

**NAME**

**kenv** - list or modify the kernel environment

**SYNOPSIS**

**kenv** [-l | -s] [-hNq]

**kenv** [-qv] *variable*[=*value*]

**kenv** [-q] -u *variable*

**DESCRIPTION**

The **kenv** utility will list all variables in the kernel environment if invoked without arguments.

If the **-l** option is specified, then the static environment provided by loader(8) will be listed instead. Similarly, the **-s** option will list the static environment defined by the kernel config. Both of the **-l** and **-s** options are dependent on the kernel being configured to preserve early kernel environments. The default kernel configuration does not preserve these environments.

If the **-h** option is specified, it will limit the report to kernel probe hints. If an optional *variable* name is specified, **kenv** will only report that value. If the **-N** option is specified, **kenv** will only display variable names and not their values. If the **-u** option is specified, **kenv** will delete the given environment variable. If the environment variable is followed by an optional *value*, **kenv** will set the environment variable to this value.

If the **-q** option is set, warnings normally printed as a result of being unable to perform the requested operation will be suppressed.

If the **-v** option is set, the variable name will be printed out for the environment variable in addition to the value when **kenv** is executed with a variable name.

Variables can be added to the kernel environment using the */boot/loader.conf* file, or also statically compiled into the kernel using the statement

**env** *filename*

in the kernel config file. The file can contain lines of the form

name = value # this is a comment

where whitespace around 'name' and '=', and everything after a '#' character, are ignored. Almost any printable character except '=' is acceptable as part of a name. Quotes are optional and necessary only if the value contains whitespace.

## EXAMPLES

Show kernel probe hints variable names and filter for the uart device

```
$ kenv -h -N | grep uart
hint.uart.0.at
hint.uart.0.flags
hint.uart.0.irq
hint.uart.0.port
hint.uart.1.at
hint.uart.1.irq
hint.uart.1.port
```

Show the value of a specific variable:

```
$ kenv hint.uart.1.at
isa
```

Same as above but adding the name of the variable in the report:

```
$ kenv -v hint.uart.1.at
hint.uart.1.at="isa"
```

Try to delete a variable and suppress warnings if any:

```
$ kenv -q -u hint.uart.1.at
```

Set the value of the verbose\_loading variable

```
$ kenv verbose_loading="YES"
verbose_loading="YES"
```

## SEE ALSO

kenv(2), config(5), loader.conf(5), loader(8)

## HISTORY

The **kenv** utility appeared in FreeBSD 4.1.1.