

ADMINISTERING POSTGRESQL AND MASTERING SQL

TRAINING OBJECTIVES

PostgreSQL is a free and opensource database management system widely used in the GIS world.

Mastering this tool has become essential to store your data efficiently.

At the end of the training, participants will be able to:

- Install and administer PostgreSQL
- Perform SQL queries to manage their data model.
- Query and process their data.
- Backing up their bases



TARGET AUDIENCE

Anyone with a basic computer science background who wants to manage their data through a widely used free and opensource program



PREREQUISITE

Know how to use a computer under MS Windows

Coming to the training with your own laptop and, if you prefer, have the Administrator profile of your machine to be able to install PostgreSQL, or have access to a Windows server on which to install PostgreSQL, or have access to a server (Linux or Windows) on which PostgreSQL is pre-installed



EDUCATIONAL RESOURCES

Digital course material given to the trainee (with concrete cases, practical exercises, technical sheets)

Evaluation questionnaires and certificate of completion of training



DURATION > 2 days



REGISTRATION

Email > formation@arxit.com

Consulting us for accessibility for people with disabilities

PROGRAM

DAY 1

MODULE 1: INSTALLATION AND CONFIGURATION

Installation

Utilities

Configuration and data

MODULE 2: DISCOVER POSTGRESQL

PostgreSQL

Client-server architecture

Structuring a cluster

Roles and rights

MODULE 3: STRUCTURED QUERY LANGUAGE (1/2)

SQL Fundamentals

DDL: Manage Objects

DML: Managing Data

DAY 2

MODULE 3: STRUCTURED QUERY LANGUAGE (2/2)

DQL: Query the data

DCL: Control Rights

Views

MODULE 4: BACKUP

Types of Backup

Some logical backup utilities

Automation

PITR Backup

