NAME

libstdbuf - preloaded library to change standard streams initial buffering

DESCRIPTION

The **libstdbuf** library is meant to be preloaded with the LD_PRELOAD environment variable to as to change the initial buffering of standard input, standard output and standard error streams.

Although you may load and configure this library manually, an utility, stdbuf(1), can be used to run a command with the appropriate environment variables.

ENVIRONMENT

Each stream can be configured independently through the following environment variables (values are defined below):

_STDBUF_I
Initial buffering definition for the standard input stream

_STDBUF_O
Initial buffering definition for the standard output stream

_STDBUF_E
Initial buffering definition for the standard error stream

Each variable may take one of the following values:

"0"   unbuffered

"L"   line buffered

"B"   fully buffered with the default buffer size

size   fully buffered with a buffer of *size* bytes (suffixes 'k', 'M' and 'G' are accepted)

EXAMPLE

In the following example, the stdout stream of the awk(1) command will be fully buffered by default because it does not refer to a terminal. **libstdbuf** is used to force it to be line-buffered so vmstat(8)'s output will not stall until the full buffer fills.

```
# vmstat 1 | LD_PRELOAD=/usr/lib/libstdbuf.so \
    STDBUF_1=L awk '$2 > 1 || $3 > 1' | cat -n
```

See stdbuf(1) for a simpler way to do this.

SEE ALSO

rtld(1), stdbuf(1)

HISTORY

The **libstdbuf** library first appeared in FreeBSD 8.4.

AUTHORS

The original idea of the **libstdbuf** command comes from Padraig Brady who implemented it in the GNU coreutils. Jeremie Le Hen implemented it on FreeBSD.