

Re: 100% CPU Util on Simple Update Query

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.programming/2005-02/3920.html>

From: Joel H (JoelH_at_discussions.microsoft.com)

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ITS BAACK. Yesterday, I had the same problem.
The query in full looks like this:

```
UPDATE IMPT_ZACKS_01
```

```
SET DATEOFFISCALQUARTER1END = (CASE WHEN SWITCH = -1 THEN
[DATEOFFISCALQUARTER0END] ELSE [DATEOFFISCALQUARTER1END] END),
Q1MEDIAN = (CASE WHEN [SWITCH] = -1 THEN [Q0MEDIANCURRENT] ELSE
[Q1MEDIAN] END),
Q1NBROFESTIMATES = (CASE WHEN [SWITCH] = -1 THEN [Q0NBROFESTIMATES] ELSE
[Q1NBROFESTIMATES] END),
PREVFISCQTRQ3ENDMO = (CASE WHEN [SWITCH] = -1 THEN [PREVFISCQTRENDMO]
ELSE [PREVFISCQTRQ3ENDMO] END),
Q3ACTUALEPS = (CASE WHEN [SWITCH] = -1 THEN [Q4ACTUALEPS] ELSE
[Q3ACTUALEPS] END),
DATEOFFISCALQUARTER2END = (CASE WHEN [SWITCH] = -1 THEN
[DATEOFFISCALQUARTER1END] ELSE [DATEOFFISCALQUARTER2END] END),
Q2MEDIAN = (CASE WHEN [SWITCH] = -1 THEN [Q1MEDIAN] ELSE [Q2MEDIAN]
END) ,
Q2NBROFESTIMATES = (CASE WHEN [SWITCH] = -1 THEN [Q1NBROFESTIMATES]
ELSE [Q2NBROFESTIMATES] END) ,
PREVFISCQTRQ2ENDMO = (CASE WHEN [SWITCH] = -1 THEN [PREVFISCQTRQ3ENDMO]
ELSE [PREVFISCQTRQ2ENDMO] END) ,
Q2ACTUALEPS = (CASE WHEN [SWITCH] = -1 THEN [Q3ACTUALEPS] ELSE
[Q2ACTUALEPS] END) ,
DATEOFFISCALQUARTER3END = (CASE WHEN [SWITCH] = -1 THEN
[DATEOFFISCALQUARTER2END] ELSE [DATEOFFISCALQUARTER3END] END),
Q3MEDIAN = (CASE WHEN [SWITCH] = -1 THEN [Q2MEDIAN] ELSE [Q3MEDIAN]
END) ,
Q3NBROFESTIMATES = (CASE WHEN [SWITCH] = -1 THEN [Q2NBROFESTIMATES]
ELSE [Q3NBROFESTIMATES] END) ,
PREVFISCQTRQ1ENDMO = (CASE WHEN [SWITCH] = -1 THEN
[PREVFISCQTRQ2ENDMO] ELSE [PREVFISCQTRQ1ENDMO] END) ,
Q1ACTUALEPS = (CASE WHEN [SWITCH] = -1 THEN [Q2ACTUALEPS] ELSE
[Q1ACTUALEPS] END) ,
Q0SERIALDATE = (CASE WHEN [SWITCH] = -1 THEN [Q_1SERIALDATE] ELSE
[Q0SERIALDATE] END) ,
```

```
Q1SERIALDATE = (CASE WHEN [SWITCH] = -1 THEN [Q0SERIALDATE] ELSE  
[Q1SERIALDATE] END) ,  
Q2SERIALDATE = (CASE WHEN [SWITCH] = -1 THEN [Q1SERIALDATE] ELSE  
[Q2SERIALDATE] END) ,  
Q3SERIALDATE = (CASE WHEN [SWITCH] = -1 THEN [Q2SERIALDATE] ELSE  
[Q3SERIALDATE] END)
```

Each row only works on that row.

I took the table, and tried to remove the key, then replace the key, then save – hoping to rebuild the key. I got the following error message:

'IMPT_ZACKS_01' table

– Unable to create index 'PK_IMPT_ZACKS_01'.

ODBC error: [Microsoft][ODBC SQL Server Driver][SQL Server]

[Microsoft][ODBC SQL Server Driver][SQL Server]Location: statisti.cpp:3222

Expression: cbStmtTxtLen/sizeof(WCHAR) <= cwchStmtTxtLen

SPID: 53

Process ID: 5576

Maybe thats a clue?

TIA Joel