

**NAME**

**captoinfo** - convert a *termcap* description into a *terminfo* description

**SYNOPSIS**

**captoinfo** [-vn *width*] [-V] [-1] [-w *width*] *file* . . .

**DESCRIPTION**

**captoinfo** looks in each given text *file* for **termcap** descriptions. For each one found, an equivalent **terminfo** description is written to standard output. Termcap **tc** capabilities are translated directly to terminfo **use** capabilities.

If no *file* is given, then the environment variable **TERMCAP** is used for the filename or entry. If **TERMCAP** is a full pathname to a file, only the terminal whose name is specified in the environment variable **TERM** is extracted from that file. If the environment variable **TERMCAP** is not set, then the file **/etc/terminfo** is read.

- v print out tracing information on standard error as the program runs.
- V print out the version of the program in use on standard error and exit.
- 1 cause the fields to print out one to a line. Otherwise, the fields will be printed several to a line to a maximum width of 60 characters.
- w change the output to *width* characters.

**FILES**

**/etc/terminfo** Compiled terminal description database.

**TRANSLATIONS FROM NONSTANDARD CAPABILITIES**

Some obsolete nonstandard capabilities will automatically be translated into standard (SVr4/XSI Curses) terminfo capabilities by **captoinfo**. Whenever one of these automatic translations is done, the program will issue an notification to stderr, inviting the user to check that it has not mistakenly translated a completely unknown and random capability and/or syntax error.

| Nonstd name | Std name | From  | Terminfo capability    |
|-------------|----------|-------|------------------------|
| BO          | mr       | AT&T  | enter_reverse_mode     |
| CI          | vi       | AT&T  | cursor_invisible       |
| CV          | ve       | AT&T  | cursor_normal          |
| DS          | mh       | AT&T  | enter_dim_mode         |
| EE          | me       | AT&T  | exit_attribute_mode    |
| FE          | LF       | AT&T  | label_on               |
| FL          | LO       | AT&T  | label_off              |
| XS          | mk       | AT&T  | enter_secure_mode      |
| EN          | @7       | XENIX | key_end                |
| GE          | ae       | XENIX | exit_alt_charset_mode  |
| GS          | as       | XENIX | enter_alt_charset_mode |
| HM          | kh       | XENIX | key_home               |
| LD          | kL       | XENIX | key_dl                 |
| PD          | kN       | XENIX | key_npage              |
| PN          | po       | XENIX | prtr_off               |
| PS          | pf       | XENIX | prtr_on                |
| PU          | kP       | XENIX | key_ppage              |
| RT          | @8       | XENIX | kent                   |
| UP          | ku       | XENIX | kcuu1                  |
| KA          | k;       | Tek   | key_f10                |
| KB          | F1       | Tek   | key_f11                |
| KC          | F2       | Tek   | key_f12                |
| KD          | F3       | Tek   | key_f13                |

|    |    |      |                |
|----|----|------|----------------|
| KE | F4 | Tek  | key_f14        |
| KF | F5 | Tek  | key_f15        |
| BC | Sb | Tek  | set_background |
| FC | Sf | Tek  | set_foreground |
| HS | mh | Iris | enter_dim_mode |

XENIX termcap also used to have a set of extension capabilities for forms drawing, designed to take advantage of the IBM PC high-half graphics. They were as follows:

| Cap | Graphic                |
|-----|------------------------|
| G2  | upper left             |
| G3  | lower left             |
| G1  | upper right            |
| G4  | lower right            |
| GR  | pointing right         |
| GL  | pointing left          |
| GU  | pointing up            |
| GD  | pointing down          |
| GH  | horizontal line        |
| GV  | vertical line          |
| GC  | intersection           |
| G6  | upper left             |
| G7  | lower left             |
| G5  | upper right            |
| G8  | lower right            |
| Gr  | tee pointing right     |
| Gr  | tee pointing left      |
| Gu  | tee pointing up        |
| Gd  | tee pointing down      |
| Gh  | horizontal line        |
| Gv  | vertical line          |
| Gc  | intersection           |
| GG  | acs magic cookie count |

If the single-line capabilities occur in an entry, they will automatically be composed into an *acsc* string. The double-line capabilities and **GG** are discarded with a warning message.

IBM's AIX has a terminfo facility descended from SVr1 terminfo but incompatible with the SVr4 format. The following AIX extensions are automatically translated:

| IBM    | XSI  |
|--------|------|
| ksel   | kslt |
| kbtabs | kcbs |
| font0  | s0ds |
| font1  | s1ds |
| font2  | s2ds |
| font3  | s3ds |

Additionally, the AIX *box1* capability will be automatically translated to an *acsc* string.

Hewlett-Packard's terminfo library supports two nonstandard terminfo capabilities *meml* (memory lock) and *memu* (memory unlock). These will be discarded with a warning message.

**NOTES**

This utility is actually a link to **tic(1)**, running in *-I* mode. You can use other **tic** options such as **-f** and **-x**.

The trace option is not identical to SVr4's. Under SVr4, instead of following the **-v** with a trace level *n*, you repeat it *n* times.

**SEE ALSO**

[infocmp\(1\)](#), [ncurses\(3NCURSES\)](#), [terminfo\(5\)](#)

This describes **ncurses** version 5.9 (patch 20150516).

**AUTHOR**

Eric S. Raymond <esr@snark.thyrsus.com> and  
Thomas E. Dickey <dickey@invisible-island.net>