

# Re: Using a multi-index in VBA

---

*Source:*

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.formscoding/2005-04/msg02235.html>

---

- *From:* "Allen Browne" <[AllenBrowne@xxxxxxxxxxxxxxxx](mailto:AllenBrowne@xxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 19 Apr 2005 12:29:08 +0800
- 

Not sure there is a simple solution for your question, especially if other users are potentially inserting/deleting/editing between your 50k query runs, and especially with the way Access handles TOP.

Crucial factors might be:

1. Make sure you allow Windows as much swapfile space as it needs.
2. Make sure you maintain lots of free hard disk space on the drive that hosts your temp folder and swapfile.
3. Compact the database periodically.
4. Make sure all tables in the query have a primary key.
5. If necessary, create temp table to hold just the primary key value of the records you want to select, and then inner join this on the main query so as to give Access a simple and efficient selection group.

--

Allen Browne – Microsoft MVP. Perth, Western Australia.  
Tips for Access users – <http://allenbrowne.com/tips.html>  
Reply to group, rather than allenbrowne at mvps dot org.

"Dennis" <[Dennis@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Dennis@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:EB3F7FAA-D2C6-4660-A476-98A1F7585F72@xxxxxxxxxxxxxxxxxxxx](mailto:news:EB3F7FAA-D2C6-4660-A476-98A1F7585F72@xxxxxxxxxxxxxxxxxxxx)

> Oh, I forgot – back to my original issue:

>

> I have a LARGE table. Big. Huge. ;^)

>

> My goal is to limit the number of records read and processed at-a-time (to

> say, 50,000 or so), while maintaining the integrity of the sort. I have

> been

> getting "Out of Memory" errors. So is there some way that I can use

> something

> like OFFSET, LIMIT that will allow the sort to be maintained properly

> across

> multiple passes?

>

Re: Using a multi-index in VBA

> Thanks!  
>  
> "Allen Browne" wrote:  
>  
>> Dennis, you don't need to do anything.  
>>  
>> The Rushmore technology in JET (the query engine in Access) will  
>> automatically use the index if the ORDER BY clause matches the same  
>> fields  
>> in the same order.  
>>  
>> Rushmore is actually very good at using the indexes automatically.  
>>  
>>  
>> "Dennis" <Dennis@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
>> [news:623944F1-128A-43B6-924E-6010DFC80C79@xxxxxxxxxxxxxxxxxxxx](mailto:news:623944F1-128A-43B6-924E-6010DFC80C79@xxxxxxxxxxxxxxxxxxxx)  
>> >I created a multi-field index (named "Pass2Index") for a dataset. The  
>> >fields  
>> >are all the ones in the ORDER BY below:  
>> >  
>> > recSet.Open "SELECT \* from [Quarterly Data - Passed] WHERE [Year] = "  
>> > &  
>> > yearCounter & " ORDER BY [Procedure Code], [Major Program], " & \_  
>> > "[Recipient ID Num], [Service Date From], [Health Plan Pmt  
>> > Date], [Mod1], " & \_  
>> > "[Health Plan Claim Identifier], [Table Insert Date] DESC"  
>> >  
>> > Now, how do I actually USE that index in a SELECT statement as above?  
>> > What  
>> > do I need to change, and to what?  
>> >  
>> > Thanks!!

---

• **Follow-Ups:**

- ◆ **Re: Using a multi-index in VBA**  
◇ From: Dennis

• **References:**

- ◆ **Using a multi-index in VBA**  
◇ From: Dennis
- ◆ **Re: Using a multi-index in VBA**  
◇ From: Allen Browne
- ◆ **Re: Using a multi-index in VBA**  
◇ From: Dennis

- Prev by Date: **How to select an entire row And append it?**

Re: Using a multi-index in VBA

- Next by Date: ***Re: Form code fails when Openargs present...***
- Previous by thread: ***Re: Using a multi-index in VBA***
- Next by thread: ***Re: Using a multi-index in VBA***
- Index(es):
  - ◆ ***Date***
  - ◆ ***Thread***