

# POSTGRES DATABASE ADMINISTRATION MODULE

(CFG-TC03)

## About This Course

This course is designed for database professionals who are responsible for administration and maintenance of PostgreSQL, who want to increase proficiency and learn the best practices .

This special 2-days course teaches both foundational and advanced Postgres database administration topics. This immersive class offers hands-on experience with Postgres use cases based on years of field experience.

## Course Objectives

Upon completion of this course of this course you should be able to:

- Upon course completion, you will be prepared to successfully manage your mission critical PostgreSQL installations.
- Performing core administration tasks with confidence and skill.

### Pre-requisites

- Basic experience in database administration. No prior knowledge of PostgreSQL is required, but may be helpful for learning advanced topics.

## Target Audience

Database Administrator for Century Financials System .

## Course Outline

### DAY 1

#### Introduction

#### Postgres System Architecture

Getting Started – installation, setting environment variables, creating a cluster, connecting to the server. Configuration – connection, authentication, WAL, log, vacuum settings and more.

#### Creating and Managing Databases

Object, hierarchy, databases, schemas, roles, users, groups and access control.

#### Introduction to PSQL

Basic conventions, commands and parameters. Using pgAdmin III

#### Security Basics

Configuration, access control, ownership, etc.

### DAY 2

#### SQL Primer

Data types, basic queries, functions, constraints, views, sequences, indexes.

#### Backup and Recovery

backup types and strategies  
Point-in Time Recovery

#### Routine Maintenance

Query plan, table  
Statistics, vacuuming, re-indexing, and more  
Postgres Data Dictionary  
Moving Data  
Performance tuning & Monitoring

## Register

Course : \_\_\_\_\_

Date : \_\_\_\_\_

### Participant One :

Name : \_\_\_\_\_

\_\_\_\_\_

Organization Name : \_\_\_\_\_

\_\_\_\_\_

Job Title : \_\_\_\_\_

Email : \_\_\_\_\_

Contact Number : \_\_\_\_\_

Training Date : \_\_\_\_\_

### Participant Two :

Name : \_\_\_\_\_

\_\_\_\_\_

Organization Name : \_\_\_\_\_

\_\_\_\_\_

Job Title : \_\_\_\_\_

Email : \_\_\_\_\_

Contact Number : \_\_\_\_\_

Training Date : \_\_\_\_\_

### Human Resource / Approving Manager :

Name : \_\_\_\_\_

\_\_\_\_\_

Organization Name : \_\_\_\_\_

\_\_\_\_\_

Job Title : \_\_\_\_\_

Contact Number : \_\_\_\_\_

Fax Number : \_\_\_\_\_

## Administrative Details:

Course Fee : RM 1,700.00 / Session

SST 6% : RM 102.00 / Pax

Total : RM 1,802.00 / Pax  
Lunch and refreshment provided

Duration : 2 Days

## Contact Information :

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Seksyen 51A , 47300 Petaling Jaya , Selangor

## Ways to Register :

1. Cheques are to be made payable to Century Software (M) Sdn Bhd and mail payment together with registration to : A-8, Level 7 , Sunway PJ@51A, Jalan SS 9A/19, Seksyen 51A , 47300 Petaling Jaya , Selangor

2. Online registration at  
[www.centurysoftware.com.my](http://www.centurysoftware.com.my)

## Terms & Conditions :

Upon receipt of a completed registration form , it confirms that the organization is registering for the seat(s) of the participant(s) to attend the training.

1. Payment is required with registration and must be received prior to the event.

2. Payment has to be received 7 working days prior to the event commencement. However a substitute is welcome at no additional charges.

3. If cancellation occurs in 7 working days prior to the event and there is no substitute, the organizer reserves the right to charge 50% of the total investment.

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