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Subject: Re: [PATCH 1/7] introduce atomic\_dec\_and\_lock\_irqsave()

Posted by [Dipankar Sarma](#) on Wed, 30 Aug 2006 16:58:51 GMT

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On Wed, Aug 30, 2006 at 12:51:28PM +0200, Roman Zippel wrote:

> Hi,

>

> On Wed, 30 Aug 2006, Oleg Nesterov wrote:

>

> > Why does this need protection against interrupts?

> >

> > uidhash\_lock can be taken from irq context. For example, delayed\_put\_task\_struct()

> > does \_\_put\_task\_struct()->free\_uid().

>

> AFAICT it's called via rcu, does that mean anything released via rcu has

> to be protected against interrupts?

No. You need protection only if you have are using some data that can also be used by the RCU callback. For example, if your RCU callback just calls kfree(), you don't have to do a spin\_lock\_bh().

Thanks  
Dipankar

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