Subject: Re: [PATCH 2/8] Add container pointer on struct page Posted by Jean-Pierre Dion on Fri, 13 Apr 2007 13:56:37 GMT View Forum Message <> Reply to Message

Hi Pavel,

I have been implied in the work for the memory controller of res groups a few months ago.

I see that you propose to modify the struct page to point to rss container struct. This has made some debate because of the struct page size increase, but this allows a quicker scan to reclaim pages (I mean having per-container lists of active/inactive pages). We (here at Bull and others) proposed this implementation for res groups and I am interested in knowing if this has a chance of being accepted today (hope so). I know this uses memory for internal management and increases a lot the memory size used for a large memory configuration, but in that case we have lot of memory, so where is the issue? We tested this on a 28 GB server and it worked. Also we can use larger page size to reduce the overhead, and I believe this makes sense on large servers with big memory.

So we balance between using more memory internally and so getting faster access to pages for reclaim, or do nothing. ;-)

jean-pierre