

# RE: Using SQL to store aspx pages and memory problems

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspxnet/2005-07/msg01214.html>

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  - *Date:* Sat, 9 Jul 2005 22:20:01 -0700
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DancesWithBamboo,

Thankyou for your help – your response I believe hits the nail on the head.

I am trying to look at my options on pulling the code out of the pages and placing it in asp.net – not sure exactly how to do it – but are looking at different options. If you look at one of my recent replies to Klaus I have outlined a few of my ideas.

I found the asp solution very flexible and it provided a good solution to the issues I was having – but I was forced to move to asp.net due to reliability issues and a need to use webservices. Asp pages still get served occasionally from the server as they were created 3–4 years ago and the problems I have been having with asp.net have not really caused a great problem until recently. I guess its time to do some more up–grading.

Thanks for your help.

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matthew

"DancesWithBamboo" wrote:

- > To understand why the solution you had working in classic asp doesn't perform
- > in .net, you have to understand the internals of how these systems work.
- >
- > In asp, every page was interpreted runtime. It looked for your <% %> tags
- > and interpreted the code between them real time as it ran each page. If your
- > page didn't contain much server-side code and was mostly content then there
- > wasn't much to do. Basically the system was designed to look at each page
- > each time it was hit as necessary. This is why almost all systems (except
- > your) are faster in .net.
- >
- > .net on the other hand "compiles" every page into IL code when the page
- > changes. This IL code is then interpreted real time by the runtime engine.
- > Compiling is a lot of work. It outputs new code, checks syntax, checks type

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- > casts, checks variable declarations, function calls, and another million
- > things. asp would just crap out if it didn't like what it saw. The key here
- > is that .aspx files are compiled once for every folder and every folder every
- > time a file changes in it. On a normal system, you take a hit once for each
- > folder that has a page in it requested. Then nothing changes for a long time
- > so the compiler may not do anything for months.
- >
- > In your system, every time you push a page out from SQL to disk you are
- > instructing the compiler that there is a new page that it must compile (not
- > to mention the file system write which could possibly be the slowest thing
- > you could do on a Windows box). Now if you start loading all 10000 pages
- > into the same folder, the work it has to do will get worse as the more pages
- > are requested since there will be more pages to compile.
- >
- > The key to making your system work is to do some major rearchitecting or
- > leave it in classic asp. Why do you want to change? If you rearchitect, you
- > need to only store "data" in the database and keep code in files on the
- > server compiled. Then you load the pages with data from the db. This is how
- > content management systems work.
- >
- > An example would be your invoice pages. I assume that many of your "pages"
- > in the database are invoices. You need to just store them as text along with
- > whatever data you need to make the page in SQL Server (table called Invoice?)
- > and then have a page called invoice.aspx on the server that uses code to grab
- > the data and format it for display(including your graph control).
- >
- > It really has never been a "good" design to put code in a database. It just
- > happens that classic asp was stupid enough that you could get away with it.
- > You need to leverage the systems for what they are good at; IIS/.net for page
- > serving and SQL server for data storage.

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### • **References:**

- ◆ **[Using SQL to store aspx pages and memory problems](#)**
    - ◇ From: matvdl
  - ◆ **[RE: Using SQL to store aspx pages and memory problems](#)**
    - ◇ From: DancesWithBamboo
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