Foundations of PostgreSQL Administration

Course code: PostgreSQL3

Learn the essentials of administering enterprise-scale data solutions using the different tools available in PostgreSQL; providing the skills required to design, implement, and manage PostgreSQL This understanding will prepare you to install, configure, manage, and maintain PostgreSQL as well as manage large, highly available databases and their security requirements with confidence.

Who the course is for
- The primary audience for this course is individuals who administer and maintain PostgreSQL databases

After completing this course, students will be able to:
- Understand database architecture
- How to install and implement database system
- How to configure database system
- Create and maintain databases
- How to work with user command line tools and GUI tools
- How to secure database system
- Understand basic database system terms and help
- Create Backup and restore strategy
- Design and implement database maintenance
- How to move data
- Using metadata

Required skills
- Intermediate knowledge of RDBMS concepts
- Basic understanding of SQL
- Basic experience with use of the Linux operating system (helpful)

Course Outline
- System Architecture
- Installation
- Configuration
- Creating and Managing Databases
- User Tools: Command Line Interface
- GUI Tools
- Security
- SQL Primer
- Backup and Recovery
- Point in Time Recovery
- Routine Maintenance Tasks
- Postgres Data Dictionary
- Moving Data