
Subject: find_task_by_pid macro removed from kernel
Posted by [Matteo Pillon](#) on Mon, 18 Sep 2006 08:40:11 GMT
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Hi all,

I had troubles getting lirc modules working on openvz kernel: lirc_dev needs find_task_by_pid (modprobe lirc_dev returns an unresolved symbol).

On a vanilla kernel this is defined as a macro:

```
#define find_task_by_pid(nr) find_task_by_pid_type(PIDTYPE_PID, nr)
```

On openvz kernel (I'm running 2.6.16-026test017), this macro has been removed, I can only find:

```
#define find_task_by_pid_all(nr) \
    find_task_by_pid_type_all(PIDTYPE_PID, nr)
```

Why find_task_by_pid has been removed? In which ways find_task_by_pid_all differs?

I tried replacing find_task_by_pid(ir->tpid) in lirc source-code with find_task_by_pid_type(PIDTYPE_PID, ir->tpid), and it works flawlessly. Does this have any drawback? If not, why not reincluding find_task_by_pid into the kernel to keep compatibility?

Thanks for replies.

Bye.

--
* Pillon Matteo

Subject: Re: find_task_by_pid macro removed from kernel
Posted by [Cranky](#) on Mon, 18 Sep 2006 09:46:04 GMT
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I am out of the office until Tuesday 26th September 2006.

Please contact our team via the following for any issues relating to a hosting account:

Billing - [billing\[at\]transnexus.com](mailto:billing[at]transnexus.com)

Domain Renewals/Transfers/Registrations - [domains\[at\]transnexus.com](mailto:domains[at]transnexus.com)

Sales - [sales\[at\]transnexus.com](mailto:sales[at]transnexus.com)

Support - [support\[at\]transnexus.com](mailto:support[at]transnexus.com) (24/7)

If you have any queries please contact Damien Ransome via damien@transnexus.com, and for problems with technical support please email Daniel Pop via daniel@transnexus.com.

For anything else I will get back to you as quickly as possible when I return.

Regards,

Andrew Cranson
Transnexus Hosting
www.transnexus.com

Subject: Re: find_task_by_pid macro removed from kernel
Posted by [Vasily Tarasov](#) on Mon, 18 Sep 2006 12:59:32 GMT
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Matteo Pillon wrote:

> Hi all,
>
> I had troubles getting lirc modules working on openvz kernel: lirc_dev
> needs find_task_by_pid (modprobe lirc_dev returns an unresolved
> symbol).
> On a vanilla kernel this is defined as a macro:
> #define find_task_by_pid(nr) find_task_by_pid_type(PIDTYPE_PID, nr)
> On openvz kernel (I'm running 2.6.16-026test017), this macro has been
> removed, I can only find:
> #define find_task_by_pid_all(nr) \\\n/>> find_task_by_pid_type_all(PIDTYPE_PID, nr)
> Why find_task_by_pid has been removed? In which ways
> find_task_by_pid_all differs?
>
find_task_by_pid_all() seeks among all tasks on HW
find_task_by_pid_ve() seeks among all task in VE
The reason of appearance of these functions in OpenVZ environment is
clear, I suppose.
> I tried replacing find_task_by_pid(ir->tpid) in lirc source-code with
> find_task_by_pid_type(PIDTYPE_PID, ir->tpid), and it works flawlessly.
>
Better way is to use find_task_by_pid_all() or find_task_by_pid_ve().
What particular
function to use depends on context.
> Does this have any drawback? If not, why not reincluding
> find_task_by_pid into the kernel to keep compatibility?
>
>
> Thanks for replies.
>
> Bye.
>
>
HTH,

vass

Subject: Re: find_task_by_pid macro removed from kernel
Posted by [Matteo Pillon](#) on Mon, 18 Sep 2006 17:05:43 GMT
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On Mon, Sep 18, 2006 at 04:59:32PM +0400, Vasily Tarasov wrote:
> find_task_by_pid_all() seeks among all tasks on HW
> find_task_by_pid_ve() seeks among all task in VE
> The reason of appearance of these functions in OpenVZ environment is
> clear, I suppose.

Thanks for your explanation.

Bye.

--

* Pillon Matteo
