

Re: Need help with user-written routine in SOR\$

Source: <http://unix.derkeiler.com/Newsgroups/comp.os.vms/2005-01/0143.html>

briggs_at_encompasserve.org

Date: 01/04/05

Date: 4 Jan 2005 08:15:15 -0600

In article <EBce7tBhsjo5@eisner.encompasserve.org>, briggs@encompasserve.org writes:

- > *I take that to mean that*
- >
- > *ADRS1 is one record contents by reference*
- >
- > *ADRS2 is the other record contents by reference*
- >
- > *LENG1 is a 16 bit word containing the length of the one record by reference*
- >
- > *LENG2 is a 16 bit word containing the length of the other record by reference*
- >
- > *CNTX is an unininterpreted argument. The type and mechanism you choose*
- > *when you pass it in SOR\$BEGIN_SORT should match the ones you use when*
- > *you retrieve it in your user equal routine.*

Testing appears to confirm this. Minimal Fortran code based on the above interpretation follows.

I did not try to push the envelope by trying to sort records larger than 32K bytes to test whether the length words were signed nor did I try to sort records larger than 64K bytes to test whether the length could occupy 32 bits rather than 16.

The context argument that I chose was longword 0 by value — the default for a missing argument. Probably I was over-paranoid there, specifying it explicitly a couple places rather than consistently omitting it everywhere.

```
options /extend_source
implicit none
```

```
integer sor$begin_sort
integer sor$pass_files
integer sor$sort_merge
integer sor$end_sort
integer user_equal
integer user_compare
external user_equal
```

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```
external user_compare
```

```
integer status
```

```
status = sor$pass_files ( 'input.dat', 'output.dat' )  
if ( .not. status ) then
```