Subject: BSDs: Is there "int get_nprocs (void)"
Posted by mirek on Wed, 01 Aug 2007 13:46:12 GMT
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Can anybody check whether the above function is available in BSDs?

Should be in sys/sysinfo.h

Mirek

Subject: Re: BSDs: Is there "int get_nprocs (void)"
Posted by masu on Wed, 01 Aug 2007 17:43:07 GMT
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It is not available in FreeBSD .
Since version 6 there is a function

int pmc_ncpu(void);

as part of the Performance Monitoring Counters API.

One also needs to include pmc.h and link with -lpmc.

Matthias

Subject: Re: BSDs: Is there "int get_nprocs (void)"
Posted by mirek on Wed, 01 Aug 2007 17:50:05 GMT
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What about sysconf(_SC_NPROCESSORS_ONLN) ?

Mirek

Subject: Re: BSDs: Is there "int get_nprocs (void)"
Posted by masu on Wed, 01 Aug 2007 17:55:58 GMT
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Should work, too (and also better solution) .

Matthias

Subject: Re: BSDs: Is there "int get_nprocs (void)"

Posted by masu on Thu, 02 Aug 2007 09:02:29 GMT
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On Net-, Open-, DragonflyBSD one must use sysctl system call like that:

```
int mib[2], maxproc;
size_t len;

mib[0] = CTL_HW;
mib[1] = HW_NCPU;
len = sizeof(maxproc);
sysctl(mib, 2, &maxproc, &len, NULL, 0);
```

But then the kernel sources have to be installed and the following files have to be included:
<sys/systctl.h> and <sys/param.h> on Net-, OpenBSD and <sys/types.h> on DragonflyBSD.

Matthias

Subject: Re: BSDs: Is there "int get_nprocs (void)"
Posted by mirek on Thu, 02 Aug 2007 12:21:03 GMT
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I think on these BSDs, returning 1 is perhaps ok for now...

Subject: Re: BSDs: Is there "int get_nprocs (void)"
Posted by masu on Thu, 02 Aug 2007 12:51:47 GMT
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You are right, especially since there are no official ports available on these systems, yet .

Matthias
