Subject: Re: [ckrm-tech] [RFC][PATCH 5/7] UBC: kernel memory accounting (core)
Posted by Alan Cox on Fri, 18 Aug 2006 20:32:36 GMT
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Ar Gwe, 2006-08-18 am 12:32 -0700, ysgrifennodd Dave Hansen:
> > It ought to be cheap. Given each set of page structs is an array its a
> > simple subtract and divide (or with care and people try to pack them
> > nicely for cache lines - shift) to get to the parallel accounting array.
>
> I wish page structs were just a simple array. ;)

Note I very carefully said "each set of"

> It will just be a bit more code, but we'll need this for the two other
> memory models: sparsemem and discontigmem. For discontig, we'll just
> need pointers in the pg_data_ts and, for sparsemem, we'll likely need
> another pointer in the 'struct mem_section'.

Actually I don't believe this is true in either case. Change the code
which allocates the page arrays to allocate (+ sizeof(void *) *
pages_in_array on the end of each array when using UBC. The rest then
seems to come out naturally.

Alan