Subject: CPU Process Manager Library / Parallel Processing
Posted by natha on Tue, 03 May 2016 16:09:31 GMT

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I decided to publish my library for parallel processing under IDL.

It's quite a complete library able to deal with procedures and functions with input and output parameters and keywords.
It has also the possibility to work with shared memory segments. Functionality that I didn't debug that much.

I wrote a little bit of documentation and I will upload the IDLDOC and more examples soon. For now, you will have to look the code to see the public available methods.

Note that the library is composed of 2 files that you will have to include in your IDL path.
The object xidl_idlbridge it is quite interesting and it could be used without the library handler (cpu_process_manager object)

Enjoy!

https://github.com/bernatp3rs/idl_cpu_pm/wiki

Subject: Re: CPU Process Manager Library / Parallel Processing
Posted by jiashenyue on Wed, 11 May 2016 03:38:39 GMT

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On Tuesday, May 3, 2016 at 9:09:33 AM UTC-7, nata wrote:
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>
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Thanks for sharing! I was always using SPAWN to run multiple tasks with a series of prepared scripts. Unfortunately if using this, there is no way to see the verbose output from the console.

This tool definitely gives more control over the whole process.

Shenyue

Subject: Re: CPU Process Manager Library / Parallel Processing
Posted by natha on Wed, 11 May 2016 12:50:12 GMT
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I am glad that somebody started using it. It took me more than a year to develop the library and I think that it's the most complete tool to deal with parallel computing under IDL.
Please do not hesitate to ask if you have any questions,
nata