

# Re: CommitBatchSize vs. CommitBatchThreshold for transactional dis

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<http://www.tech-archive.net/Archive/SOL-Server/microsoft.public.sqlserver.replication/2008-12/msg00011.html>

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  - *Date:* Wed, 3 Dec 2008 05:00:26 -0800 (PST)
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I strongly suspect this 1 off command is the commit command.

No bug here.

On Oct 28, 8:53 pm, "Gopal Ashok [MSFT]" <[gopalas...@xxxxxxxx](mailto:gopalas...@xxxxxxxx)> wrote:

Just had a chat with Paul on this one

Commithreshold is honored at a transaction boundary. Let's take the following example

```
Commitbatchsize 10
Commitbatchthreshold 20
```

```
Transaction1 has 19 commands
Transaction 2 has 11 commands
Transaction 3 has 5 commands
```

With the above setting, the distribution agent reader thread will set the commit flag for the command block after we read all the commands in transaction 2. This is because we check the commitbatch size and commitbatchthreshold after a transaction boundary is reached. We dont issue a commit after we read the first command (20th command in that batch) in transaction 2. So this commit batch on the subscriber will have committed 2 transactions with 30 commands even though the threshold is 20.

So the batch will be committed either when we hit the commitbatchsize OR when a transaction crosses the command threshold before the commitbatchsize is hit.

With regard to the threshold adding one more command that seems to be a bug.

Hope this helps.

"Paul Ibison" <[Paul.Ibi...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx\(donotspam\)](mailto:Paul.Ibi...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx(donotspam))> wrote in message [news:0A8275F6-3C9A-4388-AAF4-4DC7847E482C@xxxxxxxxxxxxxxxxxxxxx](mailto:news:0A8275F6-3C9A-4388-AAF4-4DC7847E482C@xxxxxxxxxxxxxxxxxxxxx)

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Definitely agree that there's some need for clarification (apart from the bug that is) and have raised up all this with MS to try to get a clearer picture so I can request BOL to be updated. Will update this thread when I know more.  
Many thanks,  
Paul Ibison, [www.replicationanswers.com](http://www.replicationanswers.com)