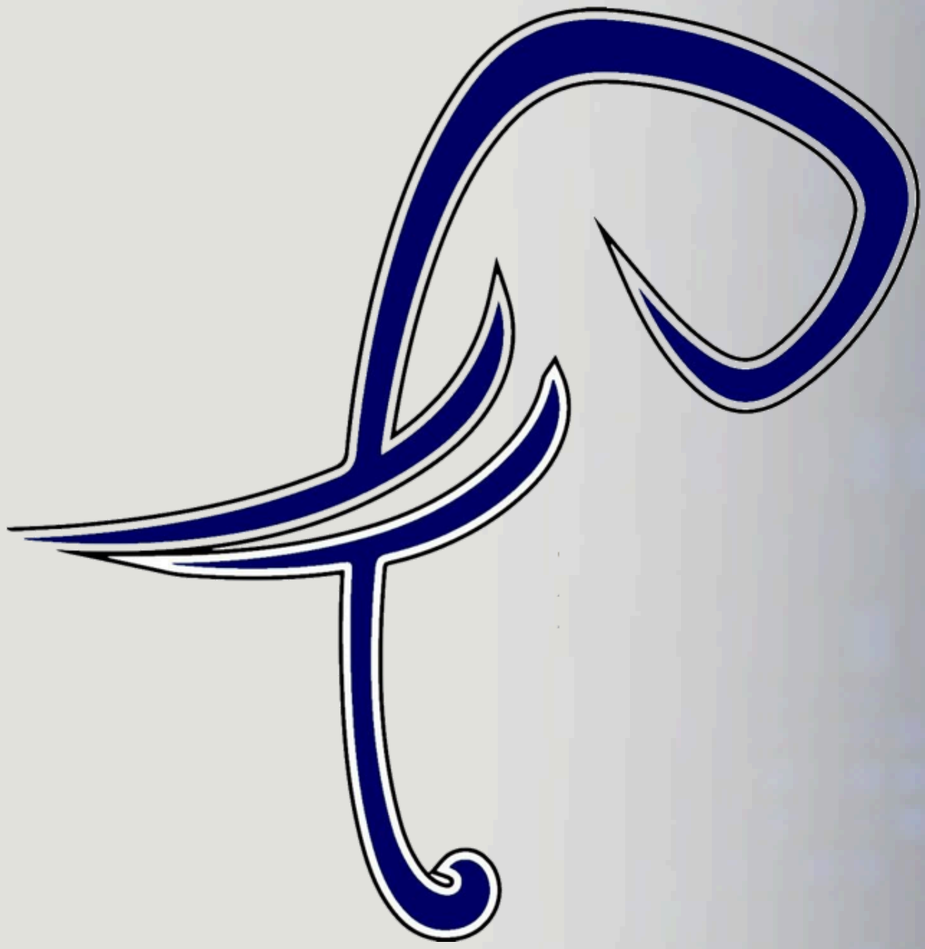


PostgreSQLCert

Get an Edge, Get Certified

www,postgresqlcert.com

About Postgresqlcert

PostgreSQLCert is a dedicated PostgreSQL Training, Certification & Services division of SaiFirst (A leading Global Open Source and Security certification Training Provider). SaiFirst became the first company in 2005 to launch a structured PostgreSQL Training & Certification program and has successfully provided hands-on Instructor-led training to hundreds of clients world-wide.

PostgreSQLCert offers vendor Neutral certification programs so the client can get to learn about all available options in the market NOT just focused on one vendor who is just trying to promote their own products and services. PostgreSQLCert goal is provide the best possible non-bias training & certification possible to all its clients.

Get an Edge, Get Certified

By becoming Certified from SaiFirst PostgreSQLCert provides effective PostgreSQL skills, confidence and client/employer's trust that you are a PostgreSQL Subject Matter Expert. Obtaining a PostgreSQL Certification from PostgreSQL Cert affirms a database professional's position as a knowledgeable and skilled asset with the required knowledge & skills in the PostgreSQL database technology.

SaiFirst certification programs sets the global standard for the commercial PostgreSQL professionals, and individuals certified under these programs fill a growing and critical need for PostgreSQL knowledge in the enterprise environments. World-class companies continuously examine business processes, employee performance and aggressively apply solutions to help them improve in training their employees to keep up with the technology and stay effective in an ever changing technology environment. PostgreSQLCert
can assist you in achieving and maintaining your competitive edge.

PostgreSQLCert offers Hands-on Instructor-led training & certification programs related to all core exam topics and offer certification programs and testing at both at their locations or exams can also be proctored in a convenient on-line format through a partner Exam testing site.

Partial List of Our Clients

United Arab Emirates

at&t

MOTOROLA

Microsoft

DELIVERY METHODS

On Demand

Instructor-Led
Virtuallive

Group Training

Courses offered

1. Introduction to PostgreSQL
2. Certified PostgreSQL DBA (CPSDBA)
3. Certified PostgreSQL Developer (CPSDBD)
4. Certified PostgreSQL Database Migration Specialist (CPDMS)
5. Amazon RDS
6. Linux Essentials for PostgreSQL DBAs
7. Upgrading to PostgreSQL
8. Migration from Oracle to PostgreSQL
9. Export/Import & Streaming Replication
10. PostgreSQL Fundamentals
11. Replication, Backup & Disaster Recovery
12. Data warehousing & Partitioning
13. Certified PostgreSQL Database Security Expert

PogtgreSQLCert

Introduction to PostgreSQL

PostgreSQL is a powerful, open source object-relational database system that uses and extends the SQL language combined with many features that safely store and scale the most complicated data workloads. The origins of PostgreSQL date back to 1986 as part of the POSTGRES project at the University of California at Berkeley and has more than 30 years of active development on the core platform.

Modules

1. Installing PostgreSQL
   - Compiling and Installing PostgreSQL on Linux/Unix
   - Post-Installation Setup
   - The PostgreSQL Windows Installer
2. Creating a Database and Testing the Server
   - Initializing a Cluster
   - Creating a Database
   - Starting the Database Server
   - The psql Client
   - Startup Failures and Client Connection Problems

Recommended experience -

- Basic SQL & Linux OS

Target Audience

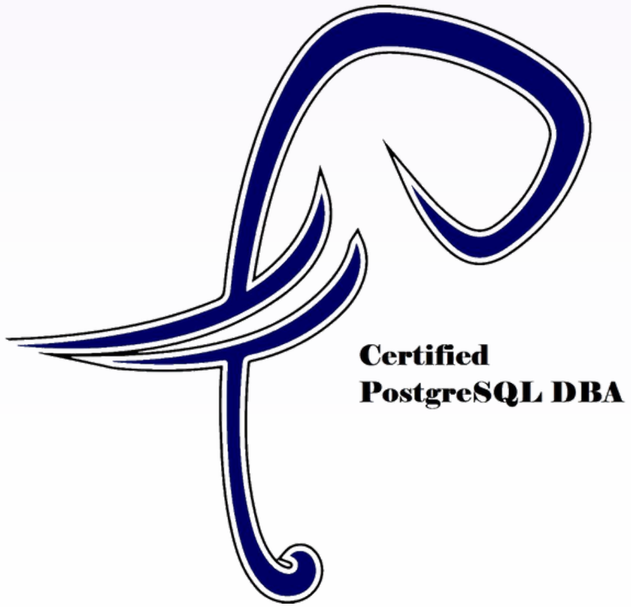
Existing Oracle, MySQL or Microsoft DBA’s or new candidates interested in joining the DBA world!

PogtgreSQLCert
Certified PostgreSQL DBA (CPSDBA)

PostgreSQL is commonly known as Postgres and it is also open source database.
PostgreSQL is a powerful, open source object-relational database system.
A database administrator's (DBA) primary job is to ensure that data is available, protected from loss and corruption, and easily accessible as needed.
The PostgreSQL administration covers some of the most important PostgreSQL database server administration activities.

Modules

1.Introduction
2.System Architecture
3.Installation and Database Clusters
4.Creating and Managing Databases
5.Security
6.Monitoring
7.User Tools -CUI and GUI
8.Configuration
9.Tablespaces
10.Backup & Recovery



PogtgreSQLCert
Certified PostgreSQL DBA (CPSDBA)

11.Routine Maintenance Tasks
12.Performance Tuning
13.Upgrading Best Practices
14.Streaming Replication
15.Point-in Time recovery
16.Setting up BART
17.Loading and Moving Data
18.Table Partitioning
19. Advance customized topics as required

Recommended experience -

- Basic SQL & Linux OS

Target Audience

Existing Oracle, MySQL or Microsoft DBA's or new candidates interested in joining the DBA world!

PogtgreSQLCert
Certified PostgreSQL Developer (CPSDBD)

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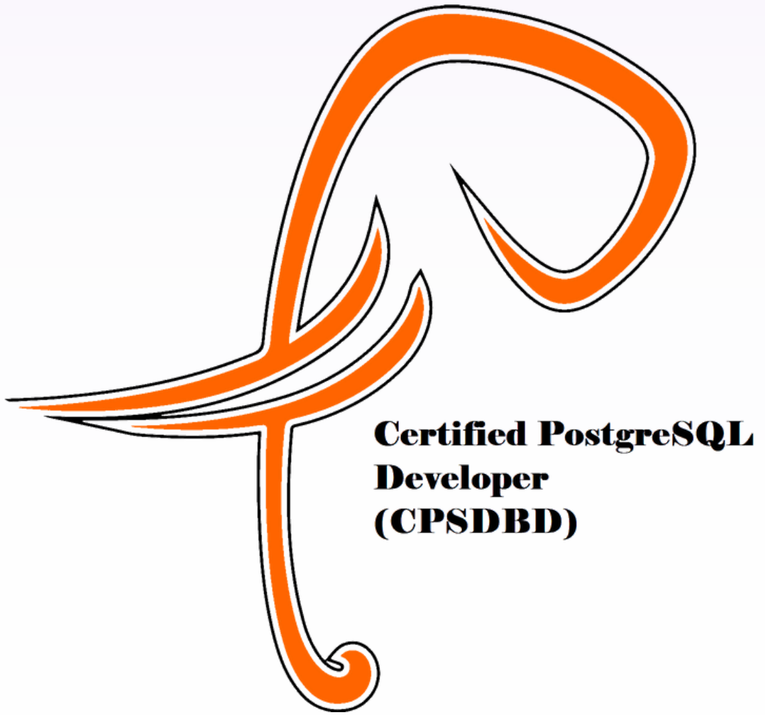
Modules

- Writing Queries using psql
- Creating, Altering and Truncating a Table
- Inserting, Deleting, and Updating Data from the Tables
- Data Types, Operators, and Usage
- PostgreSQL Constraints
- The Procedural Language: PL/pgSQL
- Working with Indexes
- Triggers & Rules



PogtgreSQLCert
Certified PostgreSQL Developer (CPSDBD)

- Window Functions
- Interface Details (.Net, DBI, etc.)
- Statement behavior
- Optimization
- Partitioning
- PostgreSQL Large Objects
- Foreign Data Wrappers
- PostgreSQL Using LibPQ
- Extensions

Recommended experience -

- Basic Structured Programming Knowledge or experience
- Linux or Windows OS
- PostgreSQL basics and/or SQL basics

Target Audience

- Database Developers
- Database Administrators
- Database Architects

This Certified PostgreSQL Developer (CPSDBD) course training is available only as group training for 10 or more candidates.

Click here to register Group traiining

PogtgreSQLCert

Certified PostgreSQL Database Migration Specialist (CPDMS)

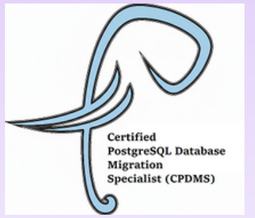
The Certified PostgreSQL Database Migration Specialist (CPDMS) course is an intensive, hands-on, enterprise-focused program designed to equip experienced database and platform professionals with end-to-end PostgreSQL migration mastery, covering strategy, architecture, execution, validation, optimization, and governance. Over three deep-dive days, participants learn to assess migration complexity and risk, select appropriate migration strategies, and confidently migrate schemas, data, procedural code, and applications from Oracle, SQL Server, and other legacy systems using vendor-neutral tools and real-world scenarios. The course emphasizes PostgreSQL internals, performance tuning, near-zero downtime approaches, automation with CI/CD pipelines, security, and production readiness, culminating in a capstone project that simulates a full enterprise migration, enabling participants to lead and deliver successful PostgreSQL migration initiatives

Modules

- PostgreSQL Migration Landscape (Conceptual Foundation)
- Migration Methodologies & Strategies
- PostgreSQL Architecture for Migrators
- Migration Assessment & Discovery

PogtgreSQLCert

Certified PostgreSQL Database Migration Specialist (CPDMS)



- Migration Tooling Ecosystem (Vendor-Neutral)
- Oracle to PostgreSQL Migration – Deep Dive
- Oracle PL/SQL to PostgreSQL PL/pgSQL
- Oracle Data Migration Techniques
- SQL Server to PostgreSQL Migration
- T-SQL to PostgreSQL Conversion
- SQL Server Data Migration & Validation
- Legacy & Heterogeneous Database Migrations
- Application Migration & Compatibility
- Performance Tuning Post-Migration
- Validation, Testing & Cutover
- Migration Automation & CI/CD
- Security, Compliance & Governance
- CPDMS Capstone Migration Project

Recommended experience -

- Hands-on working knowledge of SQL and experience with at least one enterprise RDBMS such as Oracle, SQL Server, or MySQL
- Basic understanding of Linux systems and networking fundamentals relevant to database environments Postgresql Migration Specialist…
- Prior experience in database administration, architecture, cloud/platform engineering, or modernization and migration projects is strongly recommended

Target Audience

- Senior Database Administrators (Oracle, SQL Server, MySQL)
- Database Architects
- Cloud & Platform Engineers
- Migration Consultants
- SRE / DevOps Professionals
- Technical Leads managing database modernization initiatives

Click here to register Group traiining

PogtgreSQLCert
Amazon RDS

PostgreSQL is a powerful, open-source object-relational database system that uses and extends the SQL language combined with many features that safely store and scale the most complicated data workloads. The origins of PostgreSQL date back to 1986 as part of the POSTGRES project at the University of California at Berkeley and has more than 30 years of active development on the core platform.

Modules

How to set up an Amazon RDS

- Amazon RDS Deployments
- Pre-configured Parameters
- Monitoring and Metrics
- DB Event Notifications
- Automatic Software Patching
- Create a new lesson

Performance

1. General Purpose (SSD)
2. Provisioned IOPS (SSD)
3. Create a DB Instance
4. Backup & Recovery
5. DB Snapshots
6. Automated Backups
7. Point-in-time restores and backups
8. Push-Button Scaling
9. Storage and IOPS
10. DB Instance Class

PogtgreSQLCert
Amazon RDS

- Replication
- Read Replicas
- Multi-AZ Deployments
- Isolation and Security
- Using SSL to connect to a DB instance running PostgreSQL
- Amazon RDS for PostgreSQL and Compliance with many industry standards

Recommended experience -

- Basic Structured Programming Knowledge or experience
- Linux or Windows OS
- PostgreSQL basics and/or SQL basics

Target Audience

- Database Developers
- Database Administrators
- Database Architects

Compliance Industry Standards:

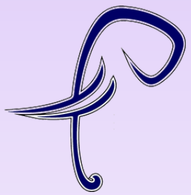
- Amazon RDS for PostgreSQL databases to build HIPAA-compliant applications
- Storing healthcare related information, including protected health information (PHI)
- Amazon RDS for PostgreSQL & FedRAMP
- PostgreSQL Features Supported by Amazon RDS
- PostgreSQL Features Supported
- PostGIS
- Language Extensions
- Full Text Search Dictionaries
- HStore, JSON Data Types
- pg_stat_statements
- Foreign data wrappers
- Core PostgreSQL engine features

PogtgreSQLCert
Linux Essentials for PostgreSQL DBAs

PostgreSQL is a powerful, open-source object-relational database system that uses and extends the SQL language combined with many features that safely store and scale the most complicated data workloads. The origins of PostgreSQL date back to 1986 as part of the POSTGRES project at the University of California at Berkeley and has more than 30 years of active development on the core platform.

Modules

1. Introduction to Linux
2. GNU/Linux Distributions
3. The Linux Foundation
4. Linux Philosophy and Concepts
5. Linux Structure and Installation
6. Graphical Interface
7. System Configuration From The Graphical Interface
8. Systems Monitoring



PogtgreSQLCert
Linux Essentials for PostgreSQL DBAs

9. Finding Linux Documentation
10. Command Line Operators
11. File Operations
12. User Environment
13. Users and Permissions
14. Filesystem management
15. Text Editors
16. Local Security Principles

Recommended experience -

- Basic SQL & Linux OS

Target Audience

- Existing Oracle, MySQL or Microsoft DBA’s or new candidates interested in joining the DBA world!

PogtgreSQLCert
Upgrading to PostgreSQL

PostgreSQL.org released the new version of PostgreSQL 16 on November 9, 2023, the world's most advanced open source database. PostgreSQL 16.X is now available with many impressive , beneficial and critical improvements to query performance (particularly over larger data sets and overall space utilization) among other important features.

Modules

- Introduction to Database upgrades
- • Various Methods
- • pg_upgrade tool
- Why Upgrading Postgres Is Complex
- Release History
- Major enhancements in PostgreSQL
- Preparing for upgrade
- Upgrade without Downtime
- pg_dump utility (logical backup)

PogtgreSQLCert

Upgrading to PostgreSQL

- Querying Remote servers with DbLink and Bulk Insert
- Foreign Data Wrappers(postgres_fdw)
- Creating a foreign table with postgres_fdw
- Create a foreign table with CREATE FOREIGN TABLE
- Pglogical
- Architectural details
- Why Pg_Upgrade & Usage
- Compatibility Matrix
- Postgresql 8.3 upgrade limitations
- Upgrade options
- Upgrade Syntax
- Standby Setup
- Post upgrade steps
- Sample Run: Performance Consistency Checks
- Sample Run: Performing Migration
- Sample Run: Completion
- Possible Data Format Changes

Recommended experience -

- Basic SQL & Linux OS

Target Audience

- Existing Oracle, MySQL or Microsoft DBA’s or new candidates interested in joining the DBA world!

PostgreSQLCert

Get an Edge, Get Certified

www.postgresqlcert.com

Ph: 630-684-0355

E-mail: info@postgresqlcert.com

For group training (More Information)

https://postgresqlcert.com/group-registration/

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