



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Informix 12.10 Database Administration SPVC

<b>CODE:</b>	<b>DURÉE:</b>	<b>PRIX H.T.:</b>
ZL1_2X223	4 Jours	€1,200.00

## Description

**Contains:** PDF course guide, as well as a lab environment where students can work through demonstrations and exercises at their own pace.

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.

If you are enrolling in a Self Paced Virtual Classroom or Web Based Training course, before you enroll, please review the Self-Paced Virtual Classes and Web-Based Training Classes on our Terms and Conditions page, as well as the system requirements, to ensure that your system meets the minimum requirements for this course. <http://www.ibm.com/training/terms>

## 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

## Informations supplémentaires

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process:

<http://w3.ibm.com/services/gbs/evita/BCSVTEurl.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price
- The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

## Dates de session

Date	Lieu	Time Zone	Langue	Type	Garanti	PRIX H.T.
26 Nov 2021			English	Self Paced Training		€1,200.00

## Informations Complémentaires

[Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.](#)