
Subject: Re: Nested data structures

Posted by chris_torrence@NOSPAM on Thu, 25 Dec 2014 04:49:39 GMT

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On Wednesday, December 24, 2014 5:11:54 PM UTC-7, Mike Galloy wrote:

> On 12/24/14, 2:29 PM, wlandsman wrote:

>> I am trying to build a data structure that will allow me to specify a person by his State, city, street and street. (This is not my actual need, but it is analogous.) Thus I might specify (as metacode)

>>

>> ['Colorado']['Boulder']['Pearl']['9990'] = 'John'

>>

>> I assume this can be done with nested hashes or dictionaries, but I am having difficulty figuring out how to start. I started writing something like

>>

>> person = [hash('colorado',['boulder','Denver'], hash('Arizona',['Tucson','Phoenix']))

>>

>> but I get lost in making the nesting clear. thanks for any help. --Wayne

>>

>>

>

> Is something like this what you are trying to do?

>

> IDL> person = hash('Colorado', hash('Boulder', 1, 'Denver', 2),

> 'Arizona', hash('Tucson', 3, 'Phoenix', 4))

> IDL> (person['Colorado'])['Denver']

> 2

>

> Mike

> --

> Michael Galloy

> www.michaelgalloy.com

> Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

> Research Mathematician

> Tech-X Corporation

And to make it even more convenient, you can simply append the subscripts inside the first set of brackets and it will automatically descend into the sub-hashes:

```
IDL> print,person['Colorado', 'Denver']
```

```
2
```

Happy Holidays,
Chris
