
Subject: Re: Compiling Fortran sources in Thelde
Posted by [koldo](#) on Mon, 29 Jul 2019 08:03:29 GMT
[View Forum Message](#) <> [Reply to Message](#)

An additional detail.

Actual demo launches a SEGFAULT using gfortran 64 bits.

To fix it, this could be done:

- In Fortran code, declare string as
`character(len=80) :: cc = char(0)`

- In C code, remove

```
cc[ll--] = '\0'; // NULL terminate the string
```

This is due in `void writelog_(char *cc, int ll)`, ll has the original dimension (80), but as gfortran seems to trim the length to the real string, returned string is shorter so assigning a '\0' to 80-1 access to non allocated memory, creating the SEGFAULT

- Assign the class pointer in the constructor:

```
tfp = this;
```

If not, calling `tfp->WriteLog(cc)`; may fail.
