

NAME

chsm2c++ – CHSM-to-C++ compiler

SYNOPSIS

chsm2c++ [*options*] *source-file declaration-file definition-file*

DESCRIPTION

chsm2c++ is the Concurrent Hierarchical Finite State Machine compiler for C++.

Unless the **-E** option is used, **chsm2c++**, given a CHSM description in *source-file*, produces two C++ source files: a declaration file and a definition file. The files are suitable for subsequent compilation with a C++ compiler; however, additional **-I**, **-L**, and **-I** options may need to be given for the compilation to succeed depending on where the CHSM include file and libraries have been installed. The **chsmc(1)** driver script is ordinarily configured to supply the necessary options to the underlying C++ compiler; hence, its use is preferred over using **chsm2c++** directly.

OPTIONS

- E** Send all the generated C++ code to standard output instead of producing the declaration and definition files.
- P** Suppress `#line` directives in the generated C++ code.
- S** Produce semantic stack debugging information. (Such information is useful only to developers modifying the CHSM grammar.) Note: The software must have been compiled with `PJL_STACK_DEBUG` defined, otherwise a warning message is issued and the option is ignored.
- v** Print the version number of **chsm2c++** and exit.
- Y** Turn on **yacc(1)** debugging output. (Such information is useful only to developers modifying the CHSM grammar.) Note: The software must have been compiled with `YYDEBUG` defined, otherwise a warning message is issued and the option is ignored.

FILES

chsm_pid temporary file

EXAMPLE

```
chsm2c++ hello.chsm hello.h hello.c
```

SEE ALSO

chsmc(1), **yacc(1)**, **chsm(4)**

DIAGNOSTICS

The diagnostics produced by **chsm2c++** itself are intended to be self-explanatory.

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