AUTOMATE & OPTIMIZE
DATABASE DEFRAGMENTATION

SQL defrag manager™

SQL defrag manager is a one-of-a-kind solution that automates the time-consuming process of finding and fixing database index fragmentation issues across multiple Microsoft® SQL Servers®. SQL defrag manager improves server performance by analyzing database index fragmentation levels, pinpointing fragmentation "hot spots" and taking action to defragment automatically, or at your command.

PRODUCT HIGHLIGHTS

- Automates analysis of index fragmentation levels
- Identifies fragmentation "hot spots"
- Takes action to defragment indexes automatically, or at user discretion
- Provides central management and detailed reporting

SQL defrag manager gives a consolidated view of fragmentation levels across all servers and data- bases, with the ability to drill down and take corrective action. SQL defrag manager also lets you customize how you want it to respond when fragmentation levels outside of the acceptable range are detected.

"One of the most difficult tasks in my day to day operations has been to maintain index optimization. SQL defrag manager allows me to configure automated index maintenance based on the fragmentation level of the individual indexes. The maintenance process runs each night, takes a fraction of the time it used to and has very little load impact. I find SQL defrag manager to be an indispensable tool in my day to day duties as a DBA." - SENIOR DBA, ONLINE PUBLISHING COMPANY

WHY SQL defrag manager?

SQL defrag manager is simple to install, configure and use across all your SQL Servers, from one server to an enterprise-scale implementation. DBAs view activity in real-time, quickly exposing fragmentation hot spots. SQL defrag manager provides three methods for performing fragmentation analysis or defragmentation: scheduled policy-based automation, semi-automated using a to-do list, and ad-hoc. SQL defrag manager provides reports and metrics from the enterprise level down to individual indexes. SQL defrag manager automation policies are like a DBA autopilot for fragmentation management across your entire enterprise. Tell it where to go and how to get there with as little or as much detail as you'd like.

KEY BENEFITS

Improve SQL Server Performance: As index fragmentation increases over time, performance degrades, response times slow, and I/O suffers. SQL defrag manager continuously monitors fragmentation levels and takes automated action to resolve fragmentation issues, resulting in better, more consistent server performance.

Automated Analysis: SQL defrag manager performs automated analysis of key fragmentation metrics to quickly pinpoint fragmentation hot spots, those areas where fragmentation is severely hindering performance.

"Smart" Policy-Based Remediation: SQL defrag manager provides three levels of automation for performing defragmentation:
  Policy-Based
   1. Automated: SQL defrag manager automatically takes action according to user-specified polices to attain desired fragmentation levels. Unlike brute force scripts or maintenance plans, SQL defrag manager takes the most appropriate actions at the best times.
   2. Semi-automated: SQL defrag manager generates to-do list items to highlight fragmentation problem areas. You can then address the issues how and when you want with the click of a button.
  Manual
   3. Ad-hoc: You can initiate fragmentation analysis manually, and initiate remediation actions at your own discretion.

Centralized Management: The SQL defrag manager management console provides a real-time window into fragmentation levels, and the ability to view and manage defragmentation activity across hundreds of servers and thousands of databases.

Comprehensive Reporting: SQL defrag manager provides comprehensive reporting of analysis and defragmentation activity, giving DBAs and managers the information they need to ensure that database performance is continuously optimized.

TECHNICAL FEATURES

Powerful, Automated Defragmentation Management

- **Flexible, customizable control of defragmentation:** Defrag processes can be triggered by fragmentation percentage or scan density, and prioritized based on fragmentation level, scan density, or index size. Additionally, defrag operations can be limited to the "top x" worst indexes, or by a "hard stop" time.

- **Policy-based management :** Defragmentation policies can be applied at the server, database or index level to apply the same defragmentation management policy to multiple objects all at once. Changing the policy changes the defragmentation approach across all objects simultaneously.

- **Automatic, Semi-Automatic or Ad-hoc:** Provides DBAs the option to run in "hands free "mode, approve suggested defragmentation actions, or define exactly how to perform defragmentation automatically.

- **Automatically Finds "Worst" Fragmentation Areas:** Allows you to simply and easily view from the server level down detailed metrics on individual indexes, providing simple and automated methods for detecting, prioritizing and fixing your "worst" fragmentation problems.

- **Detailed Metrics:** includes information such as fragmentation percentage, index and table size, free bytes, page density, defragmentation methods and post-run results, and time to execute.

- **Lightweight Collection:** Fragmentation details are intelligently collected based on customizable automation policies, keeping overhead on your monitored servers low.

- **Supports Multiple Levels of Operations:** can take action at the enterprise level across all SQL Servers or at a more fine grained level for tables and all attached indexes, specific indexes, or indexed views. Additionally, remediation actions can be customized by index size.

Enterprise Management Features

- **Central Enterprise Management Console:** Enables rapid configuration as well as real-time monitoring of activity. This makes it easy to manage and track fragmentation over a large number of servers.

- **Dynamic index discovery:** As databases, tables and indexes are created or deleted over time, SQL defrag manager automatically adds new objects and drops deleted objects on a daily basis.

- **Agent-less Architecture:** Includes a Management Console, Centralized Collection Service/Engine and Repository, and an Agent-less Management Service.

- **Reporting:** Built-in reports geared to technical or managerial audiences show worst fragmented servers, databases, or tables/indexes, reclaimed resources, and other key fragmentation related information.

- **Easy Installation and Use:** Installs quickly and supports a mixed environment of Windows integrated security and SQL Server native security. A typical installation and configuration will take less than 30 minutes.

SYSTEM REQUIREMENTS

MANAGEMENT CONSOLE
- Windows 2000 SP3+, Windows XP SP2+, Windows Server 2003 SP1+, Windows Server 2008, Windows Vista
- Microsoft .NET 2.0

MANAGEMENT SERVER & DATA REPOSITORY
- Windows 2000 SP3+, Windows XP SP2+ or Windows Server 2003, SP1+, Windows Vista
- Microsoft .NET 2.0
- Repository: SQL Server 2000 (all versions/ service packs) (32- & 64-bit), SQL Server 2005 (all versions/service packs) (32- and 64-bit)

SUPPORTED SQL SERVER ENVIRONMENTS (FOR DEFRAGMENTATION)
- SQL Server 2000 and SQL Server 2005
- SQL Server 2008 Pre-RTM (experimental)

SQL defrag manager does not install any components, DLLs, scripts, stored procedures or tables on the SQL Server instances being monitored

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TOOLS FOR SQL SERVER™