

**NAME**

`srcreact` – a program for redaction of text files

**SYNOPSIS**

```
srcreact [OPTIONS] -e audience [full_file]
srcreact [OPTIONS] -u audience full_file [redacted_file]
srcreact -l [full_file]
srcreact -h|-v
```

**DESCRIPTION**

**srcreact** is the program to extract “redacted versions” of the master file (option **-e**) or to incorporate the changes in the redacted versions into the master file (“unredact”, option **-u**).

The master file consists of *chunks* intended for different audiences. Each audience has a *name*, e.g. `classified`, `unclassified`, `expert` etc. Chunks are started and stopped by *guard lines*. Each guard line has the format (for the default TeX syntax)

```
%<*name1 | name2 | ...>
```

or

```
%</name1 | name2 | ...>
```

In the first cases the text following the guard is *included* for the audiences `name1`, `name2`, .... In the second case it is *excluded* for these audiences.

There is a special audience `ALL`: a wild card for all audiences. Thus the idiom

```
%</ALL>
%<*classified>
```

means that the chunk is excluded for all audiences but `classified`

Exactly one of the options **-e** (extract) or **-u** (unextract) must be present. In the extract mode the non-option argument is the name of the full file. If it is absent, or is `-`, standard input is used. In the unextract mode the first non-option argument

**OPTIONS**

**-c** *list of comment patterns*

Use the given pattern for comment lines to search for guards instead of the default TeX pattern. The recognized patterns are:

**c**  
/\*<guard>\*/

**cpp**  
//<guard>

**fortran**  
C<guard>

**shell**  
#<guard>

**TeX**  
%<guard>

The pattern names should be separated by commas, and the list may be enclosed in quotes to

prevent shell expansion, e.g

```
-c "TeX, c, shell"
```

**-d** Debug mode on.

**-e audience**

Extract the contents for the current audience into the file *file*. The current audience is guessed from the *file* name, if the latter has the structure *base-audience.extension*, e.g. *report-unclassified.tex*. The key **-a** overrides this guess and should be used if the file name does not follow this pattern. The file name – means the standard output.

**-h** Print help information and exit.

**-l** List all audiences set in the file (one per line) and exit.

**-u audience**

Take a edited file intended for the *audience* (the second non-option argument) and incorporate the changes in it into the full file (the first non-option argument). If the second argument is missing, standard input is used instead. As usual, – also means standard input. Note that only one of the two file arguments in this case can be standard input.

**-v** Print version information and exit.

**-w on/off/1/0/true/false**

If on, 1 or true (the default), implicitly wrap the full document into the guards

```
%<*ALL>
```

```
...
```

```
%</ALL>
```

## RETURN VALUE

The program returns 0 if successful, 1 if conflicts were found in the unextract mode and 2 in case of problems.

## CONFLICTS IN UNEXTRACT MODE

Like the standard *diff3*(1) tool, the program may find conflicts between the full version and the edited one in the **-u** mode. Then the resulting file brackets the conflicts in the usual manner, e.g.

```
<<<<< /tmp/BrjXo0hMOB/full
%</nobonds>
Forty-five tons best old dry government bonds, suitable for furnace, gold
7 per cents., 1864, preferred.
%<*nobonds>
||||||| /tmp/BrjXo0hMOB/extracted
Forty-five tons best old dry government bonds, suitable for furnace, gold
7 per cents., 1864, preferred.
=====
>>>>> /tmp/BrjXo0hMOB/new
```

Here *full* is the full document, *extracted* is the extracted file for the given audience, *new* is the edited file.

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