

Spatial Database

PostGIS PostgreSQL

Basic



This hands-on training course is designed to equip Spatial, IT or Database Administration professionals with basic skills for managing PostGIS spatial data in a PostgreSQL database.



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1 Day
Duration



Basic
Skill Level



12
Students

Topics Covered

- ⊕ Select between geometry and geography types
- ⊕ Spatial Reference Identifiers (SRID) for your data
- ⊕ Point, line and polygon objects storage
- ⊕ Create, validate and visualise geometry objects using well-known text (WKT)
- ⊕ Spatial constructors and methods for each geometry type
- ⊕ Inspect a geometry object's structure using the relevant methods
- ⊕ Load data from spreadsheets and external GIS formats
- ⊕ Create spatial indexes for geometries
- ⊕ Conduct spatial querying using spatial indexes
- ⊕ GIS software configuration to access PostGIS spatial data

Prerequisites

- ⊕ Familiarity with SQL SELECT statements
- ⊕ Knowledge of relational database models and structures
- ⊕ Familiarity with spatial data and concepts
- ⊕ Understanding of pgAdmin III

Further Study

- ⊕ Successful completion of this course provides direct entry to the *Spatial Database: PostGIS PostgreSQL (Intermediate)* course

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