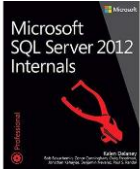


# 10987 SQL Server Performance Tuning and Optimization

## Additional Resources



Microsoft SQL Server 2012 Internals (Developer Reference) Nov 25, 2013

by Kalen Delaney and Bob Beauchemin

### Blogs:

Using Index Operational Stats to Drill Into High Latch and Lock Waits

<http://sqlmag.com/sql-server/using-index-operational-stats-drill-high-latch-and-lock-waits>

Using sys.dm\_os\_ring\_buffers To Diagnose Memory Issues in SQL Server

[https://blogs.msdn.microsoft.com/mvpawardprogram/2012/06/04/using-sys-dm\\_os\\_ring\\_buffers-to-diagnose-memory-issues-in-sql-server/](https://blogs.msdn.microsoft.com/mvpawardprogram/2012/06/04/using-sys-dm_os_ring_buffers-to-diagnose-memory-issues-in-sql-server/)

Wait statistics, or please tell me where it hurts

<http://www.sqlskills.com/blogs/paul/wait-statistics-or-please-tell-me-where-it-hurts/>

How to get index usage information in SQL Server

<https://www.mssqltips.com/sqlservertip/1239/how-to-get-index-usage-information-in-sql-server/>

Identifying Unused Indexes in a SQL Server Database

<http://www.foliotek.com/devblog/identifying-unused-indexes-in-a-sql-server-database/>

Spring Cleaning your Indexes

<http://www.sqlskills.com/blogs/kimberly/spring-cleaning-your-indexes-part-i/>

SQL Server Wait Types Library

<https://www.sqlskills.com/help/waits/>

SQL Server Performance Tuning Using Wait Statistics: A Beginner's Guide

<https://www.sqlskills.com/help/sql-server-performance-tuning-using-wait-statistics/>

How to examine IO Subsystem Latencies

<http://www.sqlskills.com/blogs/paul/how-to-examine-io-subsystem-latencies-from-within-sql-server/>

Free Download of SQL Sentry Plan Explorer Tool

<https://www.sentryone.com/plan-explorer>

Adam Machanic's sp\_WhoIsActive stored procedure download (free)

[http://sqlblog.com/blogs/adam\\_machanic/archive/2012/03/22/released-who-is-active-v11-11.aspx](http://sqlblog.com/blogs/adam_machanic/archive/2012/03/22/released-who-is-active-v11-11.aspx)