# PostgreSQL Database Essentials (PSE)

## Duration : 3 Days

## Course Content

PostgreSQL Database Essentials is an intensive four-day course for a variety of IT professionals that provides four days of instruction and hands-on lab activities, an object-relational database powered by PostgreSQL.

## Prerequisites

- Database knowledge

## Course Objectives

Become a DBA, system administrator, or developer with a solid understanding of the installation, operation, capabilities, and features of PostgreSQL Database.

## Who Should Attend

IT professionals using Red Hat Database or PostgreSQL, including database administrators, system administrators, application developers, and web developers.

## Course Outline

- Types of databases.
- Database terminology.
- Installation.
- Creating a new database.
- Adding users.
- Authentication and host access.
- Run-time parameters and options.
- SQL syntax and usage.
- Data types and operators.
- Transactions.
- Locking.

- Indexes.
- Table manipulation.
- User-defined types.
- Stored procedures and triggers.
- Performance tips.
- Backup/Restore considerations.