

Performance Tuning for DBA's

Audience

This class is intended for DBA's who are need to get more performance out of their existing SQL Servers.

Time

This class is broken into 3 sessions 4 hours each.

Course Description

- Course Overview, Introduction to Performance Tuning, General Scaling Options
- Improving Performance with Indexes. Using Parameterized Queries.
- Big Tables, Big Indexes, and Big Queries, Creating Partitions
- Tuning queries for speed, Server Best Practices
- Procedure Cache, Monitoring your Database, Course Review

Class Sessions

Session 1 - 4 Hours

Topic: Getting started with Performance Tuning

- Course Overview
- Introduction to Performance Tuning
- General Scaling Options
- Tools
 - Execution Plan
 - Statistics IO
 - SQL Server Health Check Report
 - Others

Session 2 - 4 Hours

Topic: Indexes

- Improving Performance with Indexes. Using Parameterized Queries.

- Tuning Big Tables
- Tuning Big Indexes
- Finding and Removing [Duplicate Indexes](#)
- [Index Fragmentation](#)
- Creating Partitions

Session 3 - 4 Hours

Topic: More Performance

- Tuning queries for speed
- Server Best Practices
- Procedure Cache
- Monitoring your Database
- Finding and Analyzing Deadlocks
- Course Review

The [Database Health Reports](#) will be used as part of this class in order to help find some of the more serious server issues.

SQL Server Performance Tuning Help from Stedman Solutions, LLC

Steve Stedman

Freelance SQL Server Consultant

<http://stevestedman.com>

~~Stedman Solutions offers [one day](#), [three day](#) and [five day](#) performance tuning packages to help get your SQL Server running faster. With the help of the [Database Health Monitor](#), Stedman Solutions can help find the performance, CPU or I/O bottlenecks to improve the overall performance of your SQL Server.~~

Related Links

- [SQL Server Performance Tuning](#)
- [SQL Server Performance Tuning Tips](#)
- [Database Health Monitor](#)
- [Stedman Solutions, LLC](#)