Subject: Re: [RFC][PATCH 0/4] Object creation with a specified id
Posted by Oren Laadan on Fri, 14 Mar 2008 16:02:46 GMT
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Pavel Emelyanov wrote:
> Oren Laadan wrote:
>> Nadia Derbey wrote:
>>> Oren Laadan wrote:
>>>> Nadia.Derbey@bull.net wrote:
>>>>
>>>>> A couple of weeks ago, a discussion has started after Pierre's
>>>>> proposal for
>>>>> a new syscall to change an ipc id (see thread
>>>>> http://lkml.org/lkml/2008/1/29/209).
>>>>>
>>>>>
>>>>> Oren's suggestion was to force an object's id during its creation,
>>>>> rather
>>>>> than 1. create it, 2. change its id.
>>>>>
>>>>> So here is an implementation of what Oren has suggested.
>>>>>
>>>>> 2 new files are defined under /proc/self:
>>>>>   . next_ipcid --> next id to use for ipc object creation
>>>>>   . next_pids --> next upid nr(s) to use for next task to be forked
>>>>>   (see patch #2 for more details).
>>>> Generally looks good. One meta-comment, though:
>>>>
>>>> I wonder why you use separate files for separate resources,
>>> That would be needed in a situation wheere we don't care about next,
>>> say, ipc id to be created but we need a predefined pid. But I must admit
>>> I don't see any pratical application to it.
>> exactly; why set the next-ipc value so far in advance ? I think it's
>> better (and less confusing) if we require that setting the next-id value
>> be done right before the respective syscall.
>
> And race with some other syscall caller? This will only work if the next-ipc-id
> and the next-pid are on a task_struct. Are they (at least supposed to be such)?

yes. that's the first detail I looked for in the patch :)

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