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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.

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\* Pillon Matteo

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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](mailto:damien@transnexus.com), and for problems with technical support please email Daniel Pop via [daniel@transnexus.com](mailto: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

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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) \

> 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

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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.

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\* Pillon Matteo

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