
Subject: Re: [PATCH 8/8] Per-container pages reclamation
Posted by [Pavel Emelianov](#) on Fri, 01 Jun 2007 09:23:10 GMT
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Balbir Singh wrote:

[snip]

```
>>>> + for_each_online_node(node) {
>>>> + #ifdef CONFIG_HIGHMEM
>>>> + zones = NODE_DATA(node)->node_zonelist[ZONE_HIGHMEM].zones;
>>>> + if (do_try_to_free_pages(zones, sc.gfp_mask, &sc))
>>>> + return 1;
>>>> + #endif
>>>> + zones = NODE_DATA(node)->node_zonelist[ZONE_NORMAL].zones;
>>>> + if (do_try_to_free_pages(zones, sc.gfp_mask, &sc))
>>>> + return 1;
>>>> + }
>>> Definitely need to handle ZONE_DMA32 and ZONE_DMA (some architectures put
>>> all memory into ZONE_DMA (or they used to))
>
> Won't the node_zonelist[ZONE_NORMAL].zones contain all lower zones (including
> ZONE_DMA and ZONE_DMA32) from various nodes organized by cost?
>
> I need to go lookup the node_zonelist creation.
```

OK, I've got it. The node's zonelist indexed with ZONE_XXX contains the zone specified and all the zones beyond it. Thus shrinking from ZONE_HIGHMEM (ZONE_NORMAL if the latter does not exist) is enough.

Thanks,
Pavel
