NAME

ckpath, errpath, helppath, valpath – display a prompt; verify and return a pathname

SYNOPSIS

ckpath [−**Q**] [−**W** *width*] [−**a** | **l**] [−**b** | **c** | **f** | **y**] [−**n** | [**o** | **z**]] [−**rtwx**] [−**d** *default*] [−**h** *help*] [−**e** *error*] [−**p** *prompt*] [−**k** *pid* [−**s** *signal*]]

/usr/sadm/bin/errpath [−**W** *width*] [−**a** | **l**] [−**b** | **c** | **f** | **y**] [−**n** | [**o** | **z**]] [−**rtwx**] [−**e** *error*]

/usr/sadm/bin/helppath [−**W** *width*] [−**a** | **l**] [−**b** | **c** | **f** | **y**] [−**n** | [**o** | **z**]] [−**rtwx**] [−**h** *help*]

/usr/sadm/bin/valpath [−**a** | **l**] [−**b** | **c** | **f** | **y**] [−**n** | [**o** | **z**]] [−**rtwx**] *input*

AVAILABILITY

SUNWcsu

DESCRIPTION

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

The pathname must obey the criteria specified by the first group of options. If no criteria is defined, the pathname must be for a normal file that does not yet exist. If neither −**a** (absolute) or −**l** (relative) is given, then either is assumed to be valid.

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 is 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 **ckpath** command. They are **errpath** (which formats and displays an error message on the standard output), **helppath** (which formats and displays a help message on the standard output), and **valpath** (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**	Specify that quit is not allowed as a valid response.
−**W** *width*	Specify that prompt, help and error messages be formatted to a line length of *width*.
−**a**	Pathname must be an absolute path.
−**l**	Pathname must be a relative path.
−**b**	Pathname must be a block special file.
−**c**	Pathname must be a character special file.
−**f**	Pathname must be a regular file.
−**y**	Pathname must be a directory.

−n	Pathname must not exist (must be new).
−o	Pathname must exist (must be old).
−z	Pathname must have a file having a size greater than 0 bytes.
−r	Pathname must be readable.
−t	Pathname must be creatable (touchable). Pathname will be created if it does not already exist.
−w	Pathname must be writable.
−x	Pathname must be executable.
−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 validation options.

EXIT CODES

0	Successful execution
1	EOF on input, or negative width on **−W** option, or usage error
2	Mutually exclusive options
3	User termination (quit)
4	Mutually exclusive options

EXAMPLES

The text of the default messages for **ckpath** depends upon the criteria options that have been used. An example default prompt for **ckpath** (using the **−a** option) is:

```
example% ckpath −a
Enter an absolute pathname [?,q]
```

An example default error message (using the **−a** option) is:

```
example% /usr/sadm/bin/errpath −a
ERROR: A pathname is a filename, optionally  preceded by parent directories.
The pathname you enter: - must begin with a slash (/)
```

An example default help message (using the **−a** option) is:

```
example% /usr/sadm/bin/helppath −a
A pathname is a filename, optionally  preceded by parent directories.
The pathname you enter: - must begin with a slash (/)
```

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

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

```
example% /usr/sadm/bin/valpath
usage: valpath [–[a|l][b|c|f|y][n|[o|z]]rtwx] input
        .
        .
        .
```

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