

RE: Slow File Load Through ODBC Driver

Source:

<http://www.tech-archive.net/Archive/Fox/microsoft.public.fox.programmer.exchange/2004-09/1301.html>

From: Lee Mitchell (Leemi_at_online.microsoft.com)

Date: 09/24/04

Date: Fri, 24 Sep 2004 17:40:01 GMT

Hi David:

Have you tried optimizing VFP's internal memory usage with the SYS(3050) function? I think VFP is paging out to the hard disk as it uses virtual memory. If you limit VFP to use RAM only, you may see a performance improvement. See this article for more info on the SYS(3050) function:

176483 PRB: Large Amounts of RAM Seem to Process Data Slowly
<http://kb/article.asp?id=Q176483>

I would start with 50000000 as the third parameter and test the app. If it is still slow, increase the number by 10000000 and test again.

I hope this helps.

This posting is provided "AS IS" with no warranties, and confers no rights.

Sincerely,
Microsoft FoxPro Technical Support
Lee Mitchell

-- VFP9 Public Beta Now Available!! --

Download the VFP9 beta here: <http://msdn.microsoft.com/vfoxpro/>

-- VFP8 HAS ARRIVED!! --

Read about all the new features of VFP8 here:

<http://www.universalthread.com/VisualFoxPro/News/VFP8Release.asp>

Purchase VFP8 here:

<http://shop.microsoft.com/Referral/Productinfo.asp?siteID=11518>

Keep an eye on the product lifecycle for Visual FoxPro here:

[http://support.microsoft.com/default.aspx?id=fh;\[ln\];lifeproduct](http://support.microsoft.com/default.aspx?id=fh;[ln];lifeproduct)

- VFP5 Mainstream Support retired June 30th, 2003

- VFP6 Mainstream Support retired Sept. 30th, 2003

>Hi gang,

microsoft.public.fox.programmer.exchange: RE: Slow File Load Through ODBC Driver

>I am running VFP 8.0, Windows, on several different Pentium Machines
>(2.0/3.0 HTT). I am using Fox as the client/presentation layer to a MySQL
>4.0 server, via a local view (actually a local view of a remote view of the
>MySQL table) using the MySQL 3.51 ODBC connector. Server table is 300,000
>rows/39 Megs and I need to return the entire table as a result set.

>Here's the problem: when the view is first activated (local or remote or
>both) by Fox, I can see MySQL return the result with 5 seconds (also tested
>sql statement directly in MySQL), but Fox takes 10 minutes to load the view
>through ODBC. I can see Fox grabbing RAM and throwing it to a local Fox
>table cache. Once the view is in the data session, it is lightning fast,
>but if I close the Fox database (with the connection) we are back to the 10
>minute load. In any case, the initial load is much slower than I would
>expect, since best case this is a RAM to RAM transaction and worst case a
>DISK to RAM.

>It feels like there is something unoptimized in the way Fox is putting the
>file into cache, but I can't figure out where to tune it.

>I have ruled out:

>Tuning the ODBC data source parameters (no effect)
>RAM (1 gig dual-channel; only 400 Meg of physical in use)
>CPU (does the transaction at 20%–30% CPU util)
>PROCESSOR/OS (same result in Win2000 and WinXP/same result on P4/2.0 and
>P4/3.0)
>VFP 8.0 (loaded server file into straight Fox table—opens and loads in
>seconds)
>remote vs. local view (remote view provides first view in seconds, but
still
>loads file to RAM in the background—more slowly in fact—and the table is
not
>fully accessible)

>WHAT AM I MISSING?

>Thanks in advance for your help!