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]transnexis.com
Domain Renewals/Transfers/Registrations - domains[at]transnexis.com
Sales - sales[at]transnexis.com
Support - support[at]transnexis.com (24/7)

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

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

Regards,

Andrew Cranson
Transnexis Hosting
www.transnexis.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)   \
>   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