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Subject: Re: [PATCH] powerpc pseries eeh: Convert to kthread API  
Posted by [Benjamin Herrenschmid](#) on Tue, 24 Apr 2007 01:38:53 GMT  
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> The only reason for using threads here is to get the error recovery  
> out of an interrupt context (where errors may be detected), and then,  
> an hour later, decrement a counter (which is how we limit these to  
> 6 per hour). Thread reaping is "trivial", the thread just exits  
> after an hour.

In addition, it should be a thread and not done from within keventd  
because :

- It can take a long time (well, relatively but still too long for a work queue)
  - The driver callbacks might need to use keventd or do flush\_workqueue to synchronize with their own workqueues when doing an internal recovery.
- > Since these are events rare, I've no particular concern about  
> performance or resource consumption. The current code seems  
> to work just fine. :-)

I think moving to kthread's is cleaner (just a wrapper around kernel threads that simplify dealing with reaping them out mostly) and I agree with Christoph that it would be nice to be able to "fire off" kthreads from interrupt context.. in many cases, we abuse work queues for things that should really be done from kthreads instead (basically anything that takes more than a couple hundred microseconds or so).

Ben.

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