SQL SERVER FREE TOOLS

VidhyaSagar K

kvs1983@indiamvps.net

www.facebook.com/groups/cssug/

NEXT 45 MIN?

- Performance Analysis of Logs

- OpenDBiff– Comparision Utility

- SSMS Tools

- SQL Sentry Plan Explorer

- SQLIOSIM

- Ostress

- Backup Simulator

PAL

The PAL (Performance Analysis of Logs) tool is a powerful tool that reads in a performance monitor counter log and analyzes it using known thresholds.

Features

- Thresholds files for most of the major Microsoft products such as IIS, MOSS, SQL Server, BizTalk, Exchange, and Active Directory.

- An easy to use GUI interface which makes creating batch files for the PAL.ps1 script.

- A GUI editor for creating or editing your own threshold files.

- Creates an HTML based report for ease of copy/pasting into other applications.

- Analyzes performance counter logs for thresholds using thresholds that change their criteria based on the computer's role or hardware specs.

Download @ http://pal.codeplex.com/

OPENDBIFF

Open DBDiff is an open source database schema comparison tool for SQL Server 2005/2008.

Download @ http://opendbiff.cod eplex.com/

Open DBDiff can synchronize almost all objects

Open DBDiff can synchronize Tables (including Table Options like vardecimal, text in row, etc.)	Synonyms
Columns (including Computed Columns, XML options, Identities, etc.)	Schemas
Constraints	Store Procedures
Indexes (and XML Indexes)	Partition Functions/Schemes
XML Schemas	Users
Table Types	Roles
User Data Types (UDT)	File groups
CLR Objects (Assemblies, CLR-UDT, CLR-Store Procedure, CLR-Triggers)	Views
Triggers (including DDL Triggers)	Functions

SSMS TOOLS

SSMS add-in with lots of features loaded in it. It's supported in all SSMS versions till SQL Server 2012 and this utility is updated every 3 months.

SQL History	Execution Plan Analyzer
SQL Snippets	Window Connection Colouring
Format SQL	Search Database, Table or View data
Run script on multiple targets	New query template
Search Results in Grid Mode	Insert statement generator
Regions and Debug sections	CRUD stored procedure generation
Run custom scripts from Object Explorer	

Download @ http://www.ssmstoolspack.com

SQL SENTRY PLAN EXPLORER

- SQL Sentry Plan Explorer builds upon the graphical plan view in SQL Server Management Studio (SSMS) to make query plan analysis more efficient

- Features include color-coding that highlights potential trouble areas, multiple grids and other views to allow for sorting and deeper analysis, and collection of real runtime metrics with the generation of actual plans from within the tool.

- There are two versions of Plan Explorer: FREE and PRO. PRO includes all of the functionality in the FREE version, plus a set of features aimed at further enhancing your query tuning and troubleshooting experience.

- Download @ http://www.sqlsentry.net/plan-explorer/sql-server-query-view.asp

SQLIOSIM

- SQLIOSim is designed to generate exactly the same type and patterns of IO requests at a disk subsystem as SQL Server would, and verify the written data exactly as SQL Server would.

- Download

| X64 - http://download.microsoft.com/download/6/5/2/65286f65-bff2-42b8-b0c9-87f117855069/sqliosimX64.exe |
| IA86 - http://download.microsoft.com/download/3/8/0/3804cb1c-a911-4d12-8525-e5780197e0b5/SQLIOSimX86.exe |
| IA64 - http://download.microsoft.com/download/2/c/f/2cf8fb0a-a943-456b-9cf5-68ce426180a1/SQLIOSimIA64.exe |

OSTRESS

- OSTRESS is an multithreaded querying utility. This tools is used internally by Microsoft to simulate workloads.

- If you want to simulate a simple load test with N number of connections, this is the utility which is going to help you out. No need to write complex batch files or codes.

- This utility comes along with RML utilities, so download RML utilities and install it. You can download RML utilities from the link below

X86 - http://www.microsoft.com/downloads/details.aspx?FamilyId=7EDFA95A-A32F-440F-A3A8-5160C8DBE926&displaylang=en

X64 - http://www.microsoft.com/downloads/details.aspx?familyid=B60CDFA3-732E-4347-9C06-2D1F1F84C342&displaylang=en

BACKUP SIMULATOR

- When you use third party backup software's you might be facing issues taking online backups .All these software's communicate to SQL Server using SQL VDI for taking the backup.

- This utility is going to help us to find whether SQLVDI.DLL is working fine as expected.

- Connect to SQL Server and you can simulate backup or restore operation like how 3rd party software's work.

- Download it from the link below

http://archive.msdn.microsoft.com/sqlbackupsim/Release/ProjectReleases.aspx?ReleaseId=5648

THANK YOU!

Watch us @ www.facebook.com/groups/cssug/ or www.sql-articles.com/cssug/ for further updates.

Reach me @ kvs1983@outlook.com