Subject: Re: calling a structure tag as a variable? Posted by Paul Van Delst[1] on Mon, 27 Feb 2012 16:52:16 GMT

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desertdryad wrote:
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> Hi folks -
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>

- > I have a set of structure variables I use in a suite of programs. I
- > need to run the same procedure on several different fields within that
- > structure; where the only difference in how the procedure is used is
- > the particual field it operates on. But I don't want to do them 'all
- > at once' either. I would like to be able to call the procedure in
- > question by somehow making the tag name to operate on in the procedure
- > a variable. But I don't think there is a way to do that in IDL?

>

> (did I explain my question understandably?)

How about something like:

```
PRO process_mystructure, $
    mystructure, $ ; The structure
    tag ; The tag name on which to operate

tag_idx = WHERE(TAG_NAMES(mystructure) EQ tag, count)
IF ( count NE 1 ) THEN MESSAGE, 'Invalid input tag'

; Pull out data to operate on
    data = mystructure.(tag_idx[0])

....operate on data...calling separate, generic procedure?

; Stick it back in the structure
    mystructure.(tag_idx[0]) = data
```

??

**END**