

## Re: Sending Messages and Sharing Objects

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*Source:*

[http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.distributed\\_apps/2006-05/msg00011.html](http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.distributed_apps/2006-05/msg00011.html)

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- *From:* Michael Nemtsev <nemtsev@xxxxxxx>
  - *Date:* Sun, 7 May 2006 09:25:28 +0000 (UTC)
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Hello Raju,

RJ> Most of the times our software runs in an intranet environment. We  
RJ> are using CSLA framework by Rocky because it allows us to switch  
RJ> between various channels, viz. Web Service, Remoting or Simple  
RJ> 2-Tier architecture. Our product needs to support all these three  
RJ> since client requirements could vary.

RJ> For example, one of our clients in Indonesia has offices in three  
RJ> different locations. In such case, we use webservices to request for  
RJ> information. But mostly its 2-Tier or remoting depending on the  
RJ> number of users using the system and the scalability factor.

Can't understand about 2Tiers. Why don't use WS instead of remoting in your case?

RJ> Now, my requirement is, in an Intranet system, using .NET, how can I  
RJ> send messages between different physical systems. I want something  
RJ> similar to MSN Messenger popups on the task bar.

It's the message-orient system, based on XML messages, as I described in the former post

RJ> And by caching, I mean, caching frequently used data which does not  
RJ> gets modified very often, like country, state and city information.  
RJ> I mean this data is pretty much constant. May change once or twice a  
RJ> year. I mean how often does a new country gets added. right? So, I  
RJ> would like to cache this data in some place (local or some other  
RJ> central repository) so it can be fetched easily (no need for an  
RJ> actual database fetch). But of the odd chance that data might get  
RJ> updated, I would like to notify client of the same and refresh the  
RJ> cached data list.

I can't see what's wrong with Database solution? The data is consistend and located in one place. You can be sure that there is no variety of the same data. Keep on local? In client? It's possible, but you need additional steps to update this data between clients.

RJ> Any ideas or suggestions. Some one recommended I could create a  
RJ> windows service to do this.

## Re: Sending Messages and Sharing Objects

Yep, but it's too common.

There is a lot of solutions that u can apply.

Describe your problem more detailed

100 external users or intenal? Intranet or internet apps?

What do use for the messages XML and XSTL to transfer messages to the canonical form?

I think remoting will tie you too hard, and it brings a lot of problems with indigo.

I recomend to use WS, it's gives u a nice heterogeneity.

What do u mean with "data cache"? Database or what?

Could u specify more details?

The general solution is that.

When patient comes to the consultation either he or operator create new

record on the webSite with necessary information,

afterthat this record in converted(xslt) in the message (xml) that is sent

to the server where the message is pushed into the ESB(enterprise service

bus) and your rule engine decided with component is responsible for this

message, and you message is parsed by that component. component takes all

necessary data from DB and generate output message.

RJ> We are currently in the design phase of a distributed system. I have

RJ> 2 questions with this regard.

RJ> RJ> Our app will be used by 100s of users. I would like to send messages

RJ> to different terminals at times with information. For example, lets

RJ> say, in a hospital, when a patient comes for consultation, once he

RJ> has signed in, I would like to send a message to the corresponding

RJ> provider that the patient has arrived. Something similar.

RJ> RJ> Secondly, I would like to have a central repository of data cache

RJ> which can be shared by all. Now, our architecture has been designed

RJ> to use any of the channels – 2Tier, Web Service or Remoting

RJ> (HTTP/Binary). We are using Rocky's CSLA framework with few

RJ> modifications.

Re: Sending Messages and Sharing Objects

RJ> RJ> Any suggestions or ideas or links to some editorials.  
RJ> RJ> Thanks,  
RJ> RJ> Raju  
RJ> ---  
WBR,  
Michael Nemtsev :: blog: <http://spaces.msn.com/laflour>  
"At times one remains faithful to a cause only because its opponents  
do not cease to be insipid." (c) Friedrich Nietzsche

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