

NAME

syslog.h – definitions for system error logging

SYNOPSIS

```
#include <syslog.h>
```

DESCRIPTION

The <syslog.h> header shall define the following symbolic constants, zero or more of which may be OR'ed together to form the *logopt* option of *openlog()*:

LOG_PID

Log the process ID with each message.

LOG_CONS

Log to the system console on error.

LOG_NDELAY

Connect to syslog daemon immediately.

LOG_ODELAY

Delay open until *syslog()* is called.

LOG_NOWAIT

Do not wait for child processes.

The following symbolic constants shall be defined as possible values of the *facility* argument to *openlog()*:

LOG_KERN

Reserved for message generated by the system.

LOG_USER

Message generated by a process.

LOG_MAIL

Reserved for message generated by mail system.

LOG_NEWS

Reserved for message generated by news system.

LOG_UUCP

Reserved for message generated by UUCP system.

LOG_DAEMON

Reserved for message generated by system daemon.

LOG_AUTH

Reserved for message generated by authorization daemon.

LOG_CRON

Reserved for message generated by clock daemon.

LOG_LPR

Reserved for message generated by printer system.

LOG_LOCAL0

Reserved for local use.

LOG_LOCAL1

Reserved for local use.

LOG_LOCAL2

Reserved for local use.

LOG_LOCAL3

Reserved for local use.

LOG_LOCAL4

Reserved for local use.

LOG_LOCAL5

Reserved for local use.

LOG_LOCAL6

Reserved for local use.

LOG_LOCAL7

Reserved for local use.

The following shall be declared as macros for constructing the *maskpri* argument to *setlogmask()*. The following macros expand to an expression of type **int** when the argument *pri* is an expression of type **int**:

LOG_MASK(*pri*)A mask for priority *pri*.

The following constants shall be defined as possible values for the *priority* argument of *syslog()*:

LOG_EMERG

A panic condition was reported to all processes.

LOG_ALERT

A condition that should be corrected immediately.

LOG_CRIT

A critical condition.

LOG_ERR

An error message.

LOG_WARNING

A warning message.

LOG_NOTICE

A condition requiring special handling.

LOG_INFO

A general information message.

LOG_DEBUG

A message useful for debugging programs.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

void closelog(void);**void openlog(const char *, int, int);****int setlogmask(int);****void syslog(int, const char *, ...);**

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

The System Interfaces volume of IEEE Std 1003.1-2001, *closelog()*

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