

POSTGRESQL - POSTGIS SPATIAL DATABASE MANAGEMENT SYSTEM



PostgreSQL

Objective

At the end of the workshop, the participant will be able to know and apply the basic principles of the processing of geographic information through Postgres/PostGIS databases.

Topics

Presentation

- Introduction to Database Systems
- Geographic Database
- Introduction to the PostgreSQL Database Management System
- Fundamentals of SQL in PostgreSQL.
- Geographic Information Systems
- Methodology for the Design of a Geographic Database
- Requirements analysis
- Conceptual design
- Logical and Physical Design
- Implementation or integration of information in databases.
- Consultation and analysis of geographic information through the Geographic Database.

Technical requirements.

To attend the workshop, it is necessary that each participant have a computer with internet access and the following minimum characteristics:

RAM memory	8Gb
Processor	Intel i5 processor or equivalent
HDD	20GB free hard drive
Browser	Browser Latest versions of Chrome and Mozilla Firefox
Accessories	Headband with microphone, camera not necessary



Duration: 20 hours

An effective workshop time of 20 hours has been considered. 10 sessions of 2 hours are recommended.

Maximum group capacity

- 25 people.



Schedule:

- Group 1: from 8:30 to 10:30, Mexico time.
- Group 2: from 12:00 to 2:00 p.m., Mexico time.
- November 4 to 15, 2024.
- Last day for registration March 29, 2024.

Pre-installed software

- PostGIS 3.2.1
- PostgreSQL 16.0-1
- QGIS 3.28.7-1
- PgAdmin 4-7.7-x64
- Microsoft TEAMS

Attendee Requirements

- Notions of Geographic Information Systems and interest in information technologies.
- Cartography basics.
- Basic Knowledge of databases.
- Basic knowledge of Qgis.



Contact

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