Subject: Re: Compiling Fortran sources in Thelde Posted by koldo on Mon, 29 Jul 2019 08:03:29 GMT

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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[II--] = '\0'; // NULL terminate the string

This is due in void writelog\_( char \*cc, int II ), II 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, creatintg the SEGFAULT

Assign the class pointer in the constructor:
tfp = this;

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