

Re: Pushing data from the server to the client

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2005-02/3815.html>

From: DW (ddddwww_at_hotmail.com)

Date: 02/15/05

Date: Mon, 14 Feb 2005 20:16:22 -0500

Are there any good resources in existence that explain how to set up a push model using .Net Remoting and/or .Net Web Services?

"RCS" <rseder@gmail.com> wrote in message

news:VHgOd.3725\$hU7.428@newssvr33.news.prodigy.com...

- > *First thing that comes to mind, is I'd consider having a TcpServer on your*
- > *client that listens.. have your server connect and send it a command –*
- > *like "UPDATE" when there is a change. When your client receives that, it*
- > *hits your web service or uses remoting. Seems like you could use a*
- > *publish/subscribe pattern here too – but *how* is the tricky part. Because*
- > *I assume you need real-time – and that's what makes it funny. If you are*
- > *doing this on a per-security basis, that is going to be BRUTAL, on the*
- > *server, on your app and on the network.*
- >
- > *But also, I am willing to bet you are using delayed quotes, because*
- > *real-time quotes are super-expensive and difficult to get at*
- > *programmatically (from my experience) but delayed quotes you can get from*
- > *anywhere, and if you are a brokerage firm, you even have a few options no*
- > *doubt.*
- >
- > *If that's the case, why not just have a cache of prices locally and just*
- > *go get updates every few minutes? That way, you will always have*
- > *information on the client machine, and it's never any older than*
- > *lastcheck + originaldelay.. so say if you check every 2 minutes and your*
- > *original quotes are delayed 20 minutes, the data is never older than 22*
- > *minutes, sometimes less.??*
- >
- > *And as far as Java vs. .NET web services – I had the pleasure recently to*
- > *see textbook technology at work – we use a vendor, they wrote a web*
- > *service that I didn't have access to yet (because of infrastructure*
- > *issues). They gave me the .wsdl file for the web service (which was*
- > *written in Java). So I mocked up a facade web service on my side in .NET*
- > *that had this interface and wrote to it. I developed to that interface for*
- > *a couple months and the consumer was all in .NET (C#)!!*
- >
- > *On the day when I could finally access their web service, I literally just*
- > *changed the URL from my facade, to point to them and it worked perfectly*

microsoft.public.dotnet.languages.csharp: Re: Pushing data from the server to the client

> *right away, and has continued to work ever since.*
>
> *So having a .NET or Java web service as your back-end should be completely*
> *invisible to you.*
>
> *Remoting doesn't sound like a reasonable idea because you'd have to have*
> *the remoting dll on each client machine and the stub on the server. The*
> *connection management of Remoting is almost non-existent, so it's very*
> *difficult to manage "what" your application is doing over the wire or over*
> *in the client app. There is also quite a bit of overhead per connection*
> *with Remoting, so you'd also have a practical limit based on CPU and RAM*
> *of your server..*
>
> *HTH..*
>
>
> *"DW" <ddddwww@hotmail.com> wrote in message*
> *news:PZ-dneahRaTC9pTfRVn-2Q@rcn.net...*
>> *Hi,*
>>
>> *Here is my question. I want to push security prices to the desktop from*
>> *the server. Whenever there is a new price in the database, the server*
>> *notifies the client. How can this be done in the following situations*
>> *using MS .NET Winforms on the desktop:*
>>
>> *1. Using .NET Web Services on server*
>>
>> *2. Using Java Web Services on server*
>>
>> *3. Using .NET Remoting on server*
>>
>> *Thanks.*
>>
>> *- David W.*
>>
>
>