

Re: Applet Consideration

Source: <http://coding.derkeiler.com/Archive/Java/comp.lang.java.databases/2004-03/0154.html>

From: Yamin (absdfsd_at_sdfdasfsd.com)

Date: 03/17/04

Date: Tue, 16 Mar 2004 20:17:27 -0500

Nevermind that. I was beign stupid.

the paramters passed into socket.connect work fine. You just can't use the same address to type into the web browser...that's okay for me ;)

Yamin

"Yamin" <absdfsd@sdfdasfsd.com> wrote in message
news:udM5c.4645\$Eb6.175790@news20.bellglobal.com...

- > *Hi guys,*
- >
- > *this is prolly not JDBC specific, but I'm getting good advice here, so I*
- > *figured I'd try since its part of the same applcation.*
- >
- > *Basically, given the setup below, one of the tricky things I'm running*
- > *into*
- > *has to do with what parameters do I supply to Socket.connect(host, port)*
- > *for*
- > *the client applet to connect to the server.*
- >
- > *1. My computer(the server) is behind a router*
- > *2. I've setup the router to do port forwarding for HTTP connection(port*
- > *80)*
- > *to my local apache server (port 80)*
- > *3. I've setup the router to do port forwarding for my server app (port*
- > *10000) to my local server app(port 10000)*
- >
- > *if I'm running the applet on the local network, I simply set the host to*
- > *be*
- > *my local computers name (PC_YAMIN).*
- > *if I'm accessing remotely, I set the host to be the WAN ip address of the*
- > *gateway*
- > *Using either of these methods, everything works nicely.*
- >
- > *What I can't seem to have happen is to have a single host variable which*
- > *works for both LAN and WAN. If I use the WAN address while trying to*
- > *access*
- > *the applet locally, it says TIMED OUT WHILE TRYING TO CONNECT to WAN_IP.*

>
> *Any ideas?*
>
> *Thanks*
>
>
> *Yamin*
>
>
>
>
> *"Yamin" <absdfsd@sdfdasfsd.com> wrote in message*
> *news:y3M5c.4484\$Eb6.175056@news20.bellglobal.com...*
>> *Okie guys,*
>>
>> *Having just went through the learning experience of sorts...this is what*
I
>> *did.*
>>
>> *I have essentially 2 application*
>> *1. Applet*
>> *2. Server*
>>
>> *Applet (Client)*
>> *Has all the GUI code and what not. As I said, it was suprisingly easy*
to
>> *convert my standard application to an applet. I then created*
clientstubs
>> *for any database access application*
>> *i.e. boolean login(String domain, String user, String pass)*
>>
>> *I used a really cheap protocol, as the data being sent is just Strings*
and
>> *some ints.*
>> *Basically, everything is sent as String. One String per line so*
functions
>> *like readline() can work nicely.*
>>
>> *******
>> *Client request consists of:*
>> *Command String (i.e. "LOGIN")*
>> *param1 String*
>> *...*
>> *paramn String*
>>
>> *Server replies consist of*
>> *result string(i.e "PASS" or "FAIL")*
>> *return1 String*
>> *....*
>> *return paramn String*
>> *******

> >
> > *I made it so the client has absolutely no knowledge that the db exists.*
> > *Otherwise, I'd have to grant access to the client to hold locks and what*
> > *not, which I did not want to give for security reasons. To the client,*
> > *everything looks like a function call (w/th some remote method type*
stuff)
> >
> > *Server (runs on the same machine as the webserver/database...)*
> > *The server listens on a port and starts server threads for each new*
> > *connection. Each thread must be initialized by a login. This login*
open
> > *a*
> > *connection to the database. I did it this way, so in case a thread goes*
> > *broke or someting, any locks on tables, transaction will behave nicely*
and
> > *the user can't preform any operations without login in correctly first.*
> > *******
> >
> > *Things I might have done differently:*
> >
> > *1. I really wanted to use SSL to encrpypt the connection. This way,*
> > *login*
> > *passwords and other data could be transferred nicely. I read through*
the
> > *docs samples and what not, but just decided against it as I didn't want*
to
> > *add any more things that I really didn't understand.*
> >
> > *And it seems to work quite well. I tested it both locally and remotely.*
> > *It*
> > *all seems nice ;) Sure, it might have been nice to learn PHP and what*
not
> > *(it got really tempting last night), but I already did a lot of work on*
> > *this*
> > *in Java, so such is such.*
> >
> > *Yamin*
> >
> >
> >
> >
> >
> >
> >