EDUACTION GISSOLUTIONS

CREATING INTERACTIVE WEBMAPS USING MAPSERVER AND OPENLAYERS

This is an intermediate-level course that teaches participants how to create an interactive, web-based GIS map that can be inserted into a web site. The entire course is presented using free, Open Source software packages such as MapServer and OpenLayers. No proprietary software is used. Each course participant is given a copy of the various software packages that are used.

Course Level: Intermediate

Who is the course aimed at? This course is aimed at companies and organisations that would like to display or disseminate their spatial data in the form of interactive maps. It is also an ideal course for anyone interested in learning about Open Source alternatives to proprietary GIS map servers.

Where is the course presented? We will come to you and present the course at your offices. We offer very competitive rates so please contact us for a quotation using the email address below.

Course Content: In this course participants are led through the process of installing, designing and implementing an interactive, internet-based mapping system. This is done using a hands-on approach that allows participants to become proficient as quickly as possible. We cover the following topics in the course:

- Web server software – in this section we will look at the installation and configuration of Apache, the world's most popular web server
- Map servers – a review of popular, open source map server software
- MapServer – installing and configuring MapServer
- Creating the first map – designing and symbolising a simple, static map and displaying it in a web browser
- Creating a complex map – designing a map with multiple layers, each with their own symbolisation and label style
- Map server front-ends – an overview of open source web mapping clients
- OpenLayers – installing and configuring OpenLayers
- An interactive map – adding JavaScript code to your web page to provide zooming and panning functionality

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