

NAME

contributor – CADP contribution assistant

SYNOPSIS

contributor

DESCRIPTION

This program is a utility that you can use to contribute to CADP testing, by sending files to be added to the regression test suite. You can use it to select files on your computer and to send them by FTP transfer to the CADP development team. Your files will help our continuing efforts to improve quality and stability of CADP, and your contribution ensures that we will test features that are of particular interest to you.

The files that you contribute are related to CADP, such as LOTOS specifications, BCG graphs, MCL or XTL formulas, Boolean equation systems, etc. They are treated as confidential and used only by the CADP team for testing future versions of CADP.

contributor runs on your local machine, making no network connection except to send your contribution to the CADP team by FTP at the end of processing.

You have complete control over when you use **contributor**. You choose the directories that **contributor** is allowed to search, and the types of files (by specifying the file extensions) that **contributor** is allowed to consider. To refine this set of directories and files, **contributor** has also built-in rules that attempt to select only those files that are relevant for testing CADP tools.

Additionally, you have an opportunity to review the set of selected files and to exclude any that you do not wish to send.

contributor does not send files you have previously contributed (to avoid duplicates) nor files that you have already excluded during a previous invocation of **contributor**.

Running **contributor** only takes a few minutes, and it has no impact on other CADP components. You are recommended to run it every six months and on completion of significant work, which will help the CADP team to keep the regression test suite up to date and in line with the needs of CADP users. Use of **contributor** is completely optional, but is greatly appreciated.

PREFERENCES AND RULES

Each time you use **contributor**, it saves (in a directory named `~/.config/cadp/contributor`) information about the preferences you specified for **contributor**, such as the list of directories to search, the file extensions to consider, the files you specifically excluded, the files already sent, etc. This information is used the next time you use **contributor**, but you can override it.

contributor has a built-in set of rules that exclude files that seem unrelated to CADP. These rules are defined for each file extension. For example, a C program (with a `.c` or `.h` file extension) will only be selected if it contains certain strings (e.g., the string `"CAESAR"`). There are also limits on the size of files that can be selected. User selection has precedence over the built-in rules, so you can decide to send any file, even if the rules would otherwise exclude it from the contribution.

USAGE

There are five steps to using **contributor**:

1. Select the directories where the files to send are located. If you are using **contributor** for the first time, your home directory is included by default.

see <http://cadp.inria.fr/man/pictures/contrib1.gif>

2. Select the file types (file extensions) of the files to be sent.

see <http://cadp.inria.fr/man/pictures/contrib2.gif>

3. Based on your selection **contributor** computes a proposed list of files to be sent, by applying your preferences and the built-in rules, not selecting files that have already been sent or files that you previously excluded.

see <http://cadp.inria.fr/man/pictures/contrib3.gif>

4. Review the proposed list, and add or exclude files to get the final list you want to send to the CADP team. You can view the content of a file by double-clicking on its name. Also, by checking the relevant boxes on the the right of the window, you can view the files that are excluded by your preferences (user-excluded files), the files that are excluded by the built-in rules (rules-excluded files), and the files that have already been sent.

see <http://cadp.inria.fr/man/pictures/contrib4.gif>

5. Using your final selection list, **contributor** creates a **.tar.gz** archive containing all the files selected, and sends it by FTP to **ftp.inrialpes.fr**.

see <http://cadp.inria.fr/man/pictures/contrib5.gif>

Note: This archive is stored in the directory specified by the **\$CADP_TMP** environment variable, or in **/tmp** if this variable is undefined. If the FTP transfer via **contributor** fails, retry the FTP transfer manually. If this is still unsuccessful, please contact the CADP team to arrange another method of transferring the file.

EXIT STATUS

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

AUTHORS

Julien Henry, Hubert Garavel, and Christine McKinty (INRIA Rhone-Alpes)

FILES

contributor is a shell script located in **\$CADP/com/contributor** that launches a Tcl/Tk script to be executed by the **wish** interpreter. The source files of **contributor** are available in directory **\$CADP/src/contributor**

SEE ALSO

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 new bugs to Hubert.Garavel@inria.fr