
Subject: Re: Are user-defined private methods possible?
Posted by [Foldy Lajos](#) on Wed, 08 Jul 2009 18:56:11 GMT
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On Wed, 8 Jul 2009, Paul van Delst wrote:

> As the subject states, are user-defined private methods possible in IDL?
>
> I have some object methods that I want to be private to the class (like Init
> and Cleanup) but I can't find any info on how to do that in the IDL help.
> Once the methods in question are invoked (and, thus, compiled) in a public
> method, they're accessible from outside the class.

You can not prevent calls to your "private" methods, but you can check whether the caller is a method of your class or not:

```
; cut here, copy to test.pro and .ru test  
;
```

```
pro o::private  
catch, stranger  
if stranger ne 0 then $  
begin  
    catch, /cancel  
    goto, prn  
endif
```

```
if not obj_isa((scope_varfetch('self', level=-1)), 'o') then stranger=1
```

```
prn:  
if stranger ne 0 then print, 'private call failed' $  
    else print, 'private call succeeded'  
end
```

```
pro o::public  
self->private  
end
```

```
s={o, i:0}  
o=obj_new('o')  
print, 'calling private from class method:'  
o->public  
print, 'calling private directly:'  
o->private  
end
```

```
; cut here
```

regards,
lajos
