
Subject: Re: [RFC][PATCH 4/7] UBC: syscalls (user interface)

Posted by [dev](#) on Thu, 17 Aug 2006 12:11:27 GMT

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Rohit Seth wrote:

> On Wed, 2006-08-16 at 20:04 +0100, Alan Cox wrote:

>

>>Ar Mer, 2006-08-16 am 11:17 -0700, ysgrifennodd Rohit Seth:

>>

>>>I think there should be a check here for seeing if the new limits are
>>>lower than the current usage of a resource. If so then take appropriate
>>>action.

>>

>>Generally speaking there isn't a sane appropriate action because the
>>resources can't just be yanked.

>>

>

>

> I was more thinking about (for example) user land physical memory limit
> for that bean counter. If the limits are going down, then the system
> call should try to flush out page cache pages or swap out anonymous
> memory. But you are right that it won't be possible in all cases, like
> for in kernel memory limits.

Such kind of memory management is less efficient than the one
making decisions based on global shortages and global LRU algorithm.

The problem here is that doing swap out takes more expensive disk I/O
influencing other users.

So throttling algorithms if wanted should be optional, not mandatory.
Lets postpone it and concentrate on the core.

Thanks,
Kirill
