Subject: Re: [-mm PATCH] Memory controller improve user interface
Posted by Dave Hansen on Wed, 29 Aug 2007 18:45:48 GMT
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On Wed, 2007-08-29 at 16:40 +0530, Balbir Singh wrote:
>
>
> @@ -352,7 +353,7 @@ int mem_container_charge(struct page *pa
> 		kfree(pc);
> 		pc = race_pc;
> 		atomic_inc(&pc->ref_cnt);
> -		res_counter_uncharge(&mem->res, 1);
> +		 res_counter_uncharge(&mem->res, MEM_CONTAINER_CHARGE_KB);
> 		css_put(&mem->css);
> 		goto done;
> 	}

Do these changes really need to happen anywhere besides the
user<->kernel boundary? Why can't internal tracking be in pages?

-- Dave

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Containers mailing list
Containers@lists.linux-foundation.org
https://lists.linux-foundation.org/mailman/listinfo/containers

Subject: Re: [-mm PATCH] Memory controller improve user interface
Posted by Balbir Singh on Wed, 29 Aug 2007 22:04:12 GMT
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Dave Hansen wrote:
> On Wed, 2007-08-29 at 16:40 +0530, Balbir Singh wrote:
>>
>> @@ -352,7 +353,7 @@ int mem_container_charge(struct page *pa
>> 		kfree(pc);
>> 		pc = race_pc;
>> 		atomic_inc(&pc->ref_cnt);
>> -		res_counter_uncharge(&mem->res, 1);
>> +		 res_counter_uncharge(&mem->res, MEM_CONTAINER_CHARGE_KB);
>> 		css_put(&mem->css);
>> 		goto done;
>> 	}
>
> Do these changes really need to happen anywhere besides the
> user<->kernel boundary? Why can't internal tracking be in pages?

I've thought about this before. The problem is that a user could set his limit to 10000 bytes, but would then see the usage and limit round to the closest page boundary. This can be confusing to a user.

--
Warm Regards,
Balbir Singh
Linux Technology Center
IBM, ISTL

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