

Re: Inconsistent Performance of Insert

Source:

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

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Not much to go on but have you looked to see if you are being blocked when this is happening? How about disk and cpu queues?

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Andrew J. Kelly SQL MVP

"Chuck Hardy" <chardy@coreprofit.com> wrote in message
news:16c501c4a62e\$f11bbd90\$a601280a@phx.gbl...

> I am experiencing inconsistent performance when running
> insert statements.

>

> Our application automatically generates and sequentially
> executes SQL statements that build a results table. After
> loading data and running this process, all statements
> (about 125 in total) will execute in about 10 minutes. If
> it is necessary to rerun the statements I truncate the
> results table and rerun the job. In some cases this
> second job runs in 10 minutes, and in other cases it runs
> 6 hours. In particular, one statement takes an inordinate
> amount of time.

>

> I've used PROFILER (although I'm not too experienced in
> this) and can see that when statements are running
> normally the log file updates in the 1000+ per second
> range, but with the problematic statement updates are in
> the 10 per second range. These updates seem to appear
> after the commit statement is executed.

>

> In various combinations I've tried restarting SQLServer,
> updating statistics, defragging the hard drive, using
> query optimizer, all with no luck.

>

> Any ideas?

>

> Here's one of the statements that seems to get hung up:

>

> Table AV has 4 columns including a Record ID (RID), a
> record name (FID) and a record value (Value). This table
> will ultimately have approximately 4 million rows at the
> completion of the job.

>

> Table A contains a Record ID (RID) and a Process ID
> (PID). This table has approx. 100,000 records.

>

> INSERT INTO AV(RID, FID, Value) SELECT A.RID, 325, ISNULL
> (ZZTEMPA.Value, 0)+ISNULL(ZZTEMPB.Value, 0)+ISNULL

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```
> (ZZTEMPC.Value, 0)+ISNULL(ZZTEMPD.Value, 0)+ISNULL
> (ZZTEMPE.Value, 0) FROM A LEFT JOIN AV AS ZZTEMPA ON A.RID
> = ZZTEMPA.RID AND ZZTEMPA.FID = 496 LEFT JOIN AV AS
> ZZTEMPB ON A.RID = ZZTEMPB.RID AND ZZTEMPB.FID = 497 LEFT
> JOIN AV AS ZZTEMPC ON A.RID = ZZTEMPC.RID AND ZZTEMPC.FID
> = 499 LEFT JOIN AV AS ZZTEMPD ON A.RID = ZZTEMPD.RID AND
> ZZTEMPD.FID = 502 LEFT JOIN AV AS ZZTEMPE ON A.RID =
> ZZTEMPE.RID AND ZZTEMPE.FID = 504 WHERE (A.PID IN (275,
> 276, 277, 278, 279, 280, 281))
>
> I recognize that the same table AV is being joined
> multiple times, but it's my understanding that this should
> not be a problem.
>
> Thanks for any guidance on this.
>
```