introduction to JavaScript course or equivalent knowledge.

## Contact Us

For GIS training enquiries and bookings visit [esriuk.com/learning](http://esriuk.com/learning), email us at [learning@esriuk.com](mailto:learning@esriuk.com) or call us on 01296 745504