

NAME

Int.open – OPEN/CAESAR connection for the LNT language

SYNOPSIS

Int.open [-depend] [-force] [-root *root-process*] [-silent | -verbose] [-version] [*lotos_options*] *filename*.**Int** [*cc_options*] *prog*[.a|.c|.o] [*prog_options*]

DESCRIPTION

Taking as input *filename*.**Int** (which contains the principal module of a LNT specification) and an OPEN/CAESAR program *prog*[.a|.c|.o], **Int.open** operates as follows:

- First, it pre-processes *filename*.**Int** and all transitively imported modules using **lpp**(LOCAL). See **lpp**(LOCAL) for more information.
- Second, it translates the pre-processed LNT specification *filename*.**Int** (including all transitively imported modules) into a LOTOS specification using **Int2lotos**(LOCAL). See **Int2lotos**(LOCAL) for more information.
- Third, it calls “**lotos.open** *filename*.**lotos** [*cc_options*] *prog*[.a|.c|.o] [*prog_options*]”, passing to **lotos.open** (and, transitively, **caesar.adt** and **caesar**) appropriate options that depend on the options passed to **Int.open** (see below). See **lotos.open**(LOCAL), **caesar.adt**(LOCAL), and **caesar**(LOCAL) for more information.

However, if *prog* is the “-” string (instead of the name of an OPEN/CAESAR application program), **Int.open** will execute only the first two steps (pre-processing and translation into a LOTOS specification) and then stop without invoking **lotos.open**. In such case, the files generated during the first two steps are not removed, thus allowing the generated LOTOS specification to be used for other purposes than OPEN/CAESAR (e.g., for rapid prototyping with EXEC/CAESAR).

OPTIONS**-depend**

List all the LNT files transitively included in *filename*.**Int** and exit. Not a default option.

-force Overwrite output files, even if they were edited by the user or do not need to be updated. This option is passed to **lpp**(LOCAL), **Int2lotos**(LOCAL), and **lotos.open**(LOCAL). See **lpp**(LOCAL), **Int2lotos**(LOCAL), and **lotos.open**(LOCAL) for more information.

-root *process-instantiation*

Use the process *process-instantiation* as the main process. It is an error if the LNT specification does not contain a corresponding process definition. This option is passed to **Int2lotos**(LOCAL). See **Int2lotos**(LOCAL) for more information.

-silent Execute silently. This option is passed to **lpp**(LOCAL), **Int2lotos**(LOCAL), and **lotos.open**(LOCAL). See **lpp**(LOCAL), **Int2lotos**(LOCAL), and **lotos.open**(LOCAL) for more information.

-verbose

Report in detail activities and progress, including errors and messages emitted by auxiliary tools, to the user’s screen. This option is passed to **lpp**(LOCAL), **Int2lotos**(LOCAL), and **lotos.open**(LOCAL). See **lpp**(LOCAL), **Int2lotos**(LOCAL), and **lotos.open**(LOCAL) for more information.

-version

Display the version number of **Int2lotos**(LOCAL) and stop.

lotos_options

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

cc_options
if any, are passed to the C compiler.

prog_options
if any, are passed to *prog*.

OPERANDS

<i>filename.lnt</i>	LNT specification (input)
<i>filename.tnt</i>	C code for data types (source, input)
<i>filename.fnt</i>	C code for functions (source, input)
<i>filename.o</i>	object code (output)
<i>filename.err</i>	detailed error messages (output)
<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/lnt.*	temporary files
\$CADP/lib/LNT_V1.lib	LNT predefined library (LOTOS code)
\$CADP/incl/LNT_V1.h	LNT 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.

AUTHORS

Hubert Garavel, Wendelin Serwe, and Gideon Smeding (INRIA Rhone-Alpes).

SEE ALSO

caesar(LOCAL), **caesar.adt**(LOCAL), **lotos**(LOCAL), **lotos.open**(LOCAL), **lnt2lotos**(LOCAL), **lpp**(LOCAL), and the "Reference Manual of the LNT to LOTOS Translator" available from <http://cadp.inria.fr/publications/Champelovier-Clerc-Garavel-et-al-10.html>

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