
Subject: Re: SqlArray Limit and Offset
Posted by [fabio](#) on Thu, 21 Dec 2006 14:17:57 GMT
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The 2 level query work only for first time....

the solution is (from <http://www.oracle.com/technology/oramag/oracle/06-sep/o56ask tom.html>)

... 3 level select.....

```
select * from ( select a.*, ROWNUM as row_num from (
select ..... from .... where ..... order by .....
) a where rownum <= offset+limit) where row_num > offset
```

Upp working solution is ...

1) Change in file: `upp\uppsrc\sql\SqlCtrl\SqlArray.cpp`

`SqlArray::AppendQuery()` method:

```
sql * ::Select(cols).From(table).Where(wh).OrderBy(orderby).Limit(count).Offset(offset);
```

in:

```
sql * ::Select(cols).From(table).Where(wh).OrderBy(orderby).Limit(offset,count);
```

2) Change in file: `upp\uppsrc\sql\Sql\SqlStatement.cpp`

```
SqlSelect& SqlSelect::Limit(int64 offset, int limit) {
```

```
    text = SqlCase(ORACLE,"select * from ( select rownum_a.*, ROWNUM as row_num from ( ")()
+ text +
    SqlCase(ORACLE,Format(") rownum_a where rownum <= %d ) where row_num > %d",
offset+limit,offset))
    (Format(" limit %d, %d",offset,limit));
```

```
    return *this;
}
```

this query use rownum reserved word, row_num, rownum_a user word and generate an extra column row_num in the result.

3) optional ?

```
Remove SqlSelect::Limit(count)
Remove SqlSelect::Offset(offset)
for complete portability
```

Tested in oracle and sqlite, my be work in MySql (same syntax of sqlite).

Fabio

File Attachments

1) [limit.zip](#), downloaded 427 times
