

Re: long processing time

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anonymous_at_discussions.microsoft.com

Date: 02/26/04

Date: Thu, 26 Feb 2004 08:00:11 -0800

Hi Dave,

Thanks for updating about PPU utility. I downloaded it and currently it is processing 2 partitions in parallel. It was easy to learn and the document along with it really helped.

Hope this could save me some time.

Thanks

Shiva

>-----Original Message-----

>Two observations:

>

>1) Have you ran the Optimize Schema wizard in the Cube Editor? You may be

>having long processing times because of the complex joins being issued from

>an unoptimized schema on the Analysis Services' side. For example if you

>have 20 dimensions, and if you look at the SQL statements that AS issues to

>the RDBMS (SQL Server or Oracle), you will notice that it issues a 21-way

>inner join between the fact table and *all* of the dimension tables. If you

>"optimize the schema" using the option from the Cube Editor, then you can

>reduce that significantly. This is discussed in both the AS Performance

>Guide and the AS Operations Guide pointed to from:

><http://www.microsoft.com/sql/evaluation/bi/bianalysis.asp>

>

>2) To process partitions in parallel, I would recommend that you look at

>running the Parallel Processing Utility (PPU) located at:

><http://www.microsoft.com/downloads/details.aspx?>

Re: long processing time

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>--

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>*SQL BI Product Unit (Analysis Services)*

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>

><*anonymous@discussions.microsoft.com*> *wrote in message*

>*news:0cd501c3fb1d\$4ebfec90\$a301280a@phx.gbl...*

>> *Hi Sean,*

>>

>> *That's what exactly I was looking for. Thanks for the*

>> *update.*

>>

>> *The cube which took 9 days to process has time dimension*

>> *as changing dimension. So I cannot divide this in to*

>> *partitions and need to create it from scratch.*

>>

>> *Document says I can use DSO to process cubes in parallel*

>> *through SQL server. But I'm not using SQL server at all.*

>> *My data comes from Oracle database. Do you recommend any*

>> *other DSO tool? Any steps/document on processing cubes*

in

>> *parallel while creating the cube would be great.*

>>

>> *Thanks*

>> *Shiva*

>>

>> >-----*Original Message*-----

>> >*Hi Shiva,*

>> >

>> >*You should use partitioning for this cube. It should*

>> *give you shorter*

>> *>processing times. I'd also recommend that you watch*

temp

>> *file creation*

>> *>during processing as you are more likely to encounter*

>> *this since you are*

>> *>using the distinct count aggregate type. A lot of*

this

>> *material is covered*

>> *>in the Analysis Services Performance Guide which is*

>> *available on MSDN.*

>> >

>>>
>>>---
>>>Sean
>>>
>>>---
>>>Sean Boon
>>>SQL Server BI Product Unit
>>>
>>>---
>>>This posting is provided "AS IS" with no warranties,
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>>>confers no rights.
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>>><http://www.microsoft.com/info/cpyright.htm>.
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>>>
>>>"Shiva" <anonymous@discussions.microsoft.com> wrote in
>>>message
>>>news:153e101c3fa55\$3a9bf790\$a401280a@phx.gbl...
>>>>Hi,
>>>>
>>>>I have a big cube based on a Fact table from Oracle
>>>>database. Fact table has around 270 million rows, and
>>>>cube
>>>>has measures with Distinct count and count.
>>>>It took about 40 hours to generate this cube based on
>>>>HOLAP but the performance was bad while accessing the
>>>>data
>>>>from Excel.
>>>>With MOLAP it took about 9 days, but the performance
is
>>>>great.
>>>>
>>>>Now my question is we need to process this cube every
>>>>month after adding every months worth of data.
Obviously
>>>>we can not loose 9 days to re-process this cube
whenever
>>>>we add new month's data. Is there any way to overcome
>>>>this
>>>>problem?
>>>>
>>>>I tried to explore creating two cubes; one is Static
>>>>cube
>>>>with all previous years data and one as dynamic cube
>>>>with
>>>>every months data till we roll in to another year.

And a

>> >> *virtual cube based on both of them, but I had troubles*

>> >> *merging the time dimensions.*

>> >>

>> >> *Any idea in this regard is appreciated.*

>> >>

>> >> *Thanks*

>> >>

>> >

>> >

>> >.

>> >

>

>

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