

## Szkolenie: IBM Db2 for zOS Advanced Database Administration



### Cel szkolenia:

This course will introduce the student to advanced database administration skills, including program preparation and the use of packages, online schema changes, partition management, and stored procedures; as well as performance and availability features of utilities (including LOAD, REBUILD INDEX, REORG, and UNLOAD). This course does not cover distributed data processing, nor does it cover data sharing.

#### Program preparation and the use of packages part 1

- Program preparation overview
- Execution time errors
- BIND actions
- Package status and REBIND
- Deleting a package
- Determining the table/view qualifier

#### Online schema changes part 1

- Changing data type
- Adding columns to a table
- Renaming columns in a table
- Renaming indexes
- Adding columns to indexes
- Versioning

#### Online schema changes part 2

- Pending online schema changes
- Dropping columns from a table
- Converting to UTS
- Other pending changes
- Impact of pending changes on immediate options
- Restrictions and considerations

#### Partition management part 1

- Adding partitions
- Rotating partitions

#### Partition management part 2

- Modifying limit keys
- Rebalancing partitions

#### Stored procedures part 1

- External stored procedures
- WLM-established application environments
- Altering and dropping a stored procedure
- Commands for stored procedures
- Execution privileges
- Catalog information

#### LOAD and REBUILD INDEX

- LOAD with parallel index build
- LOAD partitions in parallel
- REBUILD INDEX
- Inline image copies and statistics
- LOAD SHRLEVEL CHANGE
- LOAD REPLACE SHRLEVEL REFERENCE

#### REORG

- Performance features of REORG
- Online REORG
- Inline image copies and statistics
- Consideratons for PBG table spaces
- Online REORG with LOBs (optional)

#### UNLOAD

- Overview
- Image copy specification
- Table-only input specification
- SHRLEVEL option
- Modes of operation

#### Program preparation and the use of packages part 2 (optional)

- Table mirroring
- Package versioning
- Plan management
- Other REBIND PACKAGE options
- Application compatibility

#### Stored procedures part 2 (optional)

- Native stored procedures
- Native procedure deployment

Students needing to augment their skill set in administering a Db2 12 for z/OS database environment.

## Plan szkolenia:

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### Wymagania:

- Familiarity with the z/OS operating system, including TSO, ISPF, and SDSF.
- Familiarity with SQL DML (SELECT, INSERT, UPDATE, DELETE, and MERGE) and DDL (CREATE, ALTER, DROP) statements
- Basic skills administering a Db2 12 for z/OS database environment, including the use of basic utilities, serialization, and basic database security.

### Poziom trudności

