NAME

setlogmask − set log priority mask

SYNOPSIS

#include <syslog.h>

int setlogmask(int *mask***);**

DESCRIPTION

A process has a log priority mask that determines which calls to **syslog**(3) may be logged. All other calls will be ignored. Logging is enabled for the priorities that have the corresponding bit set in *mask*. The initial mask is such that logging is enabled for all priorities.

The **setlogmask**() function sets this logmask for the calling process, and returns the previous mask. If the mask argument is 0, the current logmask is not modified.

The eight priorities are **LOG_EMERG**, **LOG_ALERT**, **LOG_CRIT**, **LOG_ERR**, **LOG_WARNING**, **LOG_NOTICE**, **LOG_INFO**, and **LOG_DEBUG**. The bit corresponding to a priority *p* is *LOG_MASK(p)*. Some systems also provide a macro *LOG_UPTO(p)* for the mask of all priorities in the above list up to and including *p*.

RETURN VALUE

This function returns the previous log priority mask.

ERRORS

None.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes**(7).

Interface	**Attribute**	**Value**
setlogmask()	Thread safety	MT-Unsafe race:LogMask

CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

SEE ALSO

closelog(3), **openlog**(3), **syslog**(3)

COLOPHON

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