

Informix for Database Administrators

Course Summary

Description

This course is for experienced database administrators, programmers, and technical support personnel who will be setting up, managing, and tuning Informix 14, 12, 11, 10, 9 or 7 databases.

Topics

- Informix Server Configuration
- Informix Server Operations
- Informix Server Optimization
- Database Development

Prerequisite

Requires a basic understanding of UNIX and vi commands and SQL databases.

Duration

Four Days

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Course Outline

- I. *Informix Server Configuration***
 - A. Understanding the Informix Server architecture
 - B. Configuring and initializing Informix
 - C. Configuring disk space for databases
 - D. Configuring shared memory parameters
 - E. Configuring virtual CPUs
 - F. Configuring network and client/server connections to databases
 - G. Changing Informix operating modes
 - H. Configuring multiple database servers

- II. *Informix Server Operations***
 - A. Monitoring and operating Informix
 - B. Backing up Informix databases
 - C. Recovering Informix databases
 - D. Managing concurrence control
 - E. Managing transaction logs
 - F. Managing fault tolerance systems
 - G. Using the Informix utilities
 - H. Using the System Monitoring Interface (sysmaster database)
 - I. Using data load utilities

- III. *Informix Server Optimization***
 - A. Analyzing Informix performance and system activity
 - B. Using the graphical monitoring tools
 - C. Understanding the query optimizer
 - D. Optimizing performance with indexes
 - E. Optimizing disk and database space layout
 - F. Managing memory and CPU resources

- IV. *Database Development***
 - A. Creating tables, indexes, and databases
 - B. Calculating table and database sizes
 - C. Implementing referential integrity
 - D. Controlling data security
 - E. Using the Informix system tables