
Configure and migrate to Azure Database for PostgreSQL (DP-3021)

Cursusduur: 1 Dag Cursuscode: M-DP3021 Trainingsmethode: Virtual Learning

Beschrijving:

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.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Doelstelling:

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| ■ Students will learn to, | ■ Understand write-ahead logging |
| ■ Explore PostgreSQL architecture | ■ Configure and manage Azure Database for PostgreSQL |
| ■ Understand client-server communication in PostgreSQL | ■ Understand concurrency in PostgreSQL |
| ■ Understand PostgreSQL query processing | ■ Tune queries in Azure Database for PostgreSQL |
| ■ Secure Azure Database for PostgreSQL | ■ Migrate to Azure Database for PostgreSQL flexible server |
| ■ Procedures and functions in PostgreSQL | |
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Vereiste kennis en vaardigheden:

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| ■ Demonstrate an understanding of relational databases. | |
| ■ Demonstrate an understanding of basic SQL. | |
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Cursusinhoud:

Explore PostgreSQL architecture

- Describe the architecture of PostgreSQL.
- Describe the options for creating an Azure Database for PostgreSQL server.
- Understand PostgreSQL shared memory.

Understand client-server communication in PostgreSQL

- Understand connection handling.
- Understand the PostgreSQL client tools.

Understand PostgreSQL query processing

- Identify the query processing components.
- Understand EXPLAIN.

Secure Azure Database for PostgreSQL

- Describe the security features of Azure Database for PostgreSQL.
- Create database users and grant permissions.
- Understand encryption in Azure Database for PostgreSQL.

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.

Understand write-ahead logging

- Describe write-ahead logging.
- Describe replication and logical decoding.

Configure and manage Azure Database for PostgreSQL

- Describe system catalogs and system views in Azure Database for PostgreSQL.
- Investigate metadata in Azure Database for PostgreSQL.
- Explain the purpose of the vacuum process.
- Configure vacuum server parameters.

Understand concurrency in PostgreSQL

- Describe Multi-Version Content Control and snapshots in Azure Database for PostgreSQL.
- Describe isolation levels in Azure Database for PostgreSQL.
- Describe locking in Azure Database for PostgreSQL.

Tune queries in Azure Database for PostgreSQL

- Describe statistics in Azure Database for PostgreSQL.
- Assess query performance with the Query Store.

Migrate to Azure Database for PostgreSQL flexible server

- Understand the different online and offline migration options.
- Identify the different migration tools available.
- Select the appropriate migration tool for your specific scenario.

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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