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Subject: Re: [PATCH] event: fix TP\_printk() argument in sched\_switch  
Posted by [Steven Rostedt](#) on Wed, 02 Nov 2011 23:07:57 GMT  
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On Thu, 2011-11-03 at 01:40 +0300, Andrew Vagin wrote:

> process\_arg(...) can't parse "\_\_entry->prev\_state & (TASK\_STATE\_MAX-1)",  
> because a complicated argument should be within brackets.

No it is fine, the userspace tool is broken.

>  
> Without this patch "perf report" prints following errors:  
> \$ ./perf record -ag -e sched:sched\_switch  
> ...  
> \$ ./perf report  
> Warning: Error: expected type 5 but read 4  
> Warning: Error: expected type 4 but read 0  
> Fatal: bad op token {  
>  
> Signed-off-by: Andrew Vagin <[avagin@openvz.org](mailto:avagin@openvz.org)>

NACK!

This is a perf userspace bug, not a kernel one. Please fix the userspace tool instead.

Note, the new version of libparseevent handles this case without issue.  
Perf just needs to be updated.

-- Steve

> ---  
> include/trace/events/sched.h | 2 +-  
> 1 files changed, 1 insertions(+), 1 deletions(-)  
>  
> diff --git a/include/trace/events/sched.h b/include/trace/events/sched.h  
> index 959ff18..1838237 100644  
> --- a/include/trace/events/sched.h  
> +++ b/include/trace/events/sched.h  
> @@ -140,7 +140,7 @@ TRACE\_EVENT(sched\_switch,  
> TP\_printk("prev\_comm=%s prev\_pid=%d prev\_prio=%d prev\_state=%s%s ==>  
next\_comm=%s next\_pid=%d next\_prio=%d",  
> \_\_entry->prev\_comm, \_\_entry->prev\_pid, \_\_entry->prev\_prio,  
> \_\_entry->prev\_state & (TASK\_STATE\_MAX-1) ?  
> - \_\_print\_flags(\_\_entry->prev\_state & (TASK\_STATE\_MAX-1), "|",  
> + \_\_print\_flags((\_\_entry->prev\_state & (TASK\_STATE\_MAX-1)), "|",  
> { 1, "S" }, { 2, "D" }, { 4, "T" }, { 8, "t" },  
> { 16, "Z" }, { 32, "X" }, { 64, "x" },

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> { 128, "W" }) : "R",
```

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