

# zOS & DB2 Training: Mainframe Performance Tuning for z/OS (DB2PERF, 4 jours)

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## Description

The course Mainframe Performance Tuning for z/OS (zOS & DB2 Training) is an exploration of DB2 administration from concepts to data use & configuration. The training includes configuration related to availability, scalability & connectivity. You learn about SQL syntax, data sharing & integration and XML. This DB2 course also discusses utilities and a few useful tips & tricks.

## Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### About DB2

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Overview of DB2 Functions and Architecture  
About the Subsystem and Application functions  
About Operations and Performance  
About IBM zEnterprise System, System z and z/OS  
DFSMS Storage Tiers  
Additional Enhancements  
Using Compression

### Exploring Scalability

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Working with Extended RBA and LRSN  
Using NOT LOGGED with Declared Global Temporary Tables  
More Open Data Sets (DSMAX)  
About PBG Mapping Tables

### Exploring Availability

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Exploring Online Schema Changes  
About Recovery Options  
Automatic Index Recovery from GRECP or LPL status  
About Improved Availability when Altering Limit Keys  
Exploring Work File Database Enhancements  
About Parallel Processing of Utilities  
Compression Dictionary Availability for CDC Tables  
Exploring DROP Column Support  
Enhancements for Defer define object  
Break-In of Persistent Threads and BIND, REBIND, and DDL  
Idle Thread Break-In

### Data Sharing

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The Group Buffer Pool Write-Around Protocol  
Improved CASTOUT Processing  
Improved DELETE\_NAME Performance  
Restart light with CASTOUT  
About Locking  
Index Availability and Performance  
Group Buffer Pool Performance

Automatic LPL Recovery

Log Record Sequence Number Spin Avoidance

## SQL

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Introduction to SQL on DB2

Working with Global Variables

Working with Array Data Type

Aliases for SEQUENCES

New Built-In Functions

Working with SET CURRENT APPLICATION COMPATIBILITY

Working with Temporal Special Registers

Working with CUBE, ROLLUP and GROUPING SETS

Working with ALTER TABLE DROP COLUMN

Working with LIKE\_BLANK\_INSIGNIFICANT DSNZPARM

## Application Integration

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Ensuring Application Compatibility

Transparent Archiving of Temporal Data

Providing Support for Big Data

Using the Scoring Adapter

Using JavaScript Object Notation

Suppressing Null Indexes

## XML

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XML Technologies Overview

XQuery Support

XML Performance

XQuery FLWOR Expressions

Working with XMLTABLE

## Connectivity and Administration

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About Client Information

Cancel Thread and Cancel SQL Statement

Continuous Block Fetching

Support for Global Variables

Local Stored Procedure Execution

Multi-threaded Java Stored Procedure Environment

ADMIN\_COMMAND\_MVS Stored Procedure

Drivers, Clients, and Connectivity Requirements

## Utilities

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Online REORG enhancements

Running Statistics

Backup and Recovery

LOAD and UNLOAD

Compression Dictionaries for Change Data Capture