



Linux Ubuntu 26.04 Manual Pages on command 'setlogmask.3'

\$ man setlogmask.3

setlogmask(3) Library Functions Manual setlogmask(3)

NAME

setlogmask - set log priority mask

LIBRARY

Standard C library (libc, -lc)

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 corre?

sponding bit set in mask. The initial mask is such that logging is enabled for all priori?

ties.

The setlogmask() function sets this logmask for the calling process, and returns the previ?

ous 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 sys?

tems 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)`.

[illegible]

Interface	Attribute	Value	
?	?	?	?

[illegible]

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

[illegible]

STANDARDS

POSIX.1-2008.

HISTORY

POSIX.1-2001.

LOG_UPTO() will be included in the next release of the POSIX specification (Issue 8).

SEE ALSO

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

Linux man-pages 6.17

2026-02-08

```
setlogmask(3)
```