
Subject: Re: Running Java bridge in Envi + IDL mode
Posted by [Jim Pendleton](#) on Sun, 15 Apr 2012 01:12:23 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Friday, April 13, 2012 4:50:42 AM UTC-6, Matej Perše wrote:

> Hi all,
>
> I have a couple of questions regarding Java bridge:
>
> First: I was able to run all my scripts successfully in standard IDL
> server mode, however now the guys I work with have added some parts of
> the code that also needs ENVI.
> I was wondering if any of you has any experience with running the Java/
> IDL bridge in ENVI + IDL mode. Is it even possible to do it?
>
> Second: I have tried to run two separate asynchronous java threads
> which call 2 different IDL functions. However when I check the
> resources the code is always executed in sequence - i.e. one of the
> processes always waits for the second one to finish. I have also
> checked the processes in the Task Manager and it appears that only one
> idl_opserver process is created for both threads. Is there any way/
> flag to tell the IDL to start two separate idl_opserver processes
> which would run in parallel?
>
> Thanks for the answers,
> Matej

Good news and bad news. You shouldn't have any problem calling into ENVI functionality via a Java bridge, as long as you have an ENVI license and your !path is set appropriately.

Now for the (sort of) bad news. IDL is not thread safe. If you're calling into a single IDL process from multiple external processes, you should strongly consider a MUTEX pattern on the Java side to prevent potential conflicts.

Jim P
