

PostGIS Training

Duration | 1 day | 9.15am – 5pm

Prerequisites | Experience of GIS software is desirable

Cost | £500 ex VAT

Course Overview

PostGIS is an open source spatial database built on top of the enterprise level PostgreSQL database. PostGIS adds standards compliant support for geographic objects to the PostgreSQL object-relational database allowing it to be used as a spatial database for geographic information systems (GIS).

This hands-on training course is designed to help you get started with PostGIS, covering the installation, configuration, management and use of a spatial database. Delegates will learn how to create spatial databases, load data from a number of different sources, perform queries and connect via common GIS tools.

Modules

Welcome to **miso**

- Course overview, resources and amenities

Introduction to open source

- Open software
- Open standards
- Open data
- Introduction to PostGIS

Creating a spatial database

- Creating a new schema
- Creating a new spatial database
- Loading sample data via shp2pgsql
- Loading data via OGR
- PostGIS metadata tables
- PostGIS spatial function
- Connecting to data via a desktop GIS

Installation and configuration

- Installation concepts
- Installation of PostgreSQL
- Installation of PostGIS
- Installation of pgAdmin III

Configuration and Optimisation

- Network access configuration
- Logging and error reporting
- Vacuuming data

Management, privileges and access control

- Add/remove tables
- Remove a spatial database
- Add/remove users
- Grant/revoke privileges
- Best practice for user roles

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