



**NAME**

**fsp.open** – OPEN/CAESAR connection for the FSP language

**SYNOPSIS**

**fsp.open** [-root *root-process*] [-silent | -verbose] [-version] [*exp\_options*] *filename*[.its] [*cc\_options*] *prog*[.a|.c|.o] [*prog\_options*]

**DESCRIPTION**

Taking as input *filename.its* (which describes a process in the FSP language of Magee & Kramer, Imperial College, London) and an OPEN/CAESAR program *prog*[.a|.c|.o], **fsp.open** operates as follows:

- First, it translates *filename.its* into an EXP.OPEN network of automata *filename.exp*, using **fsp2lotos**(LOCAL) and **svl**(LOCAL). See **fsp2lotos**(LOCAL) for more information.
- Second, it calls “**exp.open** *filename.exp* [*cc\_options*] *prog*[.a|.c|.o] [*prog\_options*]”, passing to **exp.open** appropriate options that depend on the options passed to **fsp.open** (see below). See **exp.open**(LOCAL) for more information.  
However, if *prog* is the “-” string (instead of the name of an OPEN/CAESAR application program), **fsp.open** will execute only the first step (translation into an EXP.OPEN network of automata) and then stop without invoking **exp.open**. In such case, the files generated during the first step are not removed, thus allowing the generated EXP.OPEN network of automata to be used for other purpose than OPEN/CAESAR.

**OPTIONS****-root** *root-process*

Use the process *root-process* as the main process. This option is passed to **fsp2lotos**(LOCAL). See **fsp2lotos**(LOCAL) for more information.

**-silent** Execute silently. This option is passed to **exp.open**(LOCAL) and **svl**(LOCAL). See **exp.open**(LOCAL) and **svl**(LOCAL) for more information.

**-verbose**

Report activities and progress, including errors and messages emitted by auxiliary tools, to the user’s screen. This option is passed to **exp.open**(LOCAL) and **svl**(LOCAL). See **exp.open**(LOCAL) and **svl**(LOCAL) for more information.

**-version**

Display the version number of **fsp2lotos**(LOCAL) and stop.

*exp\_options*

if any, are passed to **exp.open**(LOCAL).

*cc\_options*

if any, are passed to the C compiler.

*prog\_options*

if any, are passed to *prog*.

**OPERANDS**

<i>filename.its</i>	FSP specification (input)
<i>prog.a</i>	exploration module (archive, input)
<i>prog.c</i>	exploration module (source, input)
<i>prog.o</i>	exploration module (object code, input)
<i>prog</i>	executable program (output)

**FILES**

**\$CADP\_TMP/fsp.\*** temporary files  
**\$CADP/lib/FSP\_V1.lib** FSP predefined library (LOTOS code)  
**\$CADP/incl/FSP\_V1.h** FSP predefined library (C code)

**EXIT STATUS**

When the source is erroneous, error messages are issued. Exit status is 0 if everything is alright, 1 otherwise.

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**SEE ALSO**

**exp(LOCAL), exp.open(LOCAL), fsp2lotos(LOCAL), lotos(LOCAL), svl(LOCAL), svl-lang(LOCAL)**

Additional information is available from the CADP Web page located at <http://cadp.inria.fr>

Directives for installation are given in files **\$CADP/INSTALLATION\_\***.

Recent changes and improvements to this software are reported and commented in file **\$CADP/HISTORY**.

**BUGS**

Please report any bug to [cadp@inria.fr](mailto:cadp@inria.fr)