DP-3021 Configure and migrate to Azure Database for PostgreSQL

Category: AI, Data & Analytics | **Vendor:** Microsoft Technical

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Applied Skills: Configure and migrate to Azure Database for PostgreSQL
Related Exam:	DP-3021

Course Overview

Azure Database for PostgreSQL is a Platform as a Service database service in the Microsoft cloud. It bases itself on the PostgreSQL open-source relational database and includes built-in high availability, automatic backup and restore, as well as comprehensive security features. The pay-as-you-go pricing model provides predictable performance and near-instant scaling. In this learning path, you learn the main features of PostgreSQL and how they work in Azure Database for PostgreSQL. You learn about the different Azure Database for PostgreSQL implementation options, and how to configure a server for your needs.

About This Course

Azure Database for PostgreSQL is a Platform as a Service database service in the Microsoft cloud. It bases itself on the PostgreSQL open-source relational database and includes built-in high availability, automatic backup and restore, as well as comprehensive security features. The pay-as-you-go pricing model provides predictable performance and near-instant scaling. In this learning path, you learn the main features of PostgreSQL and how they work in Azure Database for PostgreSQL. You learn about the different Azure Database for PostgreSQL implementation options, and how to configure a server for your needs.

Prerequisites & Entry Requirements

General Prerequisites:

- Demonstrate an understanding of relational databases.
- Demonstrate an understanding of basic SQL.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course ObjectivesExplore PostgreSQL architectureUnderstand client-server communication in PostgreSQLUnderstand PostgreSQL query processingSecure Azure Database for PostgreSQLProcedures and functions in PostgreSQLUnderstand write-ahead loggingConfigure and manage Azure Database for PostgreSQLUnderstand concurrency in PostgreSQLTune queries in Azure Database for PostgreSQLMigrate to Azure Database for PostgreSQL flexible server, Course ObjectivesExplore PostgreSQL architectureUnderstand client-server communication in PostgreSQLUnderstand PostgreSQL query processingSecure Azure Database for PostgreSQLProcedures and functions in PostgreSQLUnderstand write-ahead loggingConfigure and manage Azure Database for PostgreSQLUnderstand concurrency in PostgreSQLTune queries in Azure Database for PostgreSQLMigrate to Azure Database for PostgreSQL flexible server, Course ObjectivesExplore PostgreSQL architectureUnderstand client-server communication in PostgreSQLUnderstand PostgreSQL query processingSecure Azure Database for PostgreSQLProcedures and functions in PostgreSQLUnderstand write-ahead loggingConfigure and manage Azure Database for PostgreSQLUnderstand concurrency in PostgreSQLTune queries in Azure Database for PostgreSQLMigrate to Azure Database for PostgreSQL flexible server, Course ObjectivesExplore PostgreSQL architectureUnderstand client-server communication in PostgreSQLUnderstand PostgreSQL query processingSecure Azure Database for PostgreSQLProcedures and functions in PostgreSQLUnderstand write-ahead loggingConfigure and manage Azure Database for PostgreSQLUnderstand concurrency in PostgreSQLTune queries in Azure Database for PostgreSQLMigrate to Azure Database for PostgreSQL flexible server, Course ObjectivesExplore PostgreSQL architectureUnderstand client-server communication in PostgreSQLUnderstand PostgreSQL query processingSecure Azure Database for PostgreSQLProcedures and functions in PostgreSQLUnderstand write-ahead loggingConfigure and manage Azure Database for PostgreSQLUnderstand concurrency in PostgreSQLTune queries in Azure Database for PostgreSQLMigrate to Azure Database for PostgreSQL flexible server, Course ObjectivesExplore PostgreSQL architectureUnderstand client-server communication in PostgreSQLUnderstand PostgreSQL query processingSecure Azure Database for PostgreSQLProcedures and functions in PostgreSQLUnderstand write-ahead loggingConfigure and manage Azure Database for PostgreSQLUnderstand concurrency in PostgreSQLTune queries in Azure Database for PostgreSQLMigrate to Azure Database for PostgreSQL flexible server, Course ObjectivesExplore PostgreSQL architectureUnderstand client-server communication in PostgreSQLUnderstand PostgreSQL query processingSecure Azure Database for PostgreSQLProcedures and functions in PostgreSQLUnderstand write-ahead loggingConfigure and manage Azure Database for PostgreSQLUnderstand concurrency in PostgreSQLTune queries in Azure Database for PostgreSQLMigrate to Azure Database for PostgreSQL flexible server, Course ObjectivesExplore PostgreSQL architectureUnderstand client-server communication in PostgreSQLUnderstand PostgreSQL query processingSecure Azure Database for

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Detailed Course Outline

1 - Explore PostgreSQL architecture

- Describe Azure Database for PostgreSQL
- Understand PostgreSQL architecture
- Understand PostgreSQL shared memory
- Module assessment

2 - Understand client-server communication in PostgreSQL

- Understand connection handling
- Understand the PostgreSQL client tools
- Module assessment

3 - Understand PostgreSQL query processing

- Identify the query processing components
- Understand the EXPLAIN statement
- Module assessment

4 - Secure Azure Database for PostgreSQL

- Describe Azure Database for PostgreSQL security
- Describe built-in Azure Database for PostgreSQL server roles
- Grant permissions in Azure SQL Database for PostgreSQL
- Understand encryption in Azure Database for PostgreSQL
- Module assessment

5 - Procedures and functions in PostgreSQL

- Create a stored procedure in Azure Database for PostgreSQL
- Call a stored procedure in Azure Database for PostgreSQL
- Create and use a function in Azure Database for PostgreSQL
- Module assessment

6 - Understand write-ahead logging

- Describe write ahead logging
- Describe replication and logical decoding
- Module assessment

7 - Configure and manage Azure Database for PostgreSQL

- Understand the system catalogs and system views
- Investigate metadata with system catalogs and system views
- Explain the purpose of vacuum and autovacuum
- Configure autovacuum server parameters
- Module assessment

8 - Understand concurrency in PostgreSQL

- Understand multi-version concurrency control (MVCC) and snapshots
- Describe isolation levels
- Understand locking
- Module assessment

9 - Tune queries in Azure Database for PostgreSQL

- Understand statistics
- Assess query performance with the Query Store
- Module assessment

10 - Migrate to Azure Database for PostgreSQL flexible server

- Compare online and offline migrations
- Identify migration tool options
- Analyze the decision criteria for tool selection and migration model
- Module assessment

, Explore PostgreSQL architecture, Understand client-server communication in PostgreSQL, Understand PostgreSQL query processing, Secure Azure Database for PostgreSQL, Procedures and functions in PostgreSQL, Understand write-ahead logging, Configure and manage Azure Database for PostgreSQL, Understand concurrency in PostgreSQL, Tune queries in Azure Database for PostgreSQL, Migrate to Azure Database for PostgreSQL flexible server

□□ Certification Path

Microsoft Applied Skills: Configure and migrate to Azure Database for PostgreSQL

Exam: DP-3021

Upcoming Schedule

Available training dates for DP-3021 Configure and migrate to Azure Database for PostgreSQL:

Start Date	End Date	Location	Delivery	Price
15 Dec 2026	15 Dec 2026	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for DP-3021 Configure and migrate to Azure Database for PostgreSQL?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The DP-3021 Configure and migrate to Azure Database for PostgreSQL course helps prepare you for the Microsoft Applied Skills: Configure and migrate to Azure Database for PostgreSQL certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the DP-3021 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day DP-3021 Configure and migrate to Azure Database for PostgreSQL course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the DP-3021 Configure and migrate to Azure Database for PostgreSQL training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for DP-3021 Configure and migrate to Azure Database for PostgreSQL?

Yes, we provide corporate training, dedicated training, and closed classes for DP-3021 Configure and migrate to Azure Database for PostgreSQL. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: DP-3021: Configure and migrate to Azure Database for PostgreSQL, Microsoft, vILT, DP-3021

Q: Why choose Nexus Human for DP-3021 Configure and migrate to Azure Database for PostgreSQL?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your DP-3021 Configure and migrate to Azure Database for PostgreSQL training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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