
Subject: Re: idl5.3 create_struct()
Posted by [R.Bauer](#) on Wed, 05 Jan 2000 08:00:00 GMT
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Liam Gumley wrote:

>
> "R.Bauer" wrote:
>> I was very surprised and afraid this morning about the definition
>> changes of possible signs on tagname definitions.
>>
>> The only non_alphanumeric signs which are allowed in the new version is
>> '\$' and '_'.
>> The '!' sign is only defined for the first place.
>>
>> a=create_struct('test@core',1)
>> % CREATE_STRUCT: Illegal tag name: test@core.
>> % Execution halted at: \$MAIN\$
>>
>> I have had no information about such changes I don't found any hint's in
>> the what's new topics.
>
> I noticed the same thing in the IDL 5.3 beta release in September 1999.
> RSI technical support told me this was a *bug* in IDL prior to version
> 5.3. According to the IDL documentation, structure tag names must
> conform to the same rules as variable names. As far back as IDL 5.1,
> this was documented in 'Building IDL Applications/Structures/Creating
> and Defining Structures':
>
> "Structure names and tag names follow the rules of IDL identifiers: they
> must begin with a letter; following characters can be letters, digits,
> or the underscore or dollar sign characters; and case is ignored."

I am hoping that's there is a bug in the description because I am using
very often
the '!' sign in the first place.

```
IDL> a=create_struct('!global','test')
IDL> help,a,/str
** Structure <1354968>, 1 tags, length=8, refs=1:
   !GLOBAL    STRING  'test'
```

I need this sign to separate user definition from system definitions.

R.Bauer

File Attachments

1) [R.Bauer.vcf](#), downloaded 124 times

Subject: Re: idl5.3 create_struct()

Posted by [Craig Markwardt](#) on Wed, 05 Jan 2000 08:00:00 GMT

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Liam Gumley <Liam.Gumley@ssec.wisc.edu> writes:

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> and Defining Structures':

It's pretty funny too. Try these with an older version of IDL:

```
a = create_struct('(1)', 1)
```

```
a = create_struct('1', 1)
```

```
a = create_struct('.', 1)
```

That's just not right. Pretty cool though.

Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

Subject: Re: idl5.3 create_struct()

Posted by [Liam E. Gumley](#) on Wed, 05 Jan 2000 08:00:00 GMT

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"Structure names and tag names follow the rules of IDL identifiers: they must begin with a letter; following characters can be letters, digits, or the underscore or dollar sign characters; and case is ignored."

Prior to IDL 5.3, create_struct() did not check for legal tag names. In IDL 5.3, it does.

Cheers,
Liam.

--

Liam E. Gumley
Space Science and Engineering Center, UW-Madison
<http://cimss.ssec.wisc.edu/~gumley>
