

Re: Auto update statistics

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From: Bob Castleman (*nomail_at_here*)

Date: 12/14/04

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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 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 *inefficient plans because of outdated statistics, then keep the option on.*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?*
- >
- >
- > --
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