



CV963G: DB2 11 for z/OS Application Performance and Tuning

Listenpreis

4.000,00 € exkl. MwSt

4.760,00 € inkl. MwSt

Dauer

5 Tage

Leistungen Präsenz

- Schulung im Trainingscenter
- Verpflegung
- Teilnahmebestätigung / Zertifikat

Leistungen bei VCL Training

- Technischer Support
- Online Zugang
- Teilnahmebestätigung / Zertifikat

Ihre Ansprechpartnerin



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Inhalte

- Introduction to Application Performance and Tuning
- List common causes of application performance problems
- Evaluate different approaches for detecting the problems
- Describe possible solutions
- Performance Analysis Tools
- Understand components of local response time (LRT)
- Identify touch random (TR), touch sequential (TS), and fetch (F) time costs
- Utilize VQUBE3 to estimate local response time (LRT)
- Locate necessary time values in an accounting trace report
- Draw and interpret a bubble chart
- Towards Better Indexes
- Understand DB2 index structure and usage
- Evaluate the cost of creating a new index or modifying an existing index
- Design the best possible index for a single table query
- Describe prefetch operations and multi-index access
- Multiple Table Access
- Identify various join methods and join types
- Predict table join order
- Design the best indexes for joining tables
- Optimize correlated and non-correlated subqueries
- Utilize UNION, INTERSECT, and EXCEPT operations
- Towards Better Tables
- Evaluate clustering alternatives
- Understand basic rules of normalization
- Consider conditions for denormalization
- Define materialized query tables
- Learning to Live with the Optimizer
- Describe the limitations related to dangerous predicates
- Identify situations when the optimizer needs help with filter factor estimates
- Massive Batch
- Detect performance problems with massive batch jobs
- Make batch jobs run faster
- Locking Issues
- Describe DB2 serialization
- Understand transaction locking

Kursinformationen



- Avoid locking problems in application design
 - Course Summary
 - Summarize the topics covered in this course
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Ziele

- Design better indexes
 - Determine how to live with the optimizer (avoid pitfalls, help when necessary)
 - Avoid locking problems
 - Use accounting trace information to find significant performance problems in an operational application
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Zielgruppe

Anwendungsentwickler

Voraussetzungen

- Familiarity with DB2 for z/OS application programming and SQL.
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