
Subject: Re: IDLgrView::GetByName

Posted by [Dick Jackson](#) on Tue, 08 Nov 2005 21:14:22 GMT

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Hi,

"IDLmastertobe" <shi_lee@hotmail.com> wrote in message
news:a6f3fee6b8f98956d9d1912f01028d97@localhost.talkaboutprogramming.com...

> Hi, I am dealing with IDLgrView object named oView, oView holds a lot of
> other objects. I am trying to get access to those objects by using
> oView->GetByName function as follows:
>
> oView -> GetByName, oTop=oTop
> oTop -> GetByName, oGroup = oGroup
> oGroup->GetByName, oBox = oBox
> oBox -> SetProperty, thick=3
>
> oTop was added to oView and oGroup was added to oTop, maybe the chain
> GetByName structure is not necessary, but i received an error message:
>
> "Attempt to call undefined method: 'IDLGRVIEW::GETBYNAME'."
>
> why is GetByName not defined in IDLgrView oView?
>
> Does anyone know why? Thanks for your time.

It's defined, but it's a function, not a procedure, requiring a string to
match some object's Name property. If your oTop object was created with
Name='oTop' (and other objects named similarly), you could then do this:

```
oTop = oView -> GetByName('oTop')
oGroup = oTop -> GetByName('oGroup')
oBox = oGroup -> GetByName('oBox')
oBox -> SetProperty, thick=3
```

Online help on IDLgrView::GetByName is helpful here.

Cheers,

--

-Dick

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Subject: Re: IDLgrView::GetByName

IDLmastertobe wrote:

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> other objects. I am trying to get access to those objects by using
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```

Well, all objects of the IDLgrView class and its subclasses should have a GetByName method (since version 5.0, the first version in which Object Graphcis appeared). But the problem may be that you aren't calling it right. It takes no keyword arguments, only a single positional argument which should be a scalar string.

Here is how you might use it

```
IDL> oview = obj_new('IDLgrView')
IDL> otop = obj_new('IDLgrModel', NAME='top')
IDL> oview->Add, otop
IDL> ogroup = obj_new('IDLgrModel', NAME='group')
IDL> otop->Add, ogroup
IDL> obox = obj_new('IDLgrPolygon', NAME='box')
IDL> ogroup->Add, obox
```

(I'm just guessing about the object types.)

Then, later, when you've lost the references to the contained objects

```
IDL> otop = oview->GetByName('top')
IDL> ogroup = oview->GetByName('top/group')
IDL> obox = oview->GetByName('top/group/box')
```

```
IDL> print, otop, ogroup, obox
<ObjHeapVar10009(IDLGRMODEL)><ObjHeapVar10011(IDLGRMODEL)><ObjHeapVar10013(I
DLGRPOLYGON)>
```

--

Mark Hadfield "Kei puwaha te tai nei, Hoesa tahi tatou"
m.hadfield@niwa.co.nz
National Institute for Water and Atmospheric Research (NIWA)

Subject: Re: IDLgrView::GetByName
Posted by [Dick Jackson](#) on Tue, 08 Nov 2005 21:23:56 GMT
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Mark Hadfield in New Zealand wrote:

```
> IDL> otop = oview->GetByName('top')  
> IDL> ogroup = oview->GetByName('top/group')  
> IDL> obox = oview->GetByName('top/group/box')
```

Dick Jackson in Canada wrote:

```
> oTop = oView -> GetByName('oTop')  
> oGroup = oTop -> GetByName('oGroup')  
> oBox = oGroup -> GetByName('oBox')
```

You'll note that both of these work fine, your choice of approach may depend on which side of the world you're on. :-)

Cheers,

--

-Dick

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Subject: Re: IDLgrView::GetByName
Posted by [IDLmastertobe](#) on Tue, 08 Nov 2005 22:09:25 GMT
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thank you very much for your help. I appreciate your time.
