

NAME

cpuset_parselist - utility functions for cpuset(2) handling

LIBRARY

System Utilities Library (libutil, -lutil)

SYNOPSIS

```
#include <sys/cpuset.h>
```

```
#include <libutil.h>
```

int

```
cpuset_parselist(const char *cpu-list, cpuset_t *mask);
```

DESCRIPTION

The **cpuset_parselist()** function parses a *cpu-list* filling the *mask*.

The *cpu-list* may include numbers separated by '-' for ranges and commas separating individual numbers. A special list of "all" may be specified in which case the list includes all CPUs from the root set.

RETURN VALUES

Return values can be the following

CPUSET_PARSE_OK

The parsing was successful

CPUSET_PARSE_ERROR

The *cpu-list* format is invalid

CPUSET_PARSE_GETAFFINITY

The `cpuset_getaffinity(2)` call has failed

CPUSET_PARSE_INVALID_CPU

The number of supported CPUs has been exceeded. The maximum number being *CPU_SETSIZE*.

SEE ALSO

cpuset(1), cpuset(2), cpuset(9)

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