

Re: Performance

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If we are to assume that the code and DB model are optimal, and that we should focus on answering your question only. Your specific question is how does SQL scale OUT an OLTP. Scale out is generally a matter of adding more SQL servers and distributing (usually via code but distributed partitions is also an option) your database and/or functions across them. Sounds like your asking about creating a reporting ODS to pull the searches off to another server. By focusing only on scale out solutions you are confining the answers to expensive solutions.

Lets start with the basics.

What other applications are running on the server if any?

Is this SQL 2000?

Is this SQL Standard or Enterprise edition?

What's driving your high CPU?

How many recompiles and procedure cache misses are occurring?

Does your code have an abundance of non set oriented logic?

Is this code owned by someone else and you don't have the right to change it?

The more information you can provide the better advice the group can give.

Ray

"Shabam" <chalupa@yomama-nospam.com> wrote in message
news:2dadnQoD5ty8u6jfRVn-3A@adelphia.com...

>I have an application that allows for searches, but it appears when I

>stress

> test it with 50+ users the CPU utilization on the MS SQL server machine is

> hitting 100%. The machine is on RAID SCSI, running on 4GB of memory and

> dual AMD Opteron cpu's. I can get a more powerful machine, but not sure

> if

> that is the solution here.

>

> What are some methods to scale this thing out? Replicate the database and

> spread out the searches to multiple identical databases?

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