

Database - Bug #4752

Possible broken sort clause with word indexes

07/10/2020 05:05 PM - Ovidiu Maxiniuc

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No	version:	
vendor_id:			
Description			

History

#1 - 07/10/2020 05:13 PM - Ovidiu Maxiniuc

While working on other issues related to WORD indexes I realized something that seems like needing further investigation.

I am not exactly sure if the following is true but the current conversion might decide that the word index is responsible for driving a particular query. In this case the generated code would look like this:

```
new FindQuery(ttMiddel, "upper(tt0.extField[0]) = 'MATCH-PHRASE'", null, "tt0.extField asc").first();
```

Note that, since the tt0 has a word index with ext-field as component, the sort parameter seems normal.

The problem is not the fact that we ignore the index in FWD, but the fact that we cannot generate a valid ORDER clause in the SQL query. It will be something like

```
ORDER BY tt0.extField ASC
```

The problem is extField is an extent property and will be found in tt0__5 not in tt0 table. As result the SQL server will return an error. Let's hope this is not the case.