

NAME

bcg_open – OPEN/CAESAR connection for graphs encoded in the BCG format

SYNOPSIS

bcg_open [*bcg_options*] *filename*[**.bcg**] [*cc_options*] *prog*[**.a**]**.c****.o**] [*prog_options*]

DESCRIPTION

Taking as input a BCG graph *filename.bcg* and an OPEN/CAESAR program *prog*[**.a**]**.c****.o**], **bcg_open** generates an executable program *prog* performing appropriate calls to the BCG programs and the C compiler. Finally, *prog* is executed.

According to the principles of the OPEN/CAESAR architecture, *prog* is obtained by combining three different modules:

- the graph module is generated from *filename.bcg*
- the storage module is the standard OPEN/CAESAR library
- the exploration module is *prog*[**.a**]**.c****.o**]

PROCESSING OF THE GRAPH MODULE

A dynamic library corresponding to *filename.bcg* may be generated if necessary.

PROCESSING OF THE EXPLORATION MODULE

The exploration module *prog*[**.a**]**.c****.o**] is supposed to contain an OPEN/CAESAR application program, such as **exhibitor**, **evaluator**, **terminator**...

The exploration module can be supplied in three different forms. It can be either an archive file (with **.a** suffix), or a source C program (with **.c** suffix) or an object code file (with **.o** suffix).

If *prog.a* is not present in the current directory, **bcg_open** attempts to fetch it in the OPEN/CAESAR binary library **\$CADP/bin.'arch'**.

If *prog.c* is not present in the current directory, **bcg_open** attempts to fetch it in the OPEN/CAESAR source library **\$CADP/src/open_caesar**.

If *prog.o* is not present in the current directory, **bcg_open** attempts to fetch it in the OPEN/CAESAR binary library **\$CADP/bin.'arch'**.

If no suffix (**.a**, **.c**, **.o**) is specified on the command line for the exploration module *prog*, **bcg_open** will make successive attempts to fetch this exploration module: first, as a source C program with **.c** suffix; then as an archive file with **.a** suffix; finally as an object code file with suffix **.o**.

DETERMINATION OF INCLUDE OR LINK MODE

Only the “link mode” of OPEN/CAESAR is supported by **bcg_open**.

GENERAL OPTIONS

The following *bcg_options* are currently supported: **-version**, **-create**, **-update**, **-remove**, **-cc**, and **-tmp**. See the **bcg**(LOCAL) manual page for a description of these options.

PARTICULAR OPTIONS

The *cc_options*, if any, are passed to the C compiler.

The *prog_options*, if any, are passed to *prog*.

ENVIRONMENT VARIABLES

See the **bcg(LOCAL)** manual page for a description of the environment variables used by all the BCG application tools.

EXIT STATUS

Exit status is 0 if everything is alright, 1 otherwise.

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OPERANDS

<i>filename.bcg</i>	BCG graph (input)
<i>filename@l.o</i>	dynamic library (input or 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/com/bcg_open	“ bcg_open ” shell script
\$CADP/bin.‘arch’/libbcg_open.a	“ bcg_open ” static library
\$CADP/incl/caesar_*.h	OPEN/CAESAR interfaces
\$CADP/bin.‘arch’/libcaesar.a	OPEN/CAESAR library
\$CADP/src/open_caesar/*.c	exploration modules (source)
\$CADP/bin.‘arch’/*.a	exploration modules (archive)
\$CADP/bin.‘arch’/*.o	exploration modules (object code)

See the **bcg(LOCAL)** manual page **bcg** for a description of the other files).

SEE ALSO

bcg(LOCAL), **lotos.open(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 bugs to Hubert.Garavel@inria.fr