

NAME

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

SYNOPSIS

captoinfo [*tic-option*] [*file* ...]

captoinfo -V

DESCRIPTION

captoinfo translates terminal descriptions. It looks in each given text *file* for *termcap* entries and, for each one found, writes an equivalent *terminfo* description to the standard output stream. *termcap* **tc** capabilities translate to *terminfo* “**use**” capabilities.

If no *files* are specified, **captoinfo** interprets the content of the environment variable *TERMCAP* as a file name, and extracts only the entry for the terminal type named in the environment variable *TERM* from it. If the environment variable *TERMCAP* is not set, **captoinfo** reads */etc/termcap*.

This utility is implemented as a link to **tic**(1M), with the latter’s **-I** option implied. You can use other **tic** options such as **-1**, **-f**, **-v**, **-w**, and **-x**. The **-V** option reports the version of *ncurses* associated with this program and exits with a successful status.

Translations from Nonstandard Capabilities

captoinfo translates some obsolete, nonstandard capabilities into standard *terminfo* capabilities. It issues a diagnostic to the standard error stream for each, inviting the user to check that it has not mistakenly translated an unknown or mistyped capability name.

<i>termcap</i> Code		Origin	<i>terminfo</i> capability
Obsolete	Standard		
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;	Tektronix	key_f10
KB	F1	Tektronix	key_f11
KC	F2	Tektronix	key_f12
KD	F3	Tektronix	key_f13
KE	F4	Tektronix	key_f14
KF	F5	Tektronix	key_f15
BC	Sb	Tektronix	set_background
FC	Sf	Tektronix	set_foreground
HS	mh	IRIX	enter_dim_mode

XENIX *termcap* had a set of extension capabilities, corresponding to box drawing characters of CCSID (“code page”) 437, as follows.

<i>termcap</i> Code	Graphic
G2	upper left corner
G3	lower left corner
G1	upper right corner
G4	lower right corner
GR	tee pointing right
GL	tee pointing left
GU	tee pointing up
GD	tee pointing down
GH	horizontal line
GV	vertical line
GC	intersection
G6	double upper left corner
G7	double lower left corner
G5	double upper right corner
G8	double lower right corner
Gr	double tee pointing right
Gr	double tee pointing left
Gu	double tee pointing up
Gd	double tee pointing down
Gh	double horizontal line
Gv	double vertical line
Gc	double intersection
GG	ACS magic cookie count

captoinfo composes single-line box-drawing capabilities into a *terminfo* **acs_chars** (**acsc**) string capability, and discards **GG** and double-line capabilities with a warning diagnostic.

AIX has a *terminfo* facility descended from SVr2 *terminfo*, but which is incompatible with the SVr4 format. **captoinfo** translates the following AIX extensions.

IBM	X/Open
ksel	kslt
kbtabs	kcbt
font0	s0ds
font1	s1ds
font2	s2ds
font3	s3ds

It furthermore translates the AIX **box1** capability to an **acs_chars** (**acsc**) string capability.

The HP-UX *terminfo* library supports two nonstandard *terminfo* capabilities: **memory_lock** (**meml**) and **memory_unlock** (**memu**). **captoinfo** discards these with a warning message.

FILES

/etc/termcap
default *termcap* terminal capability database

EXTENSIONS

This command is an SVr4 *curses* and *ncurses* extension.

PORTABILITY

X/Open Curses Issue 7 (2009) does not specify this command.

SVr4 systems provide *captoinfo* as a separate application from *tic*. Its **-v** option does not accept a trace level argument *n*; repeat **-v n** times instead.

NetBSD does not provide this application.

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SEE ALSO

infocmp(1M), **tic**(1M), **curses**(3X), **terminfo**(5)