Subject: Re: Background job on remote machine: problems with IDL_IDLBridge
Posted by borisstrel on Thu, 09 Jan 2014 07:27:52 GMT

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> On Wednesday, December 18, 2013 12:38:18 AM UTC-7, Boris wrote:
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>>> Hi all,
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>>> Just FYI, for IDL 8.3 (due out in the late fall), the IDL_IDLBridge will no longer require an X
server.
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>>> Cheers,
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>>> Chris
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>>> ExelisVIS
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>> Hi Chris,
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>> IDL Version 8.3 (linux x86_64 m64). (c) 2013, Exelis Visual Information Solutions, Inc.
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>> % Compiled module: BUILD_BRIDGES.
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>
>> % Loaded DLM: IDL_IDLBRIDGE.
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>
>> % IDL_IDLBRIDGE Error: WINDOW: Unable to open X Windows display.
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>
>>   Is your DISPLAY environment variable set correctly?
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>> It does require X-Window.
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>> any comments?
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>> by the way, I used the trick from Mario - it is appeared that I really started the background calculations, BUT all bridges used the same CPU.
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>> it was about 9% load for each of 10 jobs.
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>> The same task uses 10x100% when X-Window is there.
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>> Thanks,
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>> Boris.
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> Boris,

>
> Are you sure that the routine you're executing from the IDL_IDLBridge object doesn't explicitly create a WINDOW? To simplify debugging, what do you get for output if you call this?
>
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>
> IDL> b = idl_idlbridge()
>
>
>
> Jim P.

Hi Jim,
you are right.
sorry for confusion.

the Bridge object was created. but sitting up the environment needed X Window for some reason (actually what for?)

IDL> a=obj_new('IDL_IDLBridge')
% Loaded DLM: IDL_IDLBRIDGE.
IDL> a->execute, '@' + pref_get('IDL_STARTUP')
% IDL_IDLBRIDGE Error: WINDOW: Unable to open X Windows display.
        Is your DISPLAY environment variable set correctly?
% Execution halted at: $MAIN$
IDL>

this works if DISPLAY is ok.
Boris.