Subject: Method_valid
Posted by Andrew Meigs on Mon, 16 Aug 2004 18:21:42 GMT
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Is there a way efficiently check if an object has a method? I vaguely
remember this topic coming up in the newsgroup before but my googling has
not been fruitful.

I can of course use the following code to check the existence of a 'copy'
method (a general function is not hard at all as well):

```
FUNCTION copyCheck, objToCheck
  Catch, theError
  IF theError NE 0 THEN BEGIN
    Catch, /Cancel
    RETURN, 0
  ENDIF
  c =  objToCheck -> copy() ;; if ok then goes to next line, if not then
goes to the catch error code
  obj_destroy, c ;; don't really want to copy if it's valid. -- 16-08-2004
AGM -- may be inefficient for large objects (surely there's an
method_valid???)
  return, 1

END
```

However, as my code comments suggest if the method actually executes then
there could be large overhead.

Thanks,

Andy

Subject: Re: Method_valid
Posted by David Fanning on Tue, 17 Aug 2004 04:35:51 GMT
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Andy Meigs writes:

> Is there a way efficiently check if an object has a method? I vaguely
> remember this topic coming up in the newsgroup before but my googling has
> not been fruitful.

I don't remember the thread, but I think the answer
is still "No, there is no way to check if an object
has a method", except to try it and fail, as you
suggest.

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Method_valid
Posted by btt on Tue, 17 Aug 2004 12:41:06 GMT
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David Fanning wrote:
> Andy Meigs writes:
>
>
>> Is there a way efficiently check if an object has a method? I vaguely
>> remember this topic coming up in the newsgroup before but my googling has
>> not been fruitful.
>
>
> I don't remember the thread, but I think the answer
> is still "No, there is no way to check if an object
> has a method", except to try it and fail, as you
> suggest.
>
Hi,

I am loathe to contradict you David, especially since I am still
hyperventilating because Andrew Cool's has used objects - but there are two
functions available at the RSI user contribution site written, by Jim Pendelton,
called Object_HasMethod and Class_HasMethod. I think that is what Andy wants.

Ben

Subject: Re: Method_valid
Posted by David Fanning on Tue, 17 Aug 2004 13:23:10 GMT
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Ben Tupper writes:

> I am loathe to contradict you David, especially since I am still
> hyperventilating because Andrew Cool's has used objects - but there are two
> functions available at the RSI user contribution site written, by Jim Pendelton,

> called Object_HasMethod and Class_HasMethod. I think that is what Andy wants.

Well, there you go! Thank goodness Jim has the patience
to parse the ROUTINE_INFO information. Just be sure you
have compiled the sucker first and haven't just restored
the object. :-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Method_valid
Posted by David Fanning on Tue, 17 Aug 2004 13:27:55 GMT

David Fanning writes:

>> I am loathe to contradict you David, especially since I am still
>> hyperventilating because Andrew Cool's has used objects - but there are two
>> functions available at the RSI user contribution site written, by Jim Pendelton,
>> called Object_HasMethod and Class_HasMethod. I think that is what Andy wants.

Son-of-a-gun! I already had these files on my computer.
Now do you see why I write articles for my web page! :-)

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Method_valid
Posted by Andrew Meigs on Wed, 18 Aug 2004 09:15:23 GMT

Thanks guys-- will try out Jim Pendleton's routines.

Andy

"David Fanning" <davidf@dfanning.com> wrote in message
news:MPG.1b8bb5c48df039f5989837@news.frii.com...
> David Fanning writes:
>
>>> I am loathe to contradict you David, especially since I am still
>>> hyperventilating because Andrew Cool's has used objects - but there
are two
>>> functions available at the RSI user contribution site written, by Jim
Pendelton,
>>> called Object_HasMethod and Class_HasMethod. I think that is what
Andy wants.
>
> Son-of-a-gun! I already had these files on my computer.
> *Now* do you see why I write articles for my web page! :-)
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Method_valid
Posted by Andrew Meigs on Wed, 18 Aug 2004 12:56:19 GMT

Ben, who's "Andrew Cool" ?

Andy
"Andy Meigs" <ameigs@jet.uk> wrote in message
news:cfv6neldb1@codas.jet.uk...
> Thanks guys-- will try out Jim Pendleton's routines.
>
> Andy
>
> "David Fanning" <davidf@dfanning.com> wrote in message
> news:MPG.1b8bb5c48df039f5989837@news.frii.com...
>> David Fanning writes:
>>
>>>> I am loathe to contradict you David, especially since I am still
>>>> hyperventilating because Andrew Cool's has used objects - but there
> are two
>>>> functions available at the RSI user contribution site written, by
Jim
> Pendelton,

```
>>>>  called Object_HasMethod and Class_HasMethod.  I think that is what
>  Andy wants.
>>
>> Son-of-a-gun! I already had these files on my computer.
>> *Now* do you see why I write articles for my web page! :-)
>>
>> Cheers,
>>
>> David
>> --
>> David Fanning, Ph.D.
>> Fanning Software Consulting, Inc.
>> Coyote's Guide to IDL Programming: http://www.dfanning.com/
>
>
```

Subject: Re: Method_valid
Posted by btt on Wed, 18 Aug 2004 13:26:54 GMT

Andy Meigs wrote:
> Ben, who's "Andrew Cool" ?
>

Sounds like a made-up name doesn't it. He's one of the the cutting edge wizzes
standing upside down in the southern hemisphere; one of those guys who can do
anything and do it well. Search for Andrew's name in the newsgroup using
Googles search engine. You'll get the idea.

Subject: Re: Method_valid
Posted by David Fanning on Wed, 18 Aug 2004 13:41:50 GMT

Ben Tupper writes:

> He's one of the the cutting edge wizzes
> standing upside down in the southern hemisphere; one of those guys who can do
> anything and do it well.

And not only that, until very, very recently he did all
his machinations on VAX computers! A real throwback to
the glory days of computing! :-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
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