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Subject: Re: [PATCH 2/6] Rename pid\_nr function  
Posted by [Sukadev Bhattiprolu](#) on Fri, 13 Jul 2007 16:11:09 GMT  
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Pavel Emelianov [xemul@openvz.org] wrote:

| Serge E. Hallyn wrote:  
| > 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.

My patches use pid\_nr\_in\_ns(pid, ns) in that case - where we get 'ns' from the specific mount of /proc accessed. So the init\_pid\_ns process would execute in init\_pid\_ns and the other would be in child ns.

So, in your case wouldn't it be enough to have pid\_vnr() and pid\_nr\_in\_ns() ?

| >  
| > 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().

yep.

|  
| > -serge

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<https://lists.linux-foundation.org/mailman/listinfo/containers>

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