
Subject: [PATCH] Bogus KERN_ALERT on oops
Posted by [Alexey Dobriyan](#) on Mon, 22 Oct 2007 11:57:04 GMT
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printing eip: f881b9f3 *pdpt = 0000000000003001 <1>*pde = 000000000480a067 *pte = 0000000000000000

^^^

Signed-off-by: Alexey Dobriyan <adobriyan@sw.ru>

arch/x86/mm/fault_32.c | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

```
--- a/arch/x86/mm/fault_32.c
+++ b/arch/x86/mm/fault_32.c
@@ -550,7 +550,7 @@ no_context:
     page &= PAGE_MASK;
     page = ((__typeof__(page) *) __va(page))[(address >> PMD_SHIFT)
                                              & (PTRS_PER_PMD - 1)];
-    printk(KERN_ALERT "*pde = %016Lx ", page);
+    printk("*pde = %016Lx ", page);
     page &= ~_PAGE_NX;
 }
#else
```

Subject: Re: [PATCH] Bogus KERN_ALERT on oops
Posted by [Pekka Enberg](#) on Mon, 22 Oct 2007 13:06:23 GMT
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Hi Alexey,

On 10/22/07, Alexey Dobriyan <adobriyan@sw.ru> wrote:

> printing eip: f881b9f3 *pdpt = 0000000000003001 <1>*pde = 000000000480a067 *pte = 0000000000000000

```
> --- a/arch/x86/mm/fault_32.c
> +++ b/arch/x86/mm/fault_32.c
> @@ -550,7 +550,7 @@ no_context:
>         page &= PAGE_MASK;
>         page = ((__typeof__(page) *) __va(page))[(address >> PMD_SHIFT)
>                                                  & (PTRS_PER_PMD - 1)];
> -        printk(KERN_ALERT "*pde = %016Lx ", page);
> +        printk("*pde = %016Lx ", page);
```

Use the new KERN_CONT annotation here?

Subject: Re: [PATCH] Bogus KERN_ALERT on oops
Posted by [Ingo Molnar](#) on Wed, 24 Oct 2007 10:32:46 GMT
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* Alexey Dobriyan <adobriyan@sw.ru> wrote:

```
> printing eip: f881b9f3 *pdpt = 0000000000003001 <1>*pde = 000000000480a067 *pte =  
0000000000000000  
>    ^^^
```

thanks, added this to the x86 queue.

Ingo

Subject: Re: [PATCH] Bogus KERN_ALERT on oops
Posted by [Ingo Molnar](#) on Wed, 24 Oct 2007 10:33:18 GMT
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* Pekka Enberg <penberg@cs.helsinki.fi> wrote:

```
> > -          printk(KERN_ALERT "*pde = %016Lx ", page);  
> > +          printk("*pde = %016Lx ", page);  
>  
> Use the new KERN_CONT annotation here?
```

indeed - i changed the patch to do that.

Ingo

Subject: Re: [PATCH] Bogus KERN_ALERT on oops
Posted by [Alexey Dobriyan](#) on Wed, 24 Oct 2007 11:39:09 GMT
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On Wed, Oct 24, 2007 at 12:33:18PM +0200, Ingo Molnar wrote:

```
>  
> * Pekka Enberg <penberg@cs.helsinki.fi> wrote:  
>  
> > > -          printk(KERN_ALERT "*pde = %016Lx ", page);  
> > > +          printk("*pde = %016Lx ", page);  
> >  
> > Use the new KERN_CONT annotation here?  
>  
> indeed - i changed the patch to do that.
```

Might as well change comment around KERN_CONT -- for starters it lied about "early bootup" phase since day one.

Proposed text:

```
/*  
 * Annotation for a "continued" line of log printout (only done  
 * after a line that had no enclosing \n).  
 *  
 * Introduced because checkpatch.pl couldn't be arsed to learn C  
 * and distinguish continued printk() from the one that starts  
 * new line.  
 *  
 * Caveat #1: Empty string-literal, so compiler can't check for  
 *     KERN_CONT misuse.  
 * Caveat #2: Empty string-literal, so it can't be used in  
 *     printk(var); situations.  
 * Caveat #3: takes characters on the screen, so code is harder  
 *     to read.  
 * Caveat #4: checkpatch.pl doesn't know C, so it can't check  
 *     for KERN_CONT misuse, anyway.  
 */
```
