

NAME

srcredact – a program for redaction of text files

SYNOPSIS

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

DESCRIPTION

srcredact 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 an 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.

AUTHOR

Boris Veytsman, borisv@lk.net

This work was commissioned by Consumer Financial Protection Bureau, United States Treasury.

LICENSE AND COPYRIGHT

Copyright (C) 2015 Boris Veytsman. Version 1.0

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA