NAME

ckstr, errstr, helpstr, valstr – display a prompt; verify and return a string answer

SYNOPSIS

ckstr [–**Q**] [–**W** *width*] [[–**r** *regexp*] [. . .]] [–**l** *length*] [–**d** *default*] [–**h** *help*] [–**e** *error*] [–**p** *prompt*] [–**k** *pid* [–**s** *signal*]]

/usr/sadm/bin/errstr [–**W** *width*] [–**e** *error*] [–**l** *length*] [[–**r** *regexp*] [. . .]]

/usr/sadm/bin/helpstr [–**W** *width*] [–**h** *help*] [–**l** *length*] [[–**r** *regexp*] [. . .]]

/usr/sadm/bin/valstr [–**l** *length*] [[–**r** *regexp*] [. . .]] *input*

AVAILABILITY

SUNWcsu

DESCRIPTION

ckstr prompts a user and validates the response. It defines, among other things, a prompt message whose response should be a string, text for help and error messages, and a default value (which are returned if the user responds with a RETURN).

The answer returned from this command must match the defined regular expression and be no longer than the length specified. If no regular expression is given, valid input must be a string with a length less than or equal to the length defined with no internal, leading or trailing white space. If no length is defined, the length is not checked.

All messages are limited in length to 79 characters and are formatted automatically. Tabs and newlines are removed after a single white space character in a message definition, but spaces are not removed. When a tilde is placed at the beginning or end of a message definition, the default text will be inserted at that point, allowing both custom text and the default text to be displayed.

If the prompt, help or error message is not defined, the default message (as defined under **EXAMPLES**) is displayed.

Three visual tool modules are linked to the **ckstr** command. They are **errstr** (which formats and displays an error message on the standard output), **helpstr** (which formats and displays a help message on the standard output), and **valstr** (which validates a response). These modules should be used in conjunction with Framed Access Command Environment (FACE) objects. In this instance, the FACE object defines the prompt.

OPTIONS

–**Q**	Specifies that quit will not be allowed as a valid response.
–**W** *width*	Specifies that prompt, help and error messages will be formatted to a line length of *width*.
–**r** *regexp*	Specifies a regular expression, **regexp**, against which the input should be validated. May include white space. If multiple expressions are defined, the answer need match only one of them.
–**l** *length*	Specifies the maximum length of the input.
–**d** *default*	Defines the default value as *default*. The default is not validated and so does not have to meet any criteria.
–**h** *help*	Defines the help message as *help*.
–**e** *error*	Defines the error message as *error*.

–p *prompt* Defines the prompt message as *prompt*.

–k *pid* Specifies that process ID *pid* is to be sent a signal if the user chooses to quit.

–s *signal* Specifies that the process ID *pid* defined with the **–k** option is to be sent signal *signal* when quit is chosen. If no signal is specified, **SIGTERM** is used.

input Input to be verified against format length and/or regular expression criteria.

EXIT CODES

0 Successful execution

1 EOF on input, or negative width on **–W** option, or usage error

2 Invalid regular expression

3 User termination (quit)

EXAMPLES

The default prompt for **ckstr** is:

example% ckstr
Enter an appropriate value [?,q]:

The default error message is dependent upon the type of validation involved. The user will be told either that the length or the pattern matching failed. The default error message is:

example% /usr/sadm/bin/errstr
ERROR: Please enter a string which contains no embedded,
leading or trailing spaces or tabs.

The default help message is also dependent upon the type of validation involved. If a regular expression has been defined, the message is:

example% /usr/sadm/bin/helpstr –r regexp
Please enter a string which matches the following pattern:
regexp

Other messages define the length requirement and the definition of a string.

When the quit option is chosen (and allowed), **q** is returned along with the return code **3**. Quit input gets a trailing newline.

The **valstr** module will produce a usage message on stderr. It returns **0** for success and non-zero for failure.

example% /usr/sadm/bin/valstr
usage: valstr [–l length] [[–r regexp] [. . .]] input

SEE ALSO

face(1), **signal**(5)