

Re: Auto update statistics

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.server/2004-12/1632.html>

From: Andrew J. Kelly (*sqlmvpnoospam_at_shadhawk.com*)

Date: 12/14/04

Date: Tue, 14 Dec 2004 13:20:22 -0500

Bob,

Is it possible for you to email me directly? I have a question for you but don't know how to reach you.

Please remove the "noospam" from my reply address.

Thanks

--

Andrew J. Kelly SQL MVP

"Bob Castleman" <nomail@here> wrote in message
news:uTl8I7e4EHA.1260@TK2MSFTNGP12.phx.gbl...

> Our production environment hosts about 125 of our clients in a Citrix farm
> against two Active/Passive clusters. Probably 90% of the load occurs
> between 8:00 AM and 6:00 PM and we have a defined maintenance window of
> 12:00 AM to 5:00 AM. No single client has huge processing needs, but the
> aggregate load can get pretty heavy. We recently solved a problem that was
> sucking up processor cycles and limited the number of clients on a
> database server. We want to increase the number of clients per database
> server, so I am trying to identify things I can do before hand that might
> help keep things under control. We expect to triple or quadruple the
> number of clients we are hosting over the next 24 to 36 months so I am
> trying to get everything as stable as possible now instead of waiting for
> fires to start.

>
> We are also looking at tools for helping us profile usage patterns and
> things like that so we can start optimizing the queries and indexing. The
> application was not designed for a hosted environment and query
> optimization has been ad hoc in the past. It is highly likely that there
> are numerous inefficient queries.

>
> Thx,
>
> Bob

>
>
>
>

> "David Gugick" <davidg-nospam@imceda.com> wrote in message
> news:uxFc8EX4EHA.2012@TK2MSFTNGP15.phx.gbl...

>> Bob Castleman wrote:

>>> I've seen conflicting information about having auto-update
>>> statistics. On view was that having this on would cause spikes in

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>>> utilization whenever the auto update kicks in during peak load time,
>>> and so this option should be turned off and update statistics should
>>> be run via a job during off times. The other view was that it didn't
>>> matter.
>>> Any thoughts?
>>>
>>> Thanks
>>>
>>> Bob Castleman
>>> SuccessWare Software
>>
>> You're right that there is no clear consensus. Some customers do perform
>> statistics updates after hours. They may be doing this because the
>> database was around during the SQL 7 days or because the amount of data
>> loaded into tables during peak hours does not generall affect the
>> statistical distribution of data in those tables.
>>
>> If you have tables that are effected by large loads during work hours and
>> are worried that queries that access those tables are likely to use
>> inefficient plans because of outdated statistics, then keep the option
>> on. Certainly, running a bunch of inefficient queries will put more
>> stress on the server than allowing SQL Server to update statistics as it
>> sees fit. OTOH, if your tables are unaffected by large changes during the
>> day, you can update statistics at night (daily, weekly, or monthly as you
>> see fit).
>>
>> It all depends on your data and the queries hitting your data.
>>
>> What is you situation?
>>
>>
>> --
>> David Gugick
>> Imceda Software
>> www.imceda.com
>
>
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