Subject: Hash auto-instantiation (was IDL8.4 hard crash)
Posted by chris_torrence@NOSPAM on Thu, 19 Feb 2015 18:28:39 GMT
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On Thursday, February 19, 2015 at 8:19:42 AM UTC-7, Fabien wrote:
> On 19.02.2015 15:40, Chris Torrence wrote:
>> But I think in this case, since we're indexing using strings,
>> then we know that we want a hash for the sub-container. I'd hate
>> to complicate it further with a keyword that I have to document.
>
> The argument of the string indexes is true if you have more than one
> nested level.
>
> Just in case you are thinking of a Hash() improvement for a future IDL,
> it would be good not to be limited to default hashes only, as does
> python's defaultdict. The roblem of course is that my example is flawed:
>
> a = hash(DEFAULT=list())
>
> is not okay. I shouldn't give an instance of list but rather a "type"
> list or so:
>
> a = hash(DEFAULT='list')

Actually, in my code I am creating the new container based upon my own class. So if you have an IDL Dictionary it will create a Dictionary for the sub-containers. Similarly for the OrderedHash class.

For example:
```
d = Dictionary()
d['a','b','c'] = 5
help, d['a']
<Expression>    DICTIONARY  <ID=6216  NELEMENTS=1>
```

Speaking of dictionaries, now I'm wondering whether it should work for the "dot" notation as well as the brackets:

```
d = Dictionary()
d.a.b.c = 5    ; should this auto-instantiate???
```

I'm thinking that it probably should do the same thing...

-Chris