



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# Informix 12.10 Database Administration

**CODE:**            **DURÉE:**            **PRIX H.T.:**

IX223G            32 Hours (4 Jours)            €2,990.00

## Description

In this course, students will learn the basic concepts of data management with Informix 12.10. They will learn how to create, manage, and maintain tables and indexes; how the Informix Optimizer works; and how to use the SET EXPLAIN feature to determine query effectiveness.

## Objectifs

Please refer to course overview

## Audience

The main audience for this course is Informix Database Administrators. It is also appropriate for Informix System Administrators and Informix Application Developers.

## Prérequis

Students in this course should satisfy the following prerequisites:

- IX101 - Introduction to Informix terminology and data types (or equivalent experience or knowledge)
- Knowledge of Structured Query Language (SQL)
- Experience using basic Linux functionality

## Programme

Unit 1 - Creating databases and tables

- Databases
- Tables
- DBSCHEMA, ONCHECK, and ONSTAT
- Sysmaster

Unit 2 - Altering and deleting databases and tables

- ALTER
- Data space reclamation
- Renaming
- Dropping

Unit 3 - Creating, altering, and dropping indexes

- Indexes
- Sysmaster
- Forest of trees

Unit 4 - Managing and maintaining indexes

- Benefits and costs
- Guidelines
- Calculating size

Unit 5 - Table and index partitioning

- Fragmentation
- Distribution schemes
- Sysmaster

Unit 6 - Maintaining table and index partitioning

- ALTER FRAGMENT

## Unit 7 - Cost-based query optimizer

- Access plan
- Join methods
- EXPLAIN
- Scans

## Unit 8 - Updating statistics and data distributions

- UPDATE STATISTICS
- Distribution information
- Process
- Updating statistics

## Unit 9 - Managing the optimizer

- Optimization options
- Directives

## Unit 10 - Referential and entity integrity

- Integrity
- Constraints

## Unit 11 - Managing constraints

- Transaction modes
- Dropping a constraint

## Unit 12 - Modes and violations detection

- Object modes
- Disabling an object
- Recording violations
- Sysmaster

## Unit 13 - Concurrency control

- Isolation
- Locks
- Row versioning

## Unit 14 - Data security

- Levels of data security
- Privileges
- Roles

## Unit 15 - Views

- Working with views
- WITH CHECK OPTION
- Sysmaster

## Unit 16 - Introduction to stored procedures

- Stored procedures
- Sysmaster

## Unit 17 - Triggers

- Working with triggers
- Triggers and stored procedures
- Dropping a trigger
- Cursors and triggers
- Triggers and constraint checking
- Sysmaster
- Managing triggers

## Appendix A - Terminology

- Terminology

## Appendix B - Data types

- Data types

## Appendix C - XML publishing

- XML publishing

## Appendix D - Basic Text Search DataBlade Module

- BTS DataBlade Module

## Appendix E - Node DataBlade Module

- Node DataBlade Module

## Appendix F - Using Global Language Support

- Using GLS

## Dates de session

Sur demande. [Merci de nous contacter](#)

## Informations

## Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.