
Subject: Re: Re: [PATCH 2.6.19-rc3] VFS: per-sb dentry lru list

Posted by [Neil Brown](#) on Tue, 14 Nov 2006 04:51:08 GMT

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On Wednesday November 1, dev@sw.ru wrote:

> <<<< AFAICS, doing so you introduced a leak of anonymous dentries.
>
> d_alloc_anon() calls d_alloc() with parent == NULL, i.e. dentries have no parent
> and are not linked to the sb->s_root...

Yep, thanks.

> BTW, looking at it, I found that s_anon field on super block is not
> used any more.

I don't know what you mean by that. It is still used...

> we can add BUG_ON(!hlist_empty(&sb->s_anon)) in generic_shutdown_super to avoid such
issues like this.

>
> maybe we can fix it adding something like:
> while (!hlist_empty(&sb->s_anon))
> prune_dcache(MAX_INT, &sb->s_anon);

It seems that anon dentries can now have children (I think someone explained that too me - shrink_dcache_for_umount certainly suggests it).

Also, in this context we cannot be sure that all dentries can be freed. This is being called a remount time remember, and some stuff might still be in use.

We probably need to move the s_anon list to a temporary list and repeatedly:

 move the top entry back to s_anon and call shrink_dcache_parent
on it.

Needs more thought.

NeilBrown
