

Re: freetexttable query never completes nor times out?

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Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.fulltext/2006-12/msg00062.html>

- *From:* "geek-y-guy" <noone@xxxxxxxxxxx>
 - *Date:* Sun, 17 Dec 2006 13:19:27 -0500
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Hello geek-y-guy,

Thanks for the feedback, Simon.

Are your statistics up to date.

How can I tell? Is there a maintenance plan I should be running to regularly update them? This is a dev server so I hadn't even been backing up either of these databases regularly.

With 2005 Full text provides estimations to the optimiser. However this means the optimiser may choose a nested loop to the full text index when it believes the rows in the other tables are small.

Full text does not perform with a nested loop because the search is done for each iteration (I believed), if your server doesn't have much memory you will have a huge IO issue.

The server's got 1 meg of RAM...but SQL2005's the only thing on it, and it receives very light use (no active websites are accessing it).

Try the freetexttable on its own.

```
SELECT Rank, [KEY] FROM FREETEXTTABLE(products,*, 'anvil',2000)
```

I believe I tried that, and the "executing query" ball just kept spinning...I'll see if I can recreate the problem.

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Simon Sabin
SQL Server MVP
<http://sqlblogcasts.com/blogs/simons>

How many hits are there to anvil? If there are many you might want to try to limit your results set using Containstable, ie

how many is "too many"? Is there any way to query the full-text catalog to find out?

There are only several dozen products with "anvil" in them, and less than 200 products altogether.

When I get properties for the FT catalog, it says:

"item count: 5568"
"unique key count: 16550"
"last indexed: 12/12/2006"
"catalog size: 0 MB"

```
SELECT DISTINCT p.p_id, p.p_name, p.p_desc, RANK
from products p
INNER JOIN (SELECT Rank, [KEY] FROM
FREETEXTTABLE(products,*,
'anvil',2000)) AS k
ON k.[key]=p.p_id
ORDER BY Rank DESC
```

The company I am currently working for is a heavy consumer of SQL FTS on several terrabytes of data. While we do get very long queries sometimes spanning days, for the most part the return quickly. It is difficult to determine if your problem is related to the number of hits being returned of a component hanging. The key it to see if you can reproduce it.

Hmmm...I have a somewhat larger dB on the same server that is a duplicate of this one, with the same structure but different data (these are both ecommerce stores). I just ran a similar query on that dB (this time from the actual ASP page that passes the query to the dB) and the same thing happened...the page timed out in the browser.

I also have SMS on the same client, and when I tried to get properties

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on the FT Catalog, SMS is also timing out...no properties pane opens. A number of taskbar alerts pop up saying "SQL SMS is busy waiting for a process to complete" or something like that, and nothing happens. I can repeatedly try to get "properties" for the FT Catalog but nothing ever happens...weird?

This is a testbed server that I use for development/staging before deploying the dB to a live server. The live server is also running the same version of SQL 2005, and I'm worried that if there's some sort of bug with FT Catalogs/Indexing it might be happening on the live data as well (which would be bad). I'm not seeing this behavior (yet) on the live server.

Once this happens, nothing seems to get the FreeTextTable queries working again except a server reboot.

This feels like a FT bug, because any queries or SMS activities unrelated to the FT Catalog or Index run immediately.

-- Hilary Cotter

Looking for a SQL Server replication book?

<http://www.nwsu.com/0974973602.html>

Looking for a FAQ on Indexing Services/SQL FTS

<http://www.indexserverfaq.com>

"geek-y-guy" <noone@xxxxxxxxxxxx> wrote in message
[news:%232Jy\\$EGIHHA.1124@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](news:%232Jy$EGIHHA.1124@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hi All:

server2003 R2 standard, sp1

Microsoft SQL Server Management Studio
9.00.2047.00

Microsoft Analysis Services Client Tools
2005.090.2047.00

Microsoft Data Access Components
(MDAC) 2000.086.1830.00
(srv03_sp1_rtm.050324-1447)

Microsoft MSXML 2.6 3.0 6.0

Microsoft Internet Explorer 6.0.3790.1830

Microsoft .NET Framework 2.0.50727.42

Operating System 5.2.3790

I have a simple freetexttable query that seems to run forever without timing out or returning results. It has worked in the past fine, so I'm wondering if it has something to do with the full-text

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catalog being corrupted or some other type of sql bug?

Only this query stalls...the SQL Server is still responding to other queries normally.

The query is simply:

```
SELECT DISTINCT p.p_id, p.p_name,  
p.p_desc, RANK from products p
```

```
INNER JOIN (SELECT Rank, [KEY]  
FROM FREETEXTTABLE(products,*,  
'anvil')) AS k ON k.[key]=p.p_id
```

```
ORDER BY Rank DESC
```

When I run this query in SMS, I get a green circle in the bottom pane "executing query" that never times out or returns any results? If I click the "cancel" red box I see canceling query but it also never progresses.

At that point, I closed SMS and it "forced" the query to cancel finally. I then attempted to restart SQL using the Service CP, saw the usual prompt to stop Agent as well, and then Service Control timed out while trying to stop SQL with an error 1053 ("service did not respond....")

The only way to get SQL back up was to restart the computer.

After restarting, the query works fine and executes immediately.

Is this behavior familiar to anyone, and is there a workaround other than rebooting the computer?

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