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Subject: Re: read XML with IDL

Posted by [KRDean](#) on Wed, 14 Jul 2010 13:58:23 GMT

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On Jul 14, 3:59 am, sh <sebastian.h...@gmail.com> wrote:

```
> Hello together,
>
> I already searched in the archive, but I didn't find a clear answer.
>
> Every time you want to read .xml files, you have to write your own
> parser (e.g. .edit xml_to_struct__define.pro) right?
>
> But is there a possibility to build up a struct automatically? E.g. the
> input .xml file
>
> <Solar_System>
>   <Planet NAME='Mercury'>
>     <Orbit UNITS='kilometers' TYPE='ulong64'>579100000</Orbit>
>     <Period UNITS='days' TYPE='float'>87.97</Period>
>     <Satellites TYPE='int'>0</Satellites>
>   </Planet>
>   ...
> </Solar_System>
>
> output in IDL (structs within a "main" struct) the name of struct and
> tags depends on the name of elements and the attributes
>
> solar_system={solar_system,planet:{planet,orbit:
> {orbit,units:'kilometers',type:'ulong64',value:'579100000'}, period:
> {period,units:'days',type:'float',value:'87.97'},satellites:
> {satellites,type:'int',value:'0'}}}
>
> print, solar_system.planet.orbit
> { kilometers ulong64 579100000}
>
> print, solar_system.planet.orbit.value
> 579100000
>
> My questions are now: Should I write my own parser? Should I wait for
> IDL8, maybe there are more adv. features for XML? Or does someone have
> already such a routine?
>
> thanks,
> Sebastian
```

Have you looked into xml\_to\_struct\_\_define.pro example provided with the IDL distribution?

I would think you have, as the Solar System XML is the example they use to turn into a structure.

IDL Help provides a tutorial for this example code.

Kelly Dean  
Fort Collins, CO

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Subject: Re: read XML with IDL  
Posted by [Karl\[1\]](#) on Wed, 14 Jul 2010 19:16:29 GMT  
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On Jul 14, 7:58 am, kBob <krd...@gmail.com> wrote:  
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>  
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> Kelly Dean
> Fort Collins, CO
```

IDLffXMLSAX  
and  
IDLffXMLDOM

are two XML parsers that come with IDL. I think that the SAX parser  
would help here.

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