
Subject: Eclipse plugin - reading and writing to IDL variables

Posted by [Robbie](#) on Sat, 10 Apr 2010 03:06:14 GMT

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Hi,

I am writing a Java Swing application which might be useful for manipulating DICOM studies. I think that it might be interesting to integrate the application into the IDL workbench. The only problem is that I want to read and write variables in the existing IDL session. I've looked at the Java to IDL bridge and the IDL export bridge, but neither seem to be suitable.

The only platform agnostic ways would be to:

- * Use memory mapped files (ASSOC)
- * Use TCP sockets (SOCKET)

Other options:

- * Transfer the data by passing small chunks through shared memory (SHMMAP) however Java doesn't natively support shared memory.
- * Transfer the data using Datagram sockets, however, IDL doesn't natively support those.

I think it would be simplest to use memory mapped files. Both Java and IDL have optimisations for those.

Any thoughts?
