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Subject: Re: [PATCH] Use helpers to obtain task pid in printks (arch code)  
Posted by [Joe Perches](#) on Mon, 27 Aug 2007 18:01:48 GMT

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On Mon, 2007-08-27 at 11:30 +0400, Pavel Emelyanov wrote:

> From: Alexey Dobriyan <[adobriyan@openvz.org](mailto:adobriyan@openvz.org)>

>

> One of the easiest things to isolate is the pid printed in kernel

> log. There was a patch, that made this for arch-independent code,

> this one makes so for arch/xxx files.

Perhaps it would be worthwhile to standardize the printk  
task information content? Maybe a format knob?

Maybe TASK\_FMT/TASK\_ARG(task)

```
#define TASK_FMT "%s"
```

```
#define TASK_ARG(tsk) ({char __buf[MAX_TASK_INFO]; print_task(tsk, buf, sizeof(__buf));  
__buf})
```

```
char* print_task(const struct task_struct* tsk, char* buf, size_t size)
```

```
{  
    char* p = buf;  
    int task_knob = get_task_knob();  
    *p++ = '[';  
    if (task_knob & feature)  
        p += snprintf(p, size - (p - buf), fmt, feature);  
    [...]  
    *p++ = ']';  
    return buf;  
}
```

```
EXPORT_SYMBOL(print_task)
```

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Containers mailing list

[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)

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

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Subject: Re: [PATCH] Use helpers to obtain task pid in printks (arch code)  
Posted by [Jan Engelhardt](#) on Thu, 30 Aug 2007 19:11:05 GMT

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On Aug 27 2007 11:01, Joe Perches wrote:

>On Mon, 2007-08-27 at 11:30 +0400, Pavel Emelyanov wrote:

>> From: Alexey Dobriyan <[adobriyan@openvz.org](mailto:adobriyan@openvz.org)>

>>

```
>> One of the easiest things to isolate is the pid printed in kernel
>> log. There was a patch, that made this for arch-independent code,
>> this one makes so for arch/xxx files.
>
>Perhaps it would be worthwhile to standardize the printk
>task information content? Maybe a format knob?
>
>Maybe TASK_FMT/TASK_ARG(task)
>
>#define TASK_FMT "%s"
>#define TASK_ARG(tsk) ({char __buf[MAX_TASK_INFO]; printk(tsk, buf, sizeof(__buf));
__buf})
```

Except that \_\_buf goes out of scope before printk() is called...

Jan

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