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Subject: Re: Broken hash init()

Posted by [penteado](#) on Wed, 27 Oct 2010 23:18:12 GMT

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On Oct 27, 8:57 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

> I just noticed that the init method is not properly creating hashes  
> from structures on some situations:

```
>
> IDL> a={b:list(1,2)}
> IDL> print,a
> {<ObjHeapVar1(LIST)>}
> IDL> print,a.b
>      1
>      2
> IDL> h=hash(a)
> IDL> print,h
> B:      1
```

```
>
> Or,
>
> IDL> a={b:[1,2]}
> IDL> print,a
> {      1      2}
>
> IDL> h=hash(a)
> IDL> print,h
> B:      1
```

```
>
> But this works:
>
> IDL> a={b:9,c:[5,8]}
> IDL> print,a
> {      9      5      8}
>
> IDL> h=hash(a)
> IDL> print,h
> B:      9
> C:      5      8
```

Trying to get around that problem, I encountered the same problem because I forgot about the bug with foreach on string arrays. So perhaps that is also causing the problem with hash::init():

```
IDL> a={a:[1,2]}
IDL> h=hash()
IDL> foreach tag,tag_names(a),i do h[tag]=a.(i)
IDL> print,h
A:      1
```

Using a for loop instead of the foreach, it works normally:

```
IDL> tn=tag_names(a)
IDL> for i=0,n_elements(tn)-1 do h[tn[i]]=a.(i)
IDL> print,h
A:    1    2
```

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Subject: Re: Broken hash init()

Posted by [penteado](#) on Thu, 28 Oct 2010 23:49:15 GMT

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On Oct 27, 9:18 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Oct 27, 8:57 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

>

>

>

>

>

>> I just noticed that the init method is not properly creating hashes

>> from structures on some situations:

>

>> IDL> a={b:list(1,2)}

>> IDL> print,a

>> {<ObjHeapVar1(LIST)>}

>> IDL> print,a.b

>> 1

>> 2

>> IDL> h=hash(a)

>> IDL> print,h

>> B: 1

>

>> Or,

>

>> IDL> a={b:[1,2]}

>> IDL> print,a

>> { 1 2}

>

>> IDL> h=hash(a)

>> IDL> print,h

>> B: 1

>

>> But this works:

>

>> IDL> a={b:9,c:[5,8]}

>> IDL> print,a

>> { 9 5 8}

```
>
>> IDL> h=hash(a)
>> IDL> print,h
>> B:    9
>> C:    5    8
>
> Trying to get around that problem, I encountered the same problem
> because I forgot about the bug with foreach on string arrays. So
> perhaps that is also causing the problem with hash::init():
>
> IDL> a={a:[1,2]}
> IDL> h=hash()
> IDL> foreach tag,tag_names(a),i do h[tag]=a.(i)
> IDL> print,h
> A:    1
>
> Using a for loop instead of the foreach, it works normally:
>
> IDL> tn=tag_names(a)
> IDL> for i=0,n_elements(tn)-1 do h[tn[i]]=a.(i)
> IDL> print,h
> A:    1    2
```

I just verified that this is fixed in 8.0.1. Which makes this the shortest duration I ever experienced a bug.

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