
Subject: Re: Running Java bridge in Envi + IDL mode
Posted by on Mon, 16 Apr 2012 12:41:43 GMT
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On Apr 15, 3:12 am, jimmyleependle...@gmail.com wrote:

> 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

Thanks for the replay Jim. I have the ENVI license. Could you elaborate a bit more on the "path is set appropriately" (sorry, but I have only basic IDL knowledge and cannot find anything about the topic on the net). Where should I set the path - in IDL? My current path in IDL shows the IDL_default path + my local dirs. If I start the IDL + ENVI console the paths are the same.

As for the multiple threads, we can go with a single thread. It is just that we could manage the resources better if it would be possible.

Thanks again,
Matej
