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Subject: Re: IDL objects and names

Posted by [dick](#) on Wed, 12 Feb 2003 21:47:14 GMT

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Sebastian <s@visita2.die.upm.es> wrote in message

news:<Pine.LNX.4.44.0302121521400.2435-100000@visita2.die.upm.es>...

> Hi,

>

> that lostObject thing is cool, made me re-read the OBJ\_VALID docs....

> Now I am of course a little bit lazy and don't want to write a PrintName

> procedure for each object type I am using.

> Is there something like an IDLClass that all IDLgr\* classes inherit from?

> I know that the reference manual says for most of the IDLgr\* classes "This

> class has no superclasses", but is it true? I mean, what's the point of

> having "objects" and making no use of their (theoretical) capabilities?

As Rick Towler points out, IDLgrGraphic may be just what you want, but for more interesting details on the hidden classes, this is interesting reading:

IDL> help,/obj,/full

\*\* Object class IDLGRAXIS, 1 direct superclass, 0 known methods

Superclasses:

IDLGRGRAPHIC <Direct>

IDLGRCOMPONENT

IDLITCOMPONENT

\*\* Object class IDLGRBUFFER, 1 direct superclass, 0 known methods

Superclasses:

IDLGRSRCDEST <Direct>

IDLITCOMPONENT

\*\* Object class IDLGRCLIPBOARD, 1 direct superclass, 0 known methods

Superclasses:

IDLGRSRCDEST <Direct>

IDLITCOMPONENT

\*\* Object class IDLGRCOMPONENT, 1 direct superclass, 0 known methods

Superclasses:

IDLITCOMPONENT <Direct>

\*\* Object class IDLGRCONTAINER, 2 direct superclasses, 0 known methods

Superclasses:

IDL\_CONTAINER <Direct>

IDLGRCOMPONENT <Direct>

IDLITCOMPONENT

\*\* Object class IDLGRCONTOUR, 1 direct superclass, 0 known methods

Superclasses:

IDLGRGRAPHIC <Direct>

IDLGRCOMPONENT

IDLITCOMPONENT

\*\* Object class IDLGRDATA, 1 direct superclass, 0 known methods

Superclasses:  
 IDL\_CONTAINER <Direct>

\*\* Object class IDLGRGRAPHIC, 1 direct superclass, 0 known methods  
 Superclasses:  
 IDLGRCOMPONENT <Direct>  
 IDLITCOMPONENT

\*\* Object class IDLGRIMAGE, 1 direct superclass, 0 known methods  
 Superclasses:  
 IDLGRGRAPHIC <Direct>  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRLIGHT, 1 direct superclass, 0 known methods  
 Superclasses:  
 IDLGRGRAPHIC <Direct>  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRMODEL, 1 direct superclass, 0 known methods  
 Superclasses:  
 IDLGRCONTAINER <Direct>  
 IDL\_CONTAINER  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRPLOT, 1 direct superclass, 0 known methods  
 Superclasses:  
 IDLGRGRAPHIC <Direct>  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRPOLYGON, 1 direct superclass, 0 known methods  
 Superclasses:  
 IDLGRGRAPHIC <Direct>  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRPOLYLINE, 1 direct superclass, 0 known methods  
 Superclasses:  
 IDLGRGRAPHIC <Direct>  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRPRINTER, 1 direct superclass, 0 known methods  
 Superclasses:  
 IDLGRSRCDEST <Direct>  
 IDLITCOMPONENT

\*\* Object class IDLGRSCENE, 1 direct superclass, 0 known methods  
 Superclasses:  
 IDLGRCONTAINER <Direct>  
 IDL\_CONTAINER  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRSRCDEST, 1 direct superclass, 0 known methods

Superclasses:  
 IDLITCOMPONENT <Direct>

\*\* Object class IDLGRSURFACE, 1 direct superclass, 0 known methods

Superclasses:  
 IDLGRGRAPHIC <Direct>  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRSYMBOL, 0 direct superclasses, 1 known method

Known Function Methods:  
 IDLGRSYMBOL::INIT

\*\* Object class IDLGRTEXT, 1 direct superclass, 0 known methods

Superclasses:  
 IDLGRGRAPHIC <Direct>  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRVIEW, 1 direct superclass, 0 known methods

Superclasses:  
 IDLGRCONTAINER <Direct>  
 IDL\_CONTAINER  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRVIEWGROUP, 1 direct superclass, 0 known methods

Superclasses:  
 IDLGRCONTAINER <Direct>  
 IDL\_CONTAINER  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRVOLUME, 1 direct superclass, 0 known methods

Superclasses:  
 IDLGRGRAPHIC <Direct>  
 IDLGRCOMPONENT  
 IDLITCOMPONENT

\*\* Object class IDLGRVRML, 1 direct superclass, 0 known methods

Superclasses:  
 IDLGRSRCDEST <Direct>  
 IDLITCOMPONENT

\*\* Object class IDLGRWINDOW, 1 direct superclass, 0 known methods

Superclasses:  
 IDLGRSRCDEST <Direct>  
 IDLITCOMPONENT

\*\* Object class IDLITCOMPONENT, 0 direct superclasses, 0 known methods

\*\* Object class IDLITPARAMETERDESCRIPTOR, 1 direct superclass, 0 known methods

methods

Superclasses:  
 IDLITCOMPONENT <Direct>

\*\* Object class IDLITWINDOW, 1 direct superclass, 0 known methods

Superclasses:  
 IDLGRWINDOW <Direct>

IDLGRSRCDEST  
IDLITCOMPONENT

\*\* Object class IDL\_CONTAINER, 0 direct superclasses, 0 known methods

Play at your own risk, I suppose these undocumented things could change someday. Or perhaps Karl could set our mind at ease about whether some of these are really cast in stone?

Cheers,

--

-Dick

Dick Jackson / dick@d-jackson.com  
D-Jackson Software Consulting / http://www.d-jackson.com  
Calgary, Alberta, Canada / +1-403-242-7398 / Fax: 241-7392

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