

Troubleshooting Your Database Using IB Console

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IB Console Overview

- Intro to IBConsole
- Examining the Data in Your Database
- Maintaining Your Database
- Monitoring Database Performance

Examining the Data in Your Database

- Via Data Tab on Table Properties Page
- Interactive SQL

Maintaining Your Database

- Checking/Setting Forced Writes, Sweep Interval
- Backup/Restore

Monitoring Database Performance

- Who is connected to the database? (Attachments)
 - How to determine where the user is connecting from (Host) and when they connected (Login Time)
 - Disconnecting a User (Shutdown)
- What are they doing? (Statements)
 - Using the Quantum value to determine which queries are busiest
 - Cancelling running statements

Monitoring Database Performance

- Viewing Database Statistics (Database)
 - Transaction Counters (Next and OIT) and how they affect Garbage Collection
 - Sweep Settings
- Troubleshooting Performance Issues
 - Transaction/Garbage Collection Issues
 - Long Running Transactions
 - Sweep disabled (Interval=0)

Monitoring Database Performance

- Troubleshooting Performance Issues (Cont'd)

- Query Issues

- Poorly optimized queries
- Queries that return very large result sets

Thank You!

Check your Survival Guide to find
the location of your next class.