

Re: Options when it comes to searching dates?

Source:

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From: John Kane (*jt-kane_at_comcast.net*)

Date: 05/18/04

Date: Mon, 17 May 2004 21:38:36 -0700

Raterus,

Sure, below is a create table for a temp table for inserting the output of sp_help_jobhistory – note run_date:

```
create table #JobHistory (  
    instance_id int NOT NULL,  
    job_id uniqueidentifier NOT NULL,  
    job_name nvarchar(100) collate database_default not null,  
    step_id int NOT NULL,  
    step_name nvarchar(100) collate database_default not null,  
    sql_message_id int NOT NULL,  
    sql_severity int NOT NULL,  
    message nvarchar(1024) collate database_default null,  
    run_status int NOT NULL,  
    run_date int NOT NULL,  
    run_time int NOT NULL,  
    run_duration int NOT NULL,  
    operator_emailed sysname collate database_default null,  
    operator_netsent sysname collate database_default null,  
    operator_paged sysname collate database_default null,  
    retries_attempted int NOT NULL,  
    server sysname collate database_default not null  
)  
insert into #JobHistory exec msdb.dbo.sp_help_jobhistory @job_id =  
@job_id, @step_id = 1, @mode = 'FULL'  
declare @date int  
declare @time int  
select @message = message, @runstatus = run_status, @date = run_date,  
@time = run_time  
from #JobHistory
```

You if you had the above temp table FT-enabled you could execute the following FT query:

```
select job_name from #JobHistory where contains(*, "job step") and  
run_date between 20040515 and 20040517
```

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My question for you is the column your date is stored in the same textual column as your FT-enabled column? If so, and in order to do date-range comparisons, you must parse this "textual" date format into a datatype that allows valid range comparisons. For example what is the difference between "foo" and "bar" expressed as a range of values? You must parse and then be able to capture and maintain the textual dates as valid date/numeric values in order to do valid date range comparisons.

Regards,
John

"Raterus" <raterus@spam.org> wrote in message
news:e4nvv2COEHA.1644@TK2MSFTNGP09.phx.gbl...

Can you give me a little more detail about storing the dates as int's, or just how I would use a full-text query to specify a range. In my application I know the dates stored will be in this format "4/12/04", but that could be changed, as it doesn't necessarily have to be stored like that, just displayed like that.

"John Kane" <jt-kane@comcast.net> wrote in message
news:%23XComtCOEHA.204@TK2MSFTNGP10.phx.gbl...

- > Raterus,
- > Can I assume that you are referring to free-form date formats, such as
- > "4/12/04", "May 11th, 2004", "February 12th", "2004/05/01", et al. and
- > then
- > being able to take any two of these date formats and determine the
- > difference in days and return all matching records within that date range?
- > Correct?
- >
- > Assuming I'm correct in the above assumption, SQL FTS and Indexing Service
- > cannot out-of-the-box provide this type of functionality. However, if
- > you're
- > able to intelligently parse the textual data and then put the above date
- > formats in SQL table columns define as int datatypes, then this is
- > possible.
- > However, it does require a significant amount of programming to detect and
- > parse all possible date formats and put them in the correct columns.
- >
- > So, while you are not dreaming, it is possible, but difficult.
- > Regards,
- > John
- >
- >
- >
- > "Raterus" <raterus@spam.org> wrote in message
- > news:#a85eZCOEHA.2780@TK2MSFTNGP09.phx.gbl...
- > Are there any options available in queries that are searching textual
- > dates
- > that have been indexed? Perhaps the ability to specify a range and all
- > matching records would be returned? Am I just dreaming? :-)
- >

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