

Emulating the mySql limit function in MS SQL

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There are pro's and con's to both mySql and MS SQL, one of the pro's of mySql is the limit function. This allows you to set a starting record number, and select N number of records from there. But how can we do that in MS SQL?

This is usually used for pagination functions, IE SELECT the next N records from the current count.

Firstly declare two variables, a "rows per page" and a start record.

```
<cfset startpos = 10>
<cfset rowsperpage = 15>

DECLARE @rowsperpage INT

        DECLARE @start INT

        SET @start = #startpos#
        SET @rowsperpage = #rows#
```

Next we need to write the query we want, but wrap it in a parent select. Remember at this point to do all your conditional processing on the query inside the parenthesis.

```
SELECT * FROM

        (SELECT row_number() OVER (ORDER BY [intId]) AS rownum, *

                FROM [table]

where [table].intId = <cfqueryparam cfsqltype="cf_sql_integer" value="#arguments.i
```

Next we can apply a where clause that filters down the results based on the two variables declared at the top of the script. This means we will only get back the required number of records, starting at our defined record number.

```
Where tempQuery.rownum BETWEEN (@start) AND (@start + @rowsperpage)
Order by rownum
```

The whole script looks like this:

```
<cfset startpos = 10>
<cfset rowsperpage = 15>

DECLARE @rowsperpage INT

        DECLARE @start INT

        SET @start = #startpos#
        SET @rowsperpage = #rows#

        SELECT * FROM

                (SELECT row_number() OVER (ORDER BY [intId]) AS rownum, *

                        FROM [table]

Where [table].intId = <cfqueryparam cfsqltype="cf_sql_integer" value="#arguments.i

        Where tempQuery.rownum BETWEEN (@start) AND (@start + @rowsperpage)
        Order by rownum
```

I am selecting *, but I recommend that you actually list your fields here, I tweaked it for this entry.

Not quite as nice as the mySql version tho is it:

```
Select *  
From table  
Limit 0,100
```