

## Re: SQL and Filter

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**From:** Val Mazur (*group51a\_at\_hotmail.com*)

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Hi Lorne,

Using Filter is not a good idea unless recordset is disconnected. It would require roundtrips between the client and server. Best way is to use SELECT with WHERE clause, as in your second scenario. In most case, if you need to provide some sort of batch updating, you even could avoid opening of the recordset at all and do everything on a server side using action queries. Personally, I do not see any reason to select all 17000 records, because client probably will not work with all these records at same time. What are you trying to achieve in your case?

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Val Mazur
Microsoft MVP
"Lorne Merner" <lorne.merner@lhsc.on.ca> wrote in message
news:eFmSveCREHA.808@tk2msftngp13.phx.gbl...
>I have three recordsets opened from an SQL database. The common field for
> all three is ID. I open each recordset with CursorLocation = client,
> CursorType = OpenDynamic, LockType = Optimistic.
>
> Recordset one is Master with 17,000 records.
> Recordset two is Trainers with 4,000 records.
> Recordset three is Rooms with 4,000 records.
>
> We want all 17,000 master records returned and processed whether there are
> Trainers or Rooms Records but we want to retrieve the Trainers or Rooms
> records. With DAO using Seek, in the current Access Database, the
> processing is almost instant but using ADO it is very slow. The following
> is the scenarios:
>
> The AdoOpenRs subroutine just opens the recordsets to the above
> conditions.
>
> Dim MasterRs as ADODB.RecordSet
> Dim TrainersRs as ADODB.RecordSet
> Dim RoomsRs as ADODB.RecordSet
>
> AdoOpenRs("SELECT * FROM [Master]", MasterRs)
> AdoOpenRs("SELECT * FROM [Trainers]", TrainersRs)
> AdoOpenRs("SELECT * FROM [Rooms]", RoomsRs)
>
> ' Scenario 1 using filters.
> do until MasterRs.EOF = True
> TrainersRs.Filter = "
```

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```
> TrainersRs.Filter = "[ID] = '" + MasterRs("ID") + "'"
> RoomsRs.Filter = ""
> RoomsRs.Filter = "[ID] = '" + MasterRs("ID") + "'"
> MasterRs.MoveNext
> loop
>
> ' Scenario 2 using open recordset.
> do until MasterRs.EOF = True
>   AdoOpenRs("SELECT * FROM [Trainers] WHERE [ID] = '" + MasterRs("ID") +
>   "'", TrainersRs)
>   AdoOpenRs("SELECT * FROM [Rooms] WHERE [ID] = '" + MasterRs("ID") +
>   "'",
> RoomsRs)
>   MasterRs.MoveNext
> loop
>
>
> Scenario 2 is much faster than scenario 1. When using the filter in
> scenario 1 it took up to 3-4 seconds each filter which on 17,000 records
> is
> not fast. I always thought filters are processing recordsets which are in
> memory which should be instant.
>
> Either scenario is not even close to using the seek in DAO, it is almost
> instantaneous.
>
> I could use INNER JOINS but I need all the records in Master whether there
> are records in the other tables and I am on the understanding that would
> not
> be the case.
>
> Thanks for any thoughts.
> Lorne
>
>
```