

Re: Sorting results by year and date

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.mseq/2004-04/0058.html>

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hi willa,

What is happening is, because of "group by" clause on "sail_dat" column each distinct value of SAIL_DAT is retrieved , therefore values like 1 apr 2004,2 apr 2004 are also retrieved. and while , viewing them you are retrieving only year and month out of it. So you think values are getting repeated. you can test this by writing following query.

```
SELECT
DATENAME(day,SAIL_DAT) AS 'day', --check the day.
DATENAME(YEAR,SAIL_DAT) AS SAIL_YEAR,
DATENAME(MONTH,SAIL_DAT) AS SAIL_MONTH
FROM dbo.IPS_POINTS
GROUP BY DATENAME(YEAR,SAIL_DAT),DATENAME
(MONTH,SAIL_DAT),SAIL_DAT
ORDER BY SAIL_DAT
```

you can correct your query as follows:

```
select sail_year, sail_month
from
(SELECT DATENAME(YEAR,SAIL_DAT) AS SAIL_YEAR,
        DATENAME(MONTH,SAIL_DAT) AS SAIL_MONTH,
        right('0' + cast(month(sail_dat) as varchar(2)),2) 'mnth'
FROM
IPS_POINTS WHERE RES_AGENT_CD = 'PLUMB_N'
GROUP BY DATENAME(YEAR,SAIL_DAT),DATENAME(MONTH,SAIL_DAT),
right('0' + cast(month(sail_dat) as varchar(2)),2)) X
ORDER BY cast(SAIL_YEAR + mnth + '01' as datetime)
```

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