

Re: missing indexes

Source:

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From: Steve Kass (*skass_at_drew.edu*)

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Andre,

For now, try

DROP STATISTICS SummaryPPVA2001 hind_c_1188199283_4A
and so on for the other names in the errors (be sure to drop them on the
remote server)

These may e hypothetical indexe used by the index tuning wizard.

I'll keep looking for something

SK

Andre wrote:

>I'm always glad to see you responding to my posts Steve; you're a huge asset
>to the SQL community.
>
>My server is running sql2k, sp3a on Win2k sp4. All the latest security
>updates have been applied. I've also applied all patches as recommended by
>the Baseline Security Analyzer. My sql version is: Microsoft SQL Server
>2000 - 8.00.818 (Intel X86) May 31 2003 16:08:15 Copyright (c) 1988-2003
>Microsoft Corporation Enterprise Edition on Windows NT 5.0 (Build 2195:
>Service Pack 4)
>
>The query that's causing the error is:
>select distinct
> o.systemnumber as SystemNumber,
> convert(char(4), o.showedon, 120) as ShowYear,
> convert(char(7), o.showedon, 120) as ShowMonth,
> convert(char(10), o.showedon, 120) as ShowDate,
> DATENAME(WEEKDAY, o.ShowedOn) as ShowDayOfWeek,
> sum(o.Records) as Buys
> from REP01.ARCHIVE.dbo.SummaryPPVA2001 o
> where o.systemnumber in
>(106,108,117,120,125,130,143,144,146,151,158,174,186,248,270,313,317,318,321

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>,322,325,328,329,331,345,416,418,425,429,483,530,779)
> and o.networknumber = 4
> and o.networkchannelnumber = 1
> and o.price >= 0
> and o.showedon <= '03/31/2004 23:59'
> group by o.systemnumber, convert(char(4), o.showedon, 120),
>convert(char(7), o.showedon, 120), o.systemnumber, convert(char(10),
>o.showedon, 120), DATENAME(WEEKDAY, o.ShowedOn)
> order by o.systemnumber, convert(char(10), o.showedon, 120)
>
>I've simplified the query a little, but it's still causing the error in my
>original post.
>
>The only way i can run the query and have a resultset returned is to drop
>all the indexes on SummaryPPVA2001. You can probably tell that REP01 is a
>linked sql server. I'm running this from a sql box named SQL01. SQL01 has
>the exact same @@version as REP01. It also has the exact same security
>updates/patches as REP01.
>
>The ddl for SummaryPPVA2001 is:
>CREATE TABLE [dbo].[SummaryPPVA2001] (
> [CorpNumber] [smallint] NOT NULL ,
> [SystemNumber] [smallint] NOT NULL ,
> [ShowedOn] [smalldatetime] NOT NULL ,
> [ShowingNumber] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NOT
>NULL ,
> [Price] [smallmoney] NOT NULL ,
> [Technology] [varchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL ,
> [TitleKey] [int] NOT NULL ,
> [NetworkNumber] [smallint] NOT NULL ,
> [NetworkChannelNumber] [smallint] NOT NULL ,
> [Records] [int] NOT NULL ,
> [Revenue] [money] NOT NULL ,
> [RowID] [int] IDENTITY (1, 1) NOT NULL
>) ON [PRIMARY]
>GO
>
>ALTER TABLE [dbo].[SummaryPPVA2001] WITH NOCHECK ADD
> PRIMARY KEY CLUSTERED
> (
> [RowID]
> ) WITH FILLFACTOR = 90 ON [PRIMARY]
>GO
>
>ALTER TABLE [dbo].[SummaryPPVA2001] ADD
> CONSTRAINT [CK_SummaryPPVA2001] CHECK (datepart(year,[ShowedOn]) = 2001)
>GO
>
> CREATE INDEX [IX_SummaryPPVA2001] ON
>[dbo].[SummaryPPVA2001]([SystemNumber], [ShowedOn]) WITH FILLFACTOR = 90 ON
>[PRIMARY]
```

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>GO
>
> CREATE INDEX [IX_SummaryPPVA2001_1] ON
>[dbo].[SummaryPPVA2001]([CorpNumber], [ShowingNumber], [ShowedOn]) WITH
>FILLFACTOR = 90 ON [PRIMARY]
>GO
>
> CREATE INDEX [IX_SummaryPPVA2001_2] ON [dbo].[SummaryPPVA2001]([TitleKey])
>WITH FILLFACTOR = 90 ON [PRIMARY]
>GO
>
> CREATE INDEX [IX_SummaryPPV2001_3] ON
>[dbo].[SummaryPPVA2001]([CorpNumber], [ShowingNumber], [TitleKey],
>[NetworkNumber], [NetworkChannelNumber], [Price]) WITH FILLFACTOR = 90 ON
>[PRIMARY]
>GO
>
> CREATE INDEX [IX_SummaryPPVA2001_3] ON
>[dbo].[SummaryPPVA2001]([NetworkNumber]) WITH FILLFACTOR = 90 ON [PRIMARY]
>GO
>
>Thanks for your help Steve.
>
>Andre
>
>
>
>
```