

Re: middle tier recommendations

Source: <http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework/2004-11/1628.html>

From: Param R. (*pr_at_nospam.com*)

Date: 11/26/04

Date: Fri, 26 Nov 2004 09:20:29 -0600

Nick, to answer your questions:-

1. 2 Web Servers & 1 Database
2. Starting out 2000+ users.
3. Continuous business use M-S 8-7.
4. 99.99% (8 a.m. - 10 p.m.)
5. During peak times we could see a sudden spike in usage.
6. YES. Realtime modification is a necessity.
7. Limited communication with existing systems - in realtime.

It is all about speed for this project. If the web pages are slow and the apps take time to execute then the business starts losing \$\$...

thanks!

"Nick Malik" <nickmalik@hotmail.nospam.com> wrote in message news:FKqpd.565167\$mD.516047@attbi_s02...

- > *What is driving the architecture? What are the key constraints?*
- >
- > *Honestly, most applications are fine with an ASP.NET layer that calls a*
- > *simple middle layer, written as DLLs, that call SQL. That said, most*
- > *applications have fewer than 100 concurrent users. I'm going to venture a*
- > *guess that this doesn't apply to you.*
- >
- > *How many servers have you set aside for this application?*
- > *How many users do you plan to serve with this application?*
- > *What is the nature of their use (continuous use for business day,*
- > *occasional*
- > *light use, occasional heavy use, receiving a stream of information)?*
- >
- > *In addition, you didn't provide the key constraints that drives the*
- > *architecture.*
- > *Do you have high uptime requirements (99.9% or better)?*
- > *Do you have variable scalability issues (sudden spikes that increase*
- > *traffic*
- > *by an order of magnitude or more for a sustained period)?*
- > *Do you need to be able to modify the behavior of the system while it is*
- > *running due to the nature of competition in your business?*

> *Do you have existing systems that you need to communicate with? If so,*
> *are*
> *these systems designed for real-time communication or do you need to batch*
> *things up?*
>
> *Without at least a little of this information, my answer would be too*
> *vague*
> *to be useful.*
>
> *As for .NET remoting, it is a useful mechanism for designs that need to*
> *partition the execution of the application onto multiple servers. The*
> *marshalling is far more efficient than with web services, but it is still*
> *marshalling... and if you are sending data sets across a marshalling*
> *boundary, you are probably not designing your interfaces correctly.*
>
> *An excellent book: Advanced .NET Remoting by Ingo Rammer.*
>
> *HTH,*
> *----* Nick
>
> *"Param R." <pr@nospam.com> wrote in message*
> *news:%23kiwNQj0EHA.804@TK2MSFTNGP12.phx.gbl...*
>> *Hi all, we are in the process of architecting a new application that will*
>> *have an asp.net front end & sql back end. In the past we have used*
>> *webservices as a middle tier solution but in terms of performance it has*
> *not*
>> *been upto the mark. Besides with the latest .net version there are some*
>> *known issues with calling web services (keepalives etc.). What other*
> *middle*
>> *tier solution does .net have to offer? What is .net remoting and how does*
> *it*
>> *work? Is it similar to DCOM? Does it have to run under IIS? I would like*
>> *something that is not dependent on IIS preferably. In our solution we*
>> *will*
>> *be passing custom objects back and forth with the middle tier interacting*
>> *with the database.*
>>
>> *Any help and guidance here is much appreciated!*
>>
>> *thanks!*
>>
>>
>
>