

**NAME**

chsmj – CHSM-to-Java compiler driver script

**SYNOPSIS**

**chsmj** [ *options* ] *source-file*

**DESCRIPTION**

**chsmj** is the front-end to the Concurrent Hierarchical Finite State Machine compiler for Java. The command uses **chsm2java**(1) for syntax checking, type checking, intermediate Java code generation and a Java compiler for code generation.

For the CHSM source file, *source.chsmj*, **chsmj** creates a temporary file, *source.java*, containing the generated Java code in the current directory for subsequent compilation with a Java compiler. The **-k** (keep) option preserves the file.

**OPTIONS**

Options begin with a ‘-’ for short options. In addition to the options described below, **chsmj** accepts other options via the **-O** option and passes them on to the Java compilation system tools. See your Java compiler manual page for Java compiler options.

The following options apply to the CHSM-specific parts of the compilation process:

- c**                Passed to the Java compiler to specify a class-path.
- E**                Run only **chsm2java**(1) on the CHSM source file and send the result to standard output.
- g**                Passed to the Java compiler to produce additional debugging information.
- k**                Leaves the intermediate Java files in the current directory after the compilation process.
- n**                No-execute mode. Parse the command-line, but do not execute any commands.
- O“*other*”**       Pass the comma-separated argument string “*other*” to the Java compiler to allow implementation-dependent options to be specified. Note the requirement of the initial comma.
- s**                Passed to the Java compiler to specify a source-path.
- v**                Print the version number of **chsm2java**(1) and exit.
- V**                Print command-lines for **chsm2java**(1) and/or the Java compiler prior to execution.

**FILES**

<i>file.chsmj</i>	chsm-Java source file
<i>file.java</i>	intermediate Java definition file
<i>file.class</i>	class file
<b>chsmj</b>	CHSM-to-Java driver shell script
<b>chsm2java</b>	CHSM-to-Java compiler
<i>chsm.jar</i>	CHSM run-time library

**ENVIRONMENT**

The following environment variables are set within the **chsmj** driver script, but can be set in the environment to override various settings:

JAVAC	The Java compiler.
JAVA_CLASSPATH_OPT	The option used to specify a class-path to the Java compiler.
JAVAC_SOURCEPATH_OPT	The option used to specify a source-path to the Java compiler.
JAVAC_FLAGS	Additional flags for the Java compiler.
CHSM2JAVA	The CHSM-to-Java compiler.

CHSM2JAVA\_FLAGS

CHSM-to-Java compiler flags.

CHSM\_JAR The location of the CHSM jar file (`chsm.jar`).

## SEE ALSO

`chsm2java(1)`, `javac(1)`, `chsm-java(4)`

## DIAGNOSTICS

The diagnostics produced by `chsmj` itself are intended to be self-explanatory.

## AUTHORS

Paul J. Lucas <[paul@lucasmail.org](mailto:paul@lucasmail.org)>

Fabio Riccardi <[fabio.riccardi@mac.com](mailto:fabio.riccardi@mac.com)>