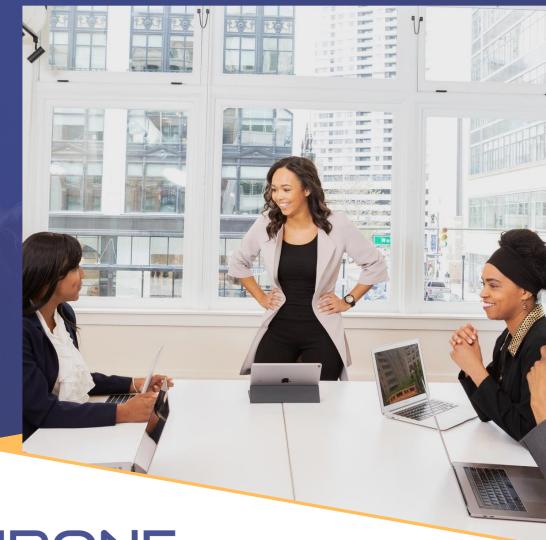# POSTGRESQL ADMINISTRATION CERTIFICATION

As per International Standards

UNICHRONE

Unichrone Training Advantages

✔ 1 Day Interactive Instructor-led Online/Classroom or Group Training

✔ Course study materials designed by subject matter experts

✔ Mock Tests to prepare in a best way

✔ Highly qualified, expert & accredited trainers with vast experience

✔ Enrich with Industry best practices and case studies and present trends

✔ PostgreSQL Administration Training Course adhered with International Standards

✔ End-to-end support via phone, mail, and chat

✔ Convenient Weekday/weekend PostgreSQL Administration Training Course schedule

UNICHRONE

About Unichrone

✔ We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.

Guaranteed Quality

Handpicked Trainers

Global Presence

Online Training Option

We've trained professionals across global companies

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Importance of PostgreSQL Administration Training

✓ PostgreSQL Administration Certification can help an individual become a maestro in administering one of the most robust and versatile database systems in the world. PostgreSQL has an extensive set of features and it is renowned for its reliability and scalability. This can power millions of applicants ranging from startups to large enterprises. The certification provides a crucial understanding of each key component of PostgreSQL Administration, such as managing, securing, and optimizing these databases. Mastering advanced configuration, backup strategies, and performance tuning with accuracy are some other must-mentioned benefits.

✓ PostgreSQL Administration Training is therefore information that enables a person to gain knowledge and skills in managing PostgreSQL databases. In PostgreSQL Administration Training, candidates master core concepts relating to databases and installation of PostgreSQL instances. They build a deep understanding of more specific areas like performance tuning, query optimization, and general security in order to guarantee the best results from the used database. Further, candidates are taught about database backup and recovery procedures, disaster recovery strategies, and special problem-solving approaches to loss control and reduced system time.

ELIGIBILITY CRITERIA

✓ Aspirants need not meet any requirements to pursue PostgreSQL Administration Training Course. However, having prior knowledge is beneficial.

WHO SHOULD ATTEND

✓ Any individual who wants to gain skills in PostgreSQL Administration can enroll in the PostgreSQL Administration Training course.

Syllabus of PostgreSQL Administration Training

Lesson 01 – Introduction
1.	What is PostgreSQL?
2.	Why use PostgreSQL?
3.	Conventions
4.	Bug Reporting

Lesson 2 – Getting Started with PostgreSQL
1.	Installation
2.	Verify the Installation
3.	Architectural Fundamentals
4.	Creating and Assessing a Database
5.	Installation from Binaries

Syllabus of PostgreSQL Administration Training

Lesson 03 – Advanced Features
1. Views
2. Foreign Keys
3. Transactions
4. Window Functions
5. Inheritance

Lesson 04 – SQL Language
1. What is SQL?
2. Why SQL?
3. Applications of SQL
4. Joins Between Tables
5. Aggregate Functions
6. Updates
7. Deletions

Syllabus of PostgreSQL Administration Training

Lesson 05 – SQL Language Functions
1. SQL Syntax
2. Data Types
3. Functions and Operators
4. Indexes
5. Full Text Search
6. Concurrency Control
7. Performance Tips
8. Parallel Queries

Lesson 06 – Database Administration
1. Database Roles
2. Managing Databases
3. Localization
4. Routine Database Maintenance Tasks
5. Backup and Restore
6. High Availability, Load Balancing, and Replication
7. Monitoring Disk Usage
8. Reliability and Write-Ahead Log
9. Logical Replication
10. Just-in-Time Compilation (JIT)
11. Regression Tests

Syllabus of PostgreSQL Administration Training

Lesson 07 – Client Interfaces
1. Large Objects
2. ECPG – Embedded SQL in C
3. Information Schema

Lesson 08 – Server Programming
1. Triggers
2. Event Triggers
3. Rule System
4. Background Worker Processor
5. Logical Decoding
6. Replication Process Tracking

Syllabus of PostgreSQL Administration Training

Lesson 09 – Procedural Languages
1. Introduction
2. PL/pgSQL – SQL Procedural Language
3. PL/Tcl – Tcl Procedural Language
4. PL/Python – Python Procedural Language0

Lesson 10 – Internals
1. Overview of PostgreSQL Internals
2. System Catalogues
3. Frontend/Backend Protocol
4. PostgreSQL Coding Conventions
5. Native Language Support

Syllabus of PostgreSQL Administration Training

Lesson 11 – Writing
1. Procedural Language Handler
2. Foreign Data Wrapper
3. Table Sampling Method
4. Custom Scan Provider

Lesson 12 – Query, Access, and Records
1. Genetic Query Optimizer
2. Table Access Method Interface Definition
3. Index Access Method Interface Definition
4. Generic WAL Records

Syllabus of PostgreSQL Administration Training

Lesson 13 – Indexes
1. B-Tree Indexes
2. Behavior of B-Tree Operator Classes
3. GiST Indexes
4. SP-GiST Indexes
5. GIN Indexes
6. BRIN Indexes
7. Hash Indexes

Lesson 14 – Storage and Format
1. Database Physical Storage
2. System Catalog Declarations and Initial Contents
3. Backup Manifest Format

Exam Format of PostgreSQL Administration Certification

Examination Format	
Exam Name	**PostgreSQL Administration Exam**
Exam Format	Multiple Choice
Total Questions & Duration	30 Questions, 1 Hour
Passing Score	Minimum passing score of 70%
Exam Cost	Included in training fee

To get you fully prepared with the knowledge and skills for PostgreSQL Administration, a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session. Prepared by certified faculty, the practice tests are a true simulation of the PostgreSQL Administration exam.

Contact Us

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https://unichrone.com/