
Subject: Re: utrace regressions (was: -mm merge plans for 2.6.21)

Posted by [Roland McGrath](#) on Wed, 07 Mar 2007 09:10:29 GMT

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> On Sat, Feb 17, 2007 at 06:35:31PM -0800, Roland McGrath wrote:

> > > Looking at mainline x86_64 ptrace code I think hole for u_debugreg[4]

> > > and [5] is also needed.

> >

> > It's not. The utrace_regset for the debugregs already has that behavior

> > for those two words, so mapping all 8 uarea words to the regset is fine.

>

> Sorry, I don't get it. Choosing segment from x86_64_uarea is done before

> calling regset->set and regset->get as well as before zero-filling. No

> segment for u_debugreg[4] and [5] means -EIO before segment handlers

> will have a chance to be called.

>

> Do you want to consolidate these two?

>

> {offsetof(struct user, u_debugreg[0]), offsetof(struct user, u_debugreg[4]), 3, 0},

> {offsetof(struct user, u_debugreg[6]), offsetof(struct user, u_debugreg[8]), 3, 6 * sizeof(long)},

Oops! I was misremembering what was in x86_64_uarea when I wrote that.

I've indeed fixed it to match what I thought it was:

```
{offsetof(struct user, u_debugreg[0]),  
  offsetof(struct user, u_debugreg[8]), 3, 0},
```

Thanks,
Roland
