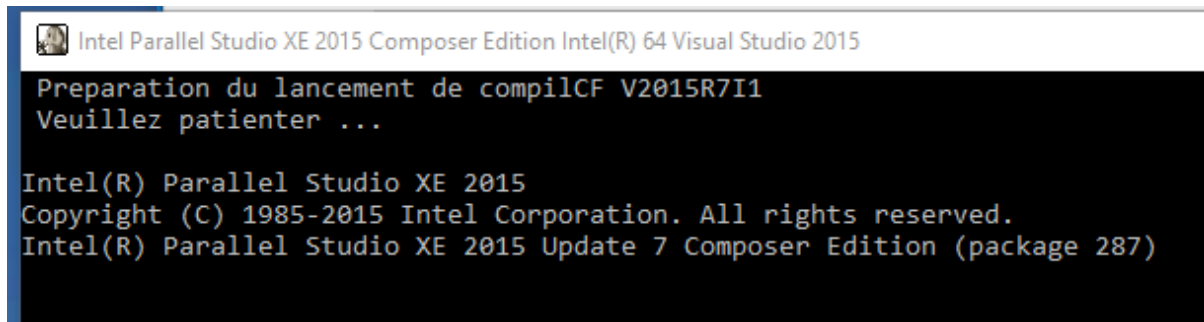
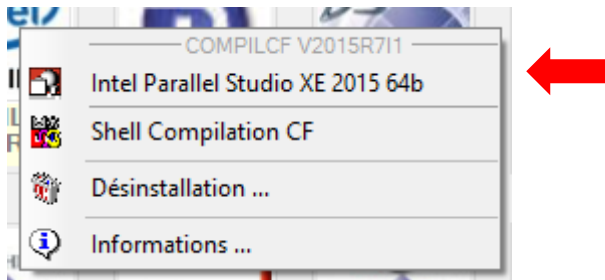


Context: compiling a fortran program in a shell window



The problem concerns the Link phase

The shell window in which the link operation takes place closes prematurely and the error messages are not visible (missing routine, parameter error, ...).

**Illustration :**

1st example , OK

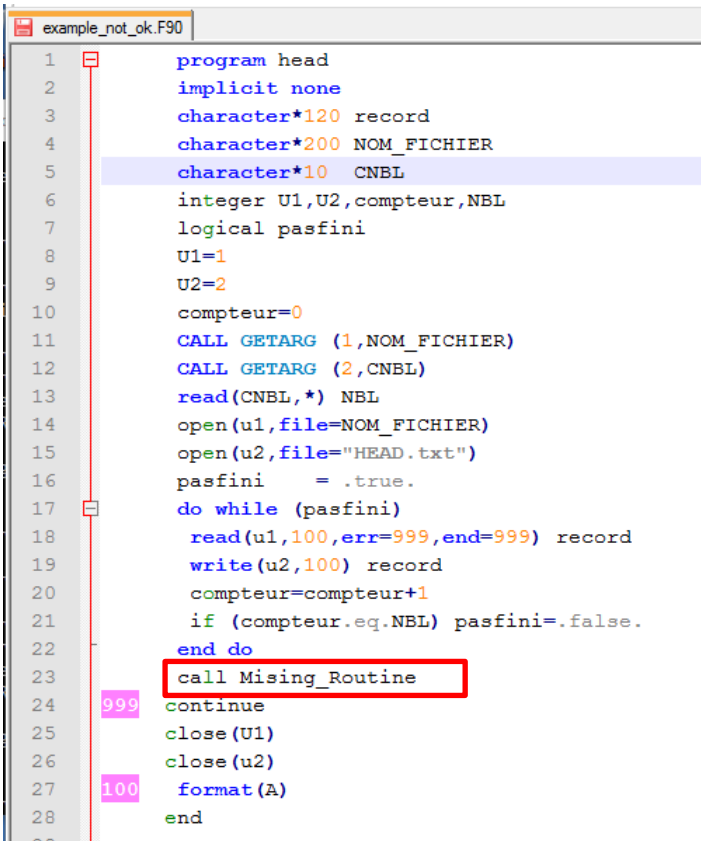
```
example_ok.F90
1  program head
2  implicit none
3  character*120 record
4  character*200 NOM_FICHER
5  character*10  CNBL
6  integer U1,U2,compteur,NBL
7  logical pasfini
8  U1=1
9  U2=2
10 compteur=0
11 CALL GETARG (1,NOM_FICHER)
12 CALL GETARG (2,CNBL)
13 read(CNBL,*) NBL
14 open(u1,file=NOM_FICHER)
15 open(u2,file="HEAD.txt")
16 pasfini = .true.
17 do while (pasfini)
18   read(u1,100,err=999,end=999) record
19   write(u2,100) record
20   compteur=compteur+1
21   if (compteur.eq.NBL) pasfini=.false.
22 end do
23 999 continue
24 close(U1)
25 close(u2)
26 100 format(A)
27 end
```

Compilation like that :

```
del *.obj
del example_ok.exe

ifort "/noinclude" head.F90 /exe:example_ok.exe
```

2nd example , not OK



```
example_not_ok.F90
1  program head
2  implicit none
3  character*120 record
4  character*200 NOM_FICHER
5  character*10 CNBL
6  integer U1,U2,compteur,NBL
7  logical pasfini
8  U1=1
9  U2=2
10 compteur=0
11 CALL GETARG (1,NOM_FICHER)
12 CALL GETARG (2,CNBL)
13 read(CNBL,*) NBL
14 open(u1,file=NOM_FICHER)
15 open(u2,file="HEAD.txt")
16 pasfini = .true.
17 do while (pasfini)
18   read(u1,100,err=999,end=999) record
19   write(u2,100) record
20   compteur=compteur+1
21   if (compteur.eq.NBL) pasfini=.false.
22 end do
23 call Missing_Routine
24 999 continue
25 close(U1)
26 close(u2)
27 100 format(A)
28 end
```

In case there is a problem during the link phase, for example here a missing subroutine:

Compilation like that :

```
del *.obj
del example_not_ok.exe

ifort "/noinclude" example_not_ok.F90 /exe:example_not_ok.exe
```

The .obj file is created , but not the .exe file

example\_not\_ok.obj

There is no error message visible, so it is not possible to know what is the error in case the program doesn't success the link phase.

Cause of this problem:

The link process start in a new shell window , that close just after , so all error message are not readable

Solution

The link process should start In the same command window that the compilation process.