

Re: Nested Sets and custom sorting

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.programming/2004-08/0553.html>

From: Mark (*mpluijmaekers_at_yahoo.com*)

Date: 08/04/04

Date: 4 Aug 2004 00:01:48 -0700

"Adam Machanic" <amachanic@hotmail._removetoemail_.com> wrote in message news:<Ov4rdOWeEHA.3016@tk2msftngp13.phx.gbl>...

> *Mark,*

>

> *Is the data re-ordered at runtime (e.g. can the user specify an order),*
> *or is the ordering static at build time (when you create the tree)? If the*
> *latter, just insert the nodes into the tree in whatever order you'd like to*
> *retrieve them. If the former, it will probably be easier (and more*
> *efficient) to return the SortIndex to the client and sort the data there.*

The ordering is static at the moment I (re-)build the menu. I tried to insert the nodes into the tree in the correct order, but couldn't find an elegant/fast solution to do this. The query that inserts a node into the menu-table in Joe Celko's nested sets model looks like:

```
-- push when top has subordinates and set lft value
INSERT INTO #Stack
SELECT (@current_top + 1), MIN(T1.Nr), @counter, NULL, @level
FROM #Stack AS S1, @Tree AS T1
WHERE S1.child = T1.Parent
AND S1.stack_top = @current_top;
```

So in this case, the node with the lowest id (T1.Nr) is inserted first into #Stack. In my case, the ordering of sub-nodes depends on the value of the ListOrder and SortIndex fields of a node. And I can't find a good way of inserting the nodes in the desired order without using nested cursors or such. Anyone?