

# DB2 11.1 Quickstart for Experienced Relational DBAs

Kód kurzu: CL487G

This course teaches you to perform, basic and advanced, database administrative tasks using Db2 11.1. These tasks include creating and populating databases and implementing a logical design to support recovery requirements. The access strategies selected by the Db2 Optimizer will be examined using the Db2 Explain tools. Various diagnostic methods will be presented, including using various db2pd command options. Students will learn how to implement automatic archival for database logs and how to plan a redirected database restore to relocate either selected table spaces or an entire database. The REBUILD option of RESTORE, which can build a database copy with a subset of the tablespaces, will be discussed. We will also cover using the TRANSPORT option of RESTORE to copy schemas of objects between two Db2 databases. The selection of indexes to improve application performance and the use of SQL statements to track database performance and health will be covered. This course provides a quick start to Db2 database administration skills for experienced relational Database Administrators (DBA). The lab demonstrations are performed using DB2 LUW 11.1 for Linux. For some lab tasks, students will have the option to complete the task using a DB2 command line processor, or using the graphical interface provided by IBM Data Server Manager.

## Pre koho je kurz určený

This is an intermediate course for experienced DBAs and technical individuals, with experience on other relational database platforms, who plan, implement, and maintain Db2 11.1 for Linux, UNIX, and Windows databases. These skills can also be utilized to support cloud based databases using Db2 on Cloud or Db2 Hosted environments.

## Čo Vás naučíme

This course teaches you to perform, basic and advanced, database administrative tasks using Db2 11.1. These tasks include creating and populating databases and implementing a logical design to support recovery requirements. The access strategies selected by the Db2 Optimizer will be examined using the Db2 Explain tools. Various diagnostic methods will be presented, including using various db2pd command options. Students will learn how to implement automatic archival for database logs and how to plan a redirected database restore to relocate either selected table spaces or an entire database. The REBUILD option of RESTORE, which can build a database copy with a subset of the tablespaces, will be discussed. We will also cover using the TRANSPORT option of RESTORE to copy schemas of objects between two Db2 databases. The selection of indexes to improve application performance and the use of SQL statements to track database performance and health will be covered. This course provides a quick start to Db2 database administration skills for experienced relational Database Administrators (DBA). The lab demonstrations are performed using DB2 LUW 11.1 for Linux. For some lab tasks, students will have the option to complete the task using a DB2 command line processor, or using the graphical interface provided by IBM Data Server Manager.

## Požadované vstupné znalosti

Participants should have the following skills:

- o Perform basic database administration tasks on a relational database system
- o Use basic OS functions such as utilities, file permissions, hierarchical file system, commands, and editor

State the functions of the Structured Query Language (SQL) and be able to construct DDL, DML, and authorization statements

Discuss basic relational database concepts and objects such as tables, indexes, views, and joins

These skills can be developed by taking:

- • DB2 SQL Workshop
- • DB2 Fundamentals

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## Študijné materiály

Príručka ku kurzu firmy IBM podľa programu kurzu.

### Osnova kurzu

Overview of Db2 11

Command Line Processor (CLP) and GUI Usage

The Db2 Environment • Creating Databases and Data Placement

Creating Database Objects

Moving Data

Backup and Recovery

Locks and Concurrency

Database Maintenance, Monitoring and Problem Determination

Security

Database Rebuild Support

Db2 Database and Table Space Relocation

Using Explain Tools

Using Indexes for Performance

Advanced Monitoring

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