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Subject: Re: [PATCH 2/6] Rename pid\_nr function  
Posted by [Pavel Emelianov](#) on Fri, 13 Jul 2007 14:09:31 GMT  
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Serge E. Hallyn wrote:

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> Quoting Pavel Emelianov (xemul@openvz.org):
>> sukadev@us.ibm.com wrote:
>>> Pavel Emelianov [xemul@openvz.org] wrote:
>>> | sukadev@us.ibm.com wrote:
>>> | > Subject: [PATCH 2/6] Rename pid_nr function
>>> | >
>>> | > From: Sukadev Bhattiprolu <sukadev@us.ibm.com>
>>> | >
>>> | > Rename pid_nr() function to pid_to_nr() which is more descriptive
>>> | > and will hopefully cause less confusion with new structure/functions
>>> | > being added to support multiple pid namespaces.
>>> |
>>> | Don't we need at least two convertors:
>>> | pid_to_nr_as_it_seen_by_current()
>>> | and
>>> | pid_to_nr_as_it_seen_by_some_other_task()
>>>
>>> Can you give me an example of where you would use this latter
>>> (pid_to_nr_as_it_seen_by_some_other_task()) interface ?
>> Easy. Consider you're observing /proc/<pid>/status file for a task
>> that lives in two namespaces - init and some created. When making
>> "cat" on this from init namespace you must get the task's pid as it
>> is seen from init namespace, but when making "cat" from the created
>> namespace you must see the pid as it is seen by this namespace. And
>> so on and so forth.
>
> But 'current' in that case is the process reading the file, so you do in
> fact want to use pid_to_nr_as_it_seen_by_current().
```

Well. I see. There's a misleading in names. Better would be called them  
pid\_nr\_as\_it\_is\_seen\_by\_the\_owning\_task\_when\_he\_reads\_it() %)  
and  
pid\_nr\_as\_it\_is\_seen\_by\_arbitrary\_task()

the first one is pid\_vnr() the second is pid\_nr\_ns().

> -serge

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