Server-side solutions for getting a paging effect for queries on large tables.

<http://stackoverflow.com/questions/187998/row-offset-in-sql-server>

Is there any way in SQL Server to get the results starting at a given offset? For example, in another type of SQL database, it's possible to do:

SELECT \* FROM MyTable OFFSET 50 LIMIT 25

to get results 50-74. This construct does not appear to exist in SQL Server.

How can I accomplish this without loading all the rows I don't care about? Thanks!

[sql](http://stackoverflow.com/questions/tagged/sql) [sql-server](http://stackoverflow.com/questions/tagged/sql-server" \o ")

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[JPC selection of a good response. This is also the one with the most votes:]

If you will be processing all pages in order then simply remembering the last key value seen on the previous page and using TOP (25) ... WHERE Key > @last\_key ORDER BY Key can be the best performing method if suitable indexes exist to allow this to be seeked efficiently - or [an API cursor](http://dba.stackexchange.com/a/68280/3690) if they don't.

For selecting an arbitary page the best solution for SQL Server 2005 - 2008 R2 is probably ROW\_NUMBER and BETWEEN

For SQL Server 2012+ you can use the enhanced [ORDER BY](http://msdn.microsoft.com/en-us/library/ms188385%28SQL.110%29.aspx) clause for this need.

SELECT \*

FROM MyTable

ORDER BY OrderingColumn ASC

OFFSET 50 ROWS

FETCH NEXT 25 ROWS ONLY

Though [it remains to be seen how well performing this option will be](http://sqlblogcasts.com/blogs/sqlandthelike/archive/2010/11/10/denali-paging-is-it-win-win.aspx).

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