



Rocky Enterprise Linux 9.2 Manual Pages on command 'setlogmask.3'

C:\>man setlogmask.3

SETLOGMASK(3) Linux Programmer's Manual SETLOGMASK(3)

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).

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?Interface ? Attribute ? Value ?

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?setlogmask() ? Thread safety ? MT-Unsafe race:LogMask ?

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CONFORMING TO

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

SEE ALSO

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

COLOPHON

This page is part of release 5.05 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

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