
Subject: Re: ion java-Servlets?

Posted by [Michael Wallace](#) on Tue, 02 Nov 2004 17:21:23 GMT

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coco89 wrote:

- > I am trying to create an interactive interface, which, because of size
- > and complexity, may not run efficiently in an applet.
- >
- > It seems, that servlets would serve my purposes however, I am not sure
- > how I would implement ION Java.
- >
- > I am currently running JSDK 3.5.1 w/tomcat, for testing, how do I get
- > to my ION Server that is located on a Windows NT Server to test the
- > ION Java calls?

This may not answer your question, but we never really found a good way to make ION work with servlets. We finally reached the conclusion that it would just be easier to use IDL processes and tie them back into Java rather than trying to go through ION. You'll need extra coding to manage the IDL processes, but the time spent writing that was much less than the time it would take to force the square peg of ION into the round hole of servlets. The only way we found to talk to ION through a servlet was via RMI, and unless you're well versed in RMI, that will take some time to learn. And our RMI solution was slow.

We opted for creating a pool of IDL processes and directly connecting to the IDL processes through the standard input and output stream methods of Java. In our case we were just interested in creating images. So, all we had to do to complete the loop was stream the image back to Java which in turn was streamed to the browser.

I just wish that RSI had taken the extra step of making the ION software applicable to servlets. Applets have a very limited scope and no one really does applet programming. There are certain applications that require applets, but for most uses applets aren't necessary. For us, we just needed IDL to create graphics, nothing more.

Subject: Re: ion java-Servlets?

Posted by [p.sommer](#) on Wed, 10 Nov 2004 02:11:17 GMT

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Michael Wallace <mwallace.no.spam@no.spam.swri.edu.invalid> wrote in message news:<10ofggk4cest9d@corp.supernews.com>...

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Hi Michael,

I'm curious...did you ever try to import the ION Java pkg directly into your servlet? While I haven't worked with servlets specifically, I have successfully used ION Java in other situations where no applet was used -- i.e., in stand alone Java applications. If all ION is going to do in the above application is sit back on the server and process (no display), then I would think it would work fine. Or, maybe it was the IONCanvas that was giving you problems? Regardless, if you can provide me with a simple, yet relevant example of a servlet implementation, I would be happy to take a look at it. Lastly, did you ever explore ION Script in this context? Thanks in advance for the additional information.

-P
