

## Re: How to clear memory usage after executing queries ?

**Source:**

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.programming/2004-12/5427.html>

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**From:** Paul fpvt2 (*Paulfpvt2\_at\_discussions.microsoft.com*)

**Date:** 12/23/04

Date: Thu, 23 Dec 2004 09:39:04 -0800

Thank you.

So even if the SQL Server memory usage reached 1.7 gig (the machine has 2 gig of memory), I should just leave this alone right?

Thanks.

"Tom Moreau" wrote:

> *The second query will likely pick up a lot of its data pages in cache, since  
> the first query put them there. SQL Server loves memory and the more you  
> feed it the merrier.*

>

> --

> *Tom*

>

> -----  
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> *"Paul fpvt2" <Paulfpvt2@discussions.microsoft.com> wrote in message  
> news:21BFB863-85BC-4DA4-93B6-58810CD95AA1@microsoft.com...*

> *Thank you all for your replies.*

> *Yes, I would like to keep the data in cache for subsequent queries, but I*

> *got scared when the memory usage reached 1.7 gig (the machine has 2 gig of*

> *memory). So, I should just leave this alone ?*

>

> *If I do query*

> *select distinct(packet\_contract) from packet, then do query*

> *select packet\_data from packet where packet\_time >= dateadd(hour, -96,*

> *getdate()) and packet\_contract = 'ABCD', will the cache be cleared because*

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> the 2nd query is a different query than the 1st query ?

>

> Thanks.

>

>

>

> "Tom Moreau" wrote:

>

>> You don't need to do that. SQL Server will take as much memory as it

> wants.

>> You can limit this with sp\_configure.

>>

>> --

>> Tom

>>

>>

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>> "Paul fpvt2" <Paulfpvt2@discussions.microsoft.com> wrote in message

>> news:2A608602-0DE6-46C8-971F-2F7F9C68ECF7@microsoft.com...

>> We have a SQL Server 2000 database that has about 10 million records. The

>> database has 1 table, and the table has 3 columns.

>> CREATE TABLE [dbo].[Packet] (

>> [PACKET\_TIME] [datetime] NOT NULL ,

>> [PACKET\_CONTRACT] [varchar] (8) NOT NULL ,

>> [PACKET\_DATA] [varchar] (2000) NOT NULL )

>>

>> I have a clustered indexed for column ([PACKET\_CONTRACT],[PACKET\_TIME]). I

>> found this index execute the query that I want the fastest.

>>

>> When I query the database, for example:

>> -select distinct(packet\_contract) from packet (Returns 600 records)

>> -select packet\_data from packet where packet\_time >= dateadd(hour, -96,

>> getdate()) and packet\_contract = 'ABCD' (returns 135,000 records)

>>

>> the memory usage for SQL Server shot up from 50,000 K to 275,000 K.

>> The database currently has about 4 million records.

>>

>> I tried the following statements, but the memory is still not cleared up:

>> -DBCC DROPCLEANBUFFERS

>> -dbcc freeproccache

>>

>> The only way to clear up the memory usage is by stopping SQL Server

> Service

>> Manager.

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> > *How can I clear up the memory usage after executing a query without*  
> *stopping*  
> > *SQL Server Service Manager ?*  
> > *Thanks a lot.*  
> >  
> >  
> >  
>  
>