

Advanced IBM Informix IDS Performance Tuning and Optimization

This 4-day course is for IDS database administrators and application developers who will be responsible for installing, managing, optimizing and tuning an IDS Database Server. The focus is on practical skills, procedures, and scripts to improve the performance of your database server. In addition to your new skills, the course will provide a toolkit of scripts and utilities to start monitoring and optimizing your IDS database server. The course is taught by Lester Knutsen, Principal Database Consultant and President, Advanced DataTools. *This course can also be customized and taught onsite to meet your specific needs.*

- **New Features in Informix IDS 10 and IDS 11**
 - New ONCONFIG Parameters
 - New Performance Tuning Guidelines
- Introduction to Performance Tuning and Optimizing
 - A Checklist for Troubleshooting IDS Performance
- Optimizing the IDS Server Configuration
 - Tuning OLTP Systems
 - Tuning Data Warehouse Systems
 - Tuning Data Loads
 - Managing and Tuning Client-Server Database Access
- Tuning Dbspaces, Chunks, and Disk Layouts
 - Enable Large Chunks
- IDS Server Monitoring Utilities
 - Using the Onstat Utility for Performance Tuning
 - Using the Oncheck Utility for Performance Tuning
- Managing Logs
 - Tuning the Physical Log
 - Tuning the Logical Log
- Sizing Tables and Fragmentation
 - Tuning Table Fragmentation
 - Improve Performance Using Optimized IDS Data Types
 - Improve Performance Through Sizing Tables and Extent Planning
- Using and Tuning Indexes
 - Tuning Index Builds
- Managing and Tuning Update Statistics
- Managing and Tuning Parallel Data Query
- Optimization and Tuning SQL Statements – SET EXPLAIN
 - Optimization and Tuning SQL Statements
 - Tuning Sorts
- Performance Optimization of Unix for Databases
- IDS Server Monitoring Using the Sysmaster Database

Course Labs:

The course includes 12 hands on labs with exercises for students to implement and practice the concepts taught in this class. The labs are taught as a performance tuning benchmark where students work on improving the performance of a base system.

Prerequisites:

This is an advanced course and requires an understanding of, and experience with, managing Informix IDS. Proficiency in SQL, UNIX commands, and the vi editor is required. Hands-on experience administering an Informix IDS server is helpful, or the following IBM courses or equivalent are strongly recommended: IBM Informix Dynamic Server Administration course and/or Managing and Optimizing IBM Informix Dynamic Server Databases.

To Register and Schedule:

<http://www.advanceddatatools.com/Training/InformixCourseSchedule.html> or call 703-256-0267 x102. The course fee is \$2000 per person.

Advanced DataTools

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Get an IDS performance boost!

Lester Knutsen teaches IDS Performance Tuning

Updated to include ****new features**** in v11!

Lester Knutsen is well known throughout the Informix community as a regular speaker at the Informix and IBM Data Management conferences, and has over 20 years' of Informix consulting, performance tuning, and training experience. He is offering this course quarterly in the Washington DC area; the next session will be May 19-22.



Lester is President and Principal Database Consultant of Advanced DataTools and an IBM Gold Consultant, has worked with some of the largest civilian agencies of the federal government, and has been teaching his IDS Performance Tuning course for 10 years. In May at the IDUG Conference in Denver, Lester's presentation on "Exploring the Sysmaster Database" received the Best Overall Presentation award, voted by attendees. Lester enjoys teaching, and his training has consistently received outstanding reviews by participants because he brings hands-on, real world experience with production systems of all sizes to the lectures and labs, where you will do the real work of tuning.

What our customers say about Lester's training...

"Mr. Knutsen was the best instructor I've encountered for a software product in over 20 years – outstanding!! – Terry Lerch,
Calibre Systems

"Excellent job Lester ***** – Charlie Barker,
Highlands County (FL) Clerk of Courts

"Expert instructor. Excellent course materials. Great course as is!" – Bob Wetmore, **BAE Systems**

"Instructor is one of the best, and he optimized the course to our needs."
– **Lockheed Martin Mission Systems**

"Lester's Advanced IDS Perf Tuning course not only helped us identify performance bottlenecks in our OLTP environment but also address them and put control back in our hands, not the other way around."
– Eliezer Nebab, **Lazare-Kaplan**

"The course far exceeded the last Informix course I took as far as taking away useful notes and ideas to experiment with and implement – great job, Lester"
– Gary Bennett, **Harfs Food Stores**

"Lester is one of the best instructors I've ever had in a technical workshop." – Judy Peck,
Ohio Bureau of Worker's Comp

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