

Article: Find the instance name using Task Manager Date: 23/03/2012 Posted by: HeelpBook Staff Source: Link Permalink: Link

## SQL Server – Find the Instance name using Task Manager

## **SCENARIO**

23/03/2012

Total Chars: 1276

Yesterday one of the servers which hosts 5 instances of **SQL Server 2005**, the **CPU** constantly hitting **100%** utilization. The Application team using the database on one of the 5 instances started complaining of poor performance.

The **DBA** connected to that instance to find out the *session(s)* causing the **CPU** to spike. But none of the processes on that instance were utilizing more CPU time. The **Task Manager** looked like this.

📮 Windows Task Manager 📃 🗆 🗙								
Eile Options View Help								
Applications Processes Performance Networking Users								
	Image Name	PID	User Name	CPU	Mem Usage			
	sqlservr.exe	2432	OCSSCOP	00	152,912 K			
	sqlservr.exe	2500	DEBESSING	00	152,760 K			
	sqlservr.exe	2652	DESEQUENCE	04	25,319,7			
	sqlservr.exe	2820	OC220ENe	21	4,958,41			
	sqlservr.exe	3148	DIDBOGLINE	02	6,773,67			

The **PID** column in **Task Manager** is not displayed by default. It needs to be selected via **Task Manager** -> **View** -> **Select Columns** menu item.

Select Columns	
Select the columns that will a of the Task Manager.	appear on the Process page
✓ Image Name	Page Faults Delta
PID (Process Identifier)	Virtual Memory Size
CPU Usage	Paged Pool
CPU Time	Non-paged Pool
Memory Usage	Base Priority
Memory Usage Delta	Handle Count

In my case **Process ID 2652** was using more **CPU**. How to find out to which instance does this **Process** belong to? I find the following two options to track down the Instance Name.

## **Using SQL Server Configuration Manager:**

On clicking on the *SQL Server Services* in SQL Server Configuration Manager, the details of SQL Server and related services along with the Process ID of each service is listed. The SQL Server Instance name is listed as *SQL Server (InstanceName)*.

Name	State	Sta 🛆	Log On As	Process I
SQL Server Integration Services	Running	Automatic	NT AUTHORITY\Net	1912
SQL Server FullText Search (FCFLIHIET)	Running	Automatic	COMPOSING Line	2180
SQL Server FullText Search (FORMING)	Running	Automatic	COV/#CERCIAR	2220
SQL Server FullText Search (###25000#1	Running	Automatic	C0%0C550.0m	2272
SQL Server FullText Search (FDCIIII)	Running	Automatic	COMPOSING Law	2304
SQL Server FullText Search	Running	Automatic	COV/#CERCIAN	2376
SQL Server Analysis Service	Running	Automatic	C0%0C550.0m	2416
SQL Server (HDM.II-HIPT)	Running	Automatic	COMPOSION AND	2432
SQL Server (HOHAIHSOL)	Running	Automatic	COV/#CERCILISH	2500
SQL Server (Humblequot)	Running	Automatic	C0%8C5583w	2652
SQL Server (FIDCIME)	Running	Automatic	COMPOSION AND	2820
SQL Server ( Called Hold)	Running	Automatic	COV/#CERCILAN	3148
SQL Server Agent	Running	Automatic	00%PC558.Agt	3684
SQL Server Agent	Running	Automatic	COMPOSIDE AND	3788
SQL Server Agent	Running	Automatic	DESIGN/MONT AL	3864
SQL Server Agent POIDER	Running	Automatic	00%PC558.Agt	7276
SQL Server Agent	Running	Automatic	DC005Apt@rof.ds	7316
SQL Server Browser	Running	Automatic	CONSIGNATION .	3956

## Using the SQL Server Error Log

In **SQL Server 2000**, **SQL Server Configuration Manager** is not available. The information regarding the **Process ID** can be obtained through the **SQL Server Error Log**.

LogDate	ProcessInfo	Text
2011-01-02 00:05:00.210	spid274	Microsoft SQL Server 2005 - 9.00.4053.00 (Intel IA-64)
May 26 2009 14:15:40	J	
Copyright (c) 1988-2	005 Microsoft	Corporation
Enterprise Edition (	64-bit) on Wi	ndows NT 5.2 (Build 3790: Service Pack 2)
2011-01-02 00:05:00.210	spid274	(c) 2005 Microsoft Corporation.
2011-01-02 00:05:00.210	spid274	All rights reserved.
2011-01-02 00:05:00.210	spid274	Server process ID is 2652.
2011-01-02 00:05:00.210	spid274	Authentication mode is MIXED.
2011-01-02 00:05:00.210	spid274	Logging SQL Server messages in file 'D:\Program Files\

Once the **SQL Server Instance** was located yesterday, the high **CPU** utilization was fixed relatively quickly. One of the scheduled job for **UPDATE STATISTICS** had run outside the **Maintenance Window**.

Stopping this job brought down the CPU utilization drastically.

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