

Re: Why is this query so slow

Source:

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.modulesdaovba/2007-09/msg00441.html>

- *From:* "John Spencer" <spencer@xxxxxxxxxx>
 - *Date:* Tue, 18 Sep 2007 08:19:42 -0400
-

Why bother with a LEFT JOIN since you are negating the effects of the left join by applying criteria to the table on the right?

```
SELECT
Count(RISK_TBL_OFFERSLOT.FLOORAMOUNT)/2 AS Hours,
Avg([CAPAMOUNT]*1000) AS [Price ($/MWh)],
Avg(Abs([KW])/1000) AS [Capacity (MW)]

FROM tbl_ElecContractsTemp INNER JOIN RISK_TBL_OFFERSLOT
ON tbl_ElecContractsTemp.OfferCD = RISK_TBL_OFFERSLOT.OFFERCD

WHERE RISK_TBL_OFFERSLOT.VALIDTO=0
AND tbl_ElecContractsTemp.OfferCD Is Not Null

GROUP BY RISK_TBL_OFFERSLOT.OFFERCD;
```

Beyond that I can see no reason for the query to take a long time assuming that there is not a large number of records and that you have indexes on these three fields

```
tbl_ElecContractsTemp.OfferCD
RISK_TBL_OFFERSLOT.OFFERCD
RISK_TBL_OFFERSLOT.VALIDTO=0
```

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John Spencer
Access MVP 2002-2005, 2007
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..

"MarkS" <MarkS@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
<news:77188AA6-D632-4595-823B-7703900B9940@xxxxxxxxxxxxxxxxxxxx>

Hi,

```
SELECT
Count(RISK_TBL_OFFERSLOT.FLOORAMOUNT)/2 AS Hours,
```

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```
Avg([CAPAMOUNT]*1000) AS [Price ($/MWh)],  
Avg(Abs([KW])/1000) AS [Capacity (MW)]  
FROM tbl_ElecContractsTemp LEFT JOIN RISK_TBL_OFFERSLOT  
ON tbl_ElecContractsTemp.OfferCD = RISK_TBL_OFFERSLOT.OFFERCD  
  
WHERE (((RISK_TBL_OFFERSLOT.VALIDTO)=0)  
AND ((tbl_ElecContractsTemp.OfferCD) Is Not Null))  
  
GROUP BY RISK_TBL_OFFERSLOT.OFFERCD;
```

The tbl_ElecContractsTemp is a local access table and RISK_TBL_OFFERSLOT is remote linked table. With only one OfferCD in tbl_ElecContractsTemp I have let the query run for 10 minutes before killing it. If I put the OfferCD into the query it runs in about 7 seconds.

Thanks MarkS