Subject: Re: redout of "name", "type" and "value" tags into a string Posted by ben.bighair on Mon, 21 May 2007 14:06:20 GMT

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On May 21, 5:03 am, BavarianMike86 < jo.mich...@gmx.de> wrote:

- > Hello!
- > I hope you can help me:

>

- > I have a structure. I can redout and print the structure tags using
- > the TAG NAMES function.
- > But I also want to readout the "Type" and "Value" tags into a string
- > arrav.
- > How can I do that?

>

Hi,

Getting the type names isn't too hard. You could wrap the follwoing into a function.

```
IDL> n = n_tags(!X)
IDL> s = STRARR(n)
IDL> for i =0,n-1 do s[i]=SIZE(!X.(i),/TNAME)
IDL> print, s
```

But getting the value is not straight forward as a structure field could be quite complex, like a pointer, object or another structure. Besides, that is really what the "." operator does for you, it returns the value of the field. Like...

print, !X.range

Ben