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Subject: Re: Anyone using IUE software library in IDL?  
Posted by [wlandsman@jhu.edu](mailto:wlandsman@jhu.edu) on Sun, 27 May 2007 03:28:11 GMT  
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On May 26, 6:03 pm, "Richard G. French" <rfre...@wellesley.edu> wrote:  
> I have a colleague who is trying to use the IDL library of routines to  
> analyze IUE (UV stellar spectra) data. I downloaded the latest IUE library  
> for her, and now it seems that every routine requires that the structure  
> variable !IUE be defined somewhere.>

I have an old IUE startup file that defines !IUE this way.

```
location = '/stis0/data31/landsman/rdaf/'  
defsysv,'!IUE',{dat:location + 'iuelib/dat/', $  
               exe:location + 'iuelib/exe/', $  
               inf:location + 'iuelib/inf/', $  
               expr:location + 'experimental/', $  
               mlog:location + 'database/mergelog/', $  
               kandp:location + 'database/kandp/', $  
               stds:'/opt/local/src/iue/iueatlas/stdstars/', $  
               database:location + 'database/mergelog/:'+ location  
+ $  
               'database/kurucz/:'+location+'database/copern/'}  
so that it is a structure where each tag is a scalar string giving a  
directory name (e.g. where the data files are located, where the  
experimental procedures are located, where the standard star library  
is located, etc.)
```

```
IDL> help,/str,!IUE  
** Structure <1f8828>, 8 tags, length=128, data length=128, refs=2:  
    DAT      STRING  '/stis0/data31/landsman/rdaf/iuelib/  
dat'...  
    EXE      STRING  '/stis0/data31/landsman/rdaf/iuelib/  
exe'...  
    INF      STRING  '/stis0/data31/landsman/rdaf/iuelib/  
inf'...  
    EXPR     STRING  '/stis0/data31/landsman/rdaf/  
experiment'...  
    MLOG     STRING  '/stis0/data31/landsman/rdaf/database/  
m'...  
    KANDP    STRING  '/stis0/data31/landsman/rdaf/database/  
k'...  
    STDS     STRING  '/opt/local/src/iue/iueatlas/stdstars/'  
    DATABASE STRING  '/stis0/data31/landsman/rdaf/database/  
m'...
```

I haven't actually used the IUE software (<http://archive.stsci.edu/iue/>

uedac.html) for about 4 years, so no guarantees... --Wayne

--Wayne

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