

Re: Client Server

Source: <http://coding.derkeiler.com/Archive/Java/comp.lang.java.help/2003-12/0755.html>

From: Anthony Borla (ajborla_at_bigpond.com)

Date: 12/17/03

Date: Tue, 16 Dec 2003 23:08:43 GMT

"Anthony Borla" <ajborla@bigpond.com> wrote in message
news:cgqDb.54043\$aT.53684@news-server.bigpond.net.au...

>

> "Andrew McGinley" <andrewmc110@hotmail.com> wrote in message

> news:brku13\$ol1\$1@kermit.esat.net...

> > *Hi Everyone*

> >

This is a response to a follow-on query the OP e-mailed to me – I thought I'd share it for comments and possible feedback:

<message>

>

> *hello thanks a million for your reply, I really appreciate it.*

> *However I don't think I was too clear. I want to be able*

> *to read a file in before I read out to it*

>

I'm not sure what you are asking here. Are you saying that you want to update an existing file with new information ? If so, use the 'RandomAccessFile' object to access a file in both read and write mode. I should warn you, though, that this works best if you are **replacing** data that has the same length [e.g. five digits 12345 replaced by five digits 43456] rather than inserting data / deleting data where you need to take care in not overwriting existing data, or leaving 'gaps' of garbage data. More technically, it is probably easiest to use, and update, if data is stored as fixed-length records.

Otherwise, read a file in via a stream, make any required updates, and write it back out to the same file [if the stream used to access it has been closed], or to another file [and later delete the original m], in its entirety.

>

> *In other words the file named details will hold for example*

> *account number and password*

>
> *The server reads in the info from this file ,which I have created*
> *myself and compares it to the data that the client has sent to*
> *it. If this info is valid then various actions can be performed.*
>
> *I hope I am making sense.*
>
> *can you help me out?*
>

My response, though it was very general in nature, assumed exactly what you are now asking. You might care to re-read it a couple more times, but all your questions were actually answered :) !

Just to recap. You have a file containing an Account Number and a Password for each client, maybe stored something like this:

```
12345 xyz<newline>
12432 ghyuj<newline>
23421 eeera<newline>
...
```

or it could be in another format, several of which I described in my earlier post.

So, at some point you want the server to read this file in. As I described, you might do this when you first load the server, or at some later time, or each time a request is received from a client. In all cases, you will:

- * Create a stream object to access the file
- * Read the stream, and either store the data somewhere, say for example, an array, or make use of it there and then
- * Close the stream, thus disconnecting from the file, and allowing the stream object to be disposed of

When a client request arrives wishing to validate an account number and password it is merely a case of searching through the server-held data and making the required comparisons, something similar to the code snippet I provided in my earlier response.

What, exactly, are you having trouble with ? Is it:

- * Reading data into the server ?
- * Comparing client-supplied data against server-accessable data ?

If you are not comfortable enough with the Java language then all I can do is to suggest you complete some the tutorials at the Sun site – these might be of help:

comp.lang.java.help: Re: Client Server

<http://java.sun.com/docs/books/tutorial/java/data/index.html>

<http://java.sun.com/docs/books/tutorial/essential/io/index.html>

I hope this helps.

Anthony Borla

</message>