
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

> array.

> 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
