Subject: Performance problem
Posted by edortizq on Fri, 27 Feb 2009 04:46:32 GMT
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Mr. Marston, congratulations for your great job.
I have a performance problem with an ADD4 transaction, the performance generating records is about 5 records per second wich is very slow.
The loop that generates the $rows array has no database access and no complex calculations. Is there some way to improve the performance?? I'm generating batchs of 6000 records.
You can find the class file attached.
Thanks for advice.

File Attachments
1) ticket_genera.class.inc, downloaded 2466 times

Subject: Re: Performance problem
Posted by AJM on Fri, 27 Feb 2009 10:40:36 GMT
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If the loop which is causing the problem is not executing any framework code then the framework code is not the problem.

Have you run your script through a profiler to see where the delays are?

Subject: Re: Performance problem
Posted by edortizq on Fri, 27 Feb 2009 16:32:08 GMT
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The loop run fast, I'm affraid that the delay is associated with the insertMultiple function. I understand that _cm_getInitialDataMultiple (where the loop is) is executed before insertMultiple wich physically writes the records.
I can see the table growing up with the records inserted, and it's very slow.

Subject: Re: Performance problem
Posted by AJM on Fri, 27 Feb 2009 16:57:45 GMT
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Is the delay inside _cm_getInitialDataMultiple() where it is assembling the data, or in insertMultiple() where it adds the data to the database?

How much validation or pre/post processing is being done as each record is inserted?

How many indexes does the table being inserted to have?

Subject: Re: Performance problem
Posted by edortizq on Fri, 27 Feb 2009 17:23:04 GMT
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The delay is insertMultiple().
There is no validations or preprocessing.
There are only 2 database access for postprocessing .
The table has 4 foregein keys and it's primary key.

Subject: Re: Performance problem
Posted by AJM on Fri, 27 Feb 2009 18:02:05 GMT
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Do you have access to a profiler which can identify if the delay is in the framework code or the database? Without being able to identify where the problem is exactly, it would be impossible to identify an effective solution.

Subject: Re: Performance problem
Posted by AJM on Thu, 05 Mar 2009 10:11:26 GMT
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It is possible that all your database inserts are being slowed down because they are also being written to the AUDIT database. You can turn audit logging OFF for an individual task by placing the following code in the _cm_initialise() or _cm_getInitialDataMultiple() methods:

```
$this->audit_logging = false;
```

This will affect the current task only, so will leave audit logging ON (if it is configured to be ON) for all other tasks.