Subject: Re: iTool identifiers
Posted by Chris[2] on Wed, 07 Jun 2006 23:46:09 GMT

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Actually, I think it *is* that easy:

IDL> o=obj_new('idlitcomponent', identifier='myobject')
IDL> oparent = obj_new('idlitcontainer', identifier='parent')

IDL> ograndparent = obj_new('idlitcontainer')

IDL> oparent->add, o

IDL> ograndparent->add, oparent

IDL> print, o->getfullidentifier()

/PARENT/MYOBJECT

IDL> help, ograndparent->getbyidentifier('/parent/myobject')

<Expression> OBJREF = <ObjHeapVar10(IDLITCOMPONENT)>

The key is to set the IDENTIFIER keyword when you create your objects. As
long as your objects are a subclass of IDLitComponent, and your containers
are IDLitContainer, then everything should just work, and you shouldn't need
any of the iTools framework.

-Chris

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"Michael Galloy" <mgalloy@gmail.com> wrote in message
 news:3wvhg.10064$921.7004@newsread4.news.pas.earthlink.net.. .
> Robbie wrote:
>> Hello,
>>
>> I was wondering if anyone has used the iTool identifier system just by
>> itself. I like the idea of using the iTool identifier system for
>> keeping a track of objects, but I am not using iTools for my particular
>> project.
>>
>> By the looks of it, I just have to:
>> * Use IDLitContainer instead of IDL_Container
>> * Use IDLitComponent as a base class
>> * No change necessary for graphics atoms

>> and I should be able to reference all objects from the context of the
>> root IDL_Container
>>
>> Is it really that easy? Is it more convenient than using conventional
>> object references? Does a global identifier system blur the segregation
>> between modules?
>
> I don't think it will be *that* easy.
>
> IDL> o = obj_new('idlgrplot', findgen(11))
> IDL> print, obj_isa(o, 'idlitcomponent')
>   1
> IDL> help, o->getFullIdentifier()
> <Expression>   STRING   = ''
>
> I think you need to start the iTools system and have an iTool for most
> components to have a valid identifier (since I think the component gets
> its id when it is registered). Maybe there is some way to fake it? To find
> out would require digging around the iTools source code.
>
> But, maybe the NAME property for object graphics is good enough?
>
> IDL> oview = obj_new('idlgrview')
> IDL> omodel = obj_new('idlgrmodel', name='mymodel')
> IDL> oview->add, omodel
> IDL> oplot = obj_new('idlgrplot', findgen(11), name='myplot')
> IDL> omodel->add, oplot
> IDL> help, oview->getByName('mymodel/myplot')
> <Expression>   OBJREF   = <ObjHeapVar10(IDLGRPLOT)>
>
> I use this all the time so that I don't have to store object references
> for many different objects in a hierarchy. Is this what you mean by "I
> should be able to reference all objects from the context of the root
> IDL_Container"?
>
> Mike
> --
> www.michaelgalloy.com