
Subject: Re: Inheriting Properties (or something similar) in IDLDOC

Posted by [Michael Galloy](#) on Tue, 10 Jul 2012 03:34:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

On 7/9/12 6:05 PM, Bogdanovist wrote:

> I've just started a project of re-commenting a large IDL code into
> IDLDOC format and moving some external text file documentation into
> those comments.
>
> One issue I have is that the code uses IDL custom object, and in
> particular inheritance, extensively. I would like the documentation
> for derived classes to inherit appropriate info from the parent class
> documentation.
>
> In particular, the functionality of a lot of the object functions,
> such as threshold levels and other parameters and switches are
> controlled by config files. A base class may have some behaviour
> controlled by some 'tag' in a config file and a derived class may be
> controlled by additional tags. I would like a way to summarise all of
> the config file tags that control an object (i.e. are looked at by any
> of the objects functions) and then have derived classes documentation
> inherit the summary from the superclass.
>
> Looking over the IDLDOC reference guide, I though perhaps
> the :Properties: tag in the file comments might allow this. So I have
> comments in the base class <obj_name>__define.pro file that look
> something like this:
>
> ;+
> ; Abstract Base class for handling input data for mapping.
> ; Provides a common interface for different data sources.
> ;
> ;:Properties:
> ; data_type : property name
> ; The IDL data type to use for the data storage array pointed to
> by self.data
> ; something_else :
> ; Some other property
> ;-
>
> This produces a nice summary of 'properties' in the IDLDOC produced
> docs. However, this does not show up the doc page for derived classes
> (not that I was expected to, just hoping....).
>
> Is there any way to achieve what I'm trying to do? For comparison the
> way IDLDOC handles the actual class members is exactly the behaviour I
> want, but for a 'user defined' set of properties of objects. Is this
> possible?

>

Ah, no, not right now. That is an interesting feature though, that would be quite useful. I will make a feature ticket for that.

One workaround for it right now would be to create a `my_class_properties.idldoc` page that lists all the properties for `my_class` and then (manually) link to that page from all the derived classes.

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>

Research Mathematician

Tech-X Corporation
