

Re: Ado SQL Concept question.

Source: <http://coding.derkeiler.com/Archive/Delphi/borland.public.delphi.database.ado/2004-03/0084.html>

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Date: 03/06/04

Date: Fri, 05 Mar 2004 22:29:49 -0600

>At this point I'm just 'stress' testing that area of my code. Since each
>user will make their own independent requests, I don't see how I can cache
>the data ahead of time. Once I get on a real database server (does MSDE
>count), I will try using stored procedures – would they help?

>

>Basically my application will need to pool the database connection, and
>serve internet users (web browsers). I have been allowed a request time of
>50ms for a single lookup. Each user/session may request information about
>any record in the database. So I'm trying to optimize the lookup area of
>my code. This lookup uses a file of only 153,000 records (100+ megs) and
>is only changed once a month. This is the simplest part of the application,
>other tasks will require multi-table lookup (joins) and multi-item
>(multi-point) – but I have 'lots' more time for those 200ms... LOL.

The answers to this is going to vary according to the database you are using.
For Access using serverside cursors in TableDirect mode and using the SEEK
method to find a record instead of a Query should be fastest way to do a lookup.

For SQL server (MDE) a query will be best.

>Oh, one key point I just thought of – this is always only READ operations –
>cursor type, maybe?

Cursor type can be forward only if you only need readonly but that won't get you
much when you are doing just single records selects.

SQL server does some tuning on the queries that get run so it can pick up some
speed

MSDE has a limit of 5 simultaneous processes so it won't be good for this
application if it gets a heavy load or records to select.

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