Course Code: HPSQL01G

Course Title: PostgreSQL Database Administration Training

Description:

The PostgreSQL Database Administration course provides a comprehensive guide to managing PostgreSQL servers.

Objectives:

Participants will be equipped with the skills to handle switchover and failover, upgrading best practices, and migrating from Oracle to Postgres using Ora2PG, making this training the perfect stepping stone towards a rewarding career in PostgreSQL database administration.

Prerequisites:

- Working knowledge of Windows and Linux OS

Duration:

40 Hrs

Topics:

Unit 1: Introduction to PostgreSQL Server and Advance Features

Unit 2: Postgres Client Server Architecture

Unit 3: Getting Started

- Installing the PostgreSQL Server
- Setting Environment Variables
- Creating a Cluster
- Running Server

Unit 4: Configuring of PostgreSQL Server

Unit 5: Server Control

Unit 6: Creating and managing databases

Unit 7: Obtaining Metadata

Unit 8: Database Administration

- Performing actions on many tables
- Writing a script
- Adding/removing schemas

- Moving objects between schemas
- Adding/removing tablespaces
- Moving objects between tablespaces
- Using materialized views

Unit 9: Table Partitioning

Unit 10: Extensions and Security

Unit 11: Monitoring and Diagnosis

Unit 12: Performance and Concurrency

Unit 13: Backup and Recovery

Unit 14: Moving Data

Unit 15: Replication and Upgrades

Audience:

- Database Admin
- Software Developers
- Data Analysts

Certification:

None