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NAME

syslog.h - definitions for system error logging

SYNOPSIS

[XSI] ⊠ #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 *<syslog.h>* header shall define the following symbolic constants for use as 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 *<syslog.h>* header shall define the following macros for constructing the *maskpri* argument
to <u>*setlogmask()*</u>. 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 *<syslog.h>* header shall define the following symbolic constants for use as the *priority*
argument of <u>*syslog()*</u>:

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

XSH <u>*closelog*</u>

CHANGE HISTORY

First released in Issue 4, Version 2.

Issue 5

Moved from X/Open UNIX to BASE.

Issue 7

This reference page is clarified with respect to macros and symbolic constants.

End of informative text.

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