

NAME

pthread_cond_init - create a condition variable

LIBRARY

POSIX Threads Library (libpthread, -lpthread)

SYNOPSIS

```
#include <pthread.h>
```

int

```
pthread_cond_init(pthread_cond_t *restrict cond, const pthread_condattr_t *restrict attr);
```

DESCRIPTION

The **pthread_cond_init()** function creates a new condition variable, with attributes specified with *attr*. If *attr* is NULL the default attributes are used.

RETURN VALUES

If successful, the **pthread_cond_init()** function will return zero and put the new condition variable id into *cond*, otherwise an error number will be returned to indicate the error.

ERRORS

The **pthread_cond_init()** function will fail if:

- | | |
|----------|--|
| [EINVAL] | The value specified by <i>attr</i> is invalid. |
| [ENOMEM] | The process cannot allocate enough memory to create another condition variable. |
| [EAGAIN] | The system temporarily lacks the resources to create another condition variable. |

SEE ALSO

pthread_cond_broadcast(3), pthread_cond_destroy(3), pthread_cond_signal(3),
pthread_cond_timedwait(3), pthread_cond_wait(3), pthread_condattr(3)

STANDARDS

The **pthread_cond_init()** function conforms to ISO/IEC 9945-1:1996 ("POSIX.1").