
Subject: Re: Inheriting Properties (or something similar) in IDLDOC
Posted by [Michael Galloy](#) on Wed, 29 Aug 2012 18:14:47 GMT
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On 8/29/12 1:10 AM, Yngvar Larsen wrote:

> On Tuesday, 10 July 2012 05:34:20 UTC+2, Mike Galloy wrote:

>> 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
>
> [Sorry for the late posting. Slowly catching up on the back log from this summer.]
>
> For what it's worth: I would also like this feature. In our software, we almost in every class use inheritance from a couple of base classes, and it would be nice if the methods from these would show up in the "Routine summary" in the derived classes.
>

The trunk now shows a listing of the inherited properties in the same manner that the inherited fields are shown. Features/fixes are collecting, so a release is probably going to happen soon.

But, you also want a listing of inherited routines?

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Research Mathematician

Tech-X Corporation
