Subject: Re: call_procedure with a dynamically created arguments list?
Posted by Dominic Metzger on Sun, 08 Oct 2006 17:17:34 GMT
View Forum Message <> Reply to Message

Hey Bob,

Thanks for the suggestion... I guess that would work... hmmm... and it
would also solve the problem of transparency... it is something to
consider.

> Well, the user is going to know, because the user will have to call the
> wrapper.

Yes, the wrappers have to be in the users code, but I do this
automagically before the users code is run. In other words, I create a
copy of the users code with the wrapper functions in it.

thanks,

dometz

R.G. Stockwell wrote:
> "Dometz" <dometz@gmail.com> wrote in message
> news:1160175290.967818.184890@m73g2000cwd.googlegroups.com.. .
>> Basically, all I am doing is:
>> I automatically parse someones code and replace certain calls (ex:
>> read_png) with wrapper functions. Inside of these wrapper functions, I
>> record then timestamp when they were called, with what arguments etc.
>> Now all this is supposed to happen transparent to the user. Basically,
>> the user shouldnt even know that this happening or at least it shouldnt
>> affect him.
>>
>> dometz
>
>
> Well, the user is going to know, because the user will have to call the
> wrapper.
>
> The following is a horrible suggestion, I forbid you to do it. :)
>
> but, why not just modify the actual function (if it is indeed read_png.pro
> or any of the other functions with pro files). They are in the lib folder
> of the IDL installation.
> Just make sure that you take care when upgrading IDL versions.
>
> I would make a CREATE_LOG_ENTRY procedure that does everything you want,
> and paste it into each of the functions you wanted to wrap.

>
> Inside of read_pict.pro
> "PRO READ_PICT, filename, resultimage, r, g, b, DEBUG = DEBUG"
>
> add a line like:
> CREATE_LOG_ENTRY, 'Read_pict', filename, resultimage, r, g, b, debug
>
>
> where your routine is something like
>
> pro CREATE_LOG_ENTRY,
> routinename,generic1,generic2,generic3,generic4,generic5,gen eric6,generic7,generic8
> openw, lun,'logfile'
> printf,lun, routinename
> printf,lun, n_elements(generic1)
> printf,lun, n_elements(generic2)
> printf,lun, n_elements(generic3)
> etc.
>
>
>
> Cheers,
> bob