Subject: File handeling architecture hints wanted
Posted by Runar Joergensen on Wed, 15 Jan 1997 08:00:00 GMT
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Do someone have an idea how to build, maintain and explore an dynamic data file architecture?

I'll elaborate a little more. My data is buried deep down in a dynamic file structure. Since this structure is changing, I need my IDL application to be able to follow/exploit new directories and appended files. It's not very dynamic, but changes, i.e. is extended, a couple of times during the year. Just enough so that maintaining hard coded directory paths would be a pain in the ... The structure looks something like this:

```
     |-ss1 - ..
     |              |- mm1 - datafiles
root--|-ss2 ----- yy1 -|- mm2 - datafiles
     |       |
     |       |- yy2 -..
     :       :
     :       :      |- mm1 - datafiles
     :       :      |- mm2 - datafiles
     :       |- yyn -|
     :              :
     |              |- mmn - datafiles
     |-ssn-1 -..
     |              |- mm1 - datafiles
     |-ssn ----- yy1 -|- mm2 - datafiles
              :      :
              |      |- mmn - datafiles
              |
              |- yy2 -..
              :
              :      |- mm1 - datafiles
              :      |- mm2 - datafiles
              |- yyn -|
                     :
                     |- mmn - datafiles
```

Thus, I need to select on three levels, ss*, yy* and mm* to find the actual datafiles. Now, I thought of a nested structure architecture (three levels), and I've implemented something that gives me access to the datafiles through

file=ss().yy().mm().file

I works, but this solution requires that I know a lot about the structure

to be able to access it. Any better architectures?

Thanks in advance.

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