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Subject: Re: [PATCH 2.6.24-rc8-mm1 00/15] IPC: code rewrite + new functionalities  
Posted by [Pavel Machek](#) on Sat, 02 Feb 2008 18:23:52 GMT  
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Hi!

> \* Patches 9 to 15 propose to add some functionalities, and thus are  
> submitted here for RFC, about both the interest and their implementation.  
> These functionalities are:  
> - Two new control-commands:  
> . IPC\_SETID: to change an IPC's id.  
> . IPC\_SETALL: behaves as IPC\_SET, except that it also sets all time  
> and pid values)  
> - add a /proc/<pid>/semundo file to read and write the undo values of  
> some semaphores for a given process.  
>  
> As the namespaces and the "containers" are being integrated in the  
> kernel, these functionalities may be a first step to implement the  
> checkpoint/restart of an application: in fact the existing API does not allow  
> to specify or to change an ID when creating an IPC, when restarting an  
> application, and the times/pids values of each IPCs are also altered. May be  
> someone may find another interest about this ?  
>  
> So again, comments are welcome.

Checkpoint/restart is nice, but... sysV ipc is broken by design, do we  
really want to extend it?

Pavel

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(english) <http://www.livejournal.com/~pavelmachek>

(cesky, pictures) <http://atrey.karlin.mff.cuni.cz/~pavel/picture/horses/blog.html>

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Containers mailing list

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<https://lists.linux-foundation.org/mailman/listinfo/containers>

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