
Subject: Re: [PATCH][net-2.6.25][NETNS] make netns cleanup to run in a separate workqueue

Posted by [dev](#) on Mon, 19 Nov 2007 11:01:27 GMT

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imho panic() is too much.

create_singlethread_workqueue() can fail e.g. due to out of memory...

Thanks,
Kirill

Daniel Lezcano wrote:

> Subject: make netns cleanup to run in a separate queue
> From: Benjamin Thery <benjamin.thery@bull.net>
>
> This patch adds a separate workqueue for cleaning up a network
> namespace. If we use the keventd workqueue to execute cleanup_net(),
> there is a problem to unregister devices in IPv6. Indeed the code
> that cleans up also schedule work in keventd: as long as cleanup_net()
> hasn't return, dst_gc_task() cannot run and as long as dst_gc_task() has
> not run, there are still some references pending on the net devices and
> cleanup_net() can not unregister and exit the keventd workqueue.
>
> Signed-off-by: Daniel Lezcano <dlezcano@fr.ibm.com>
> Signed-off-by: Benjamin Thery <benjamin.thery@bull.net>
> Acked-by: Denis V. Lunev <den@openvz.org>
> ---
> net/core/net_namespace.c | 9 ++++++++
> 1 file changed, 8 insertions(+), 1 deletion(-)
>
> Index: net-2.6.25/net/core/net_namespace.c
> ======
> --- net-2.6.25.orig/net/core/net_namespace.c
> +++ net-2.6.25/net/core/net_namespace.c
> @@ -58,6 +58,7 @@ out_undo:
>
> #ifdef CONFIG_NET_NS
> static struct kmem_cache *net_cachep;
> +static struct workqueue_struct *netns_wq;
>
> static struct net *net_alloc(void)
> {
> @@ -149,7 +150,7 @@ void __put_net(struct net *net)
> {
> /* Cleanup the network namespace in process context */
> INIT_WORK(&net->work, cleanup_net);
> - schedule_work(&net->work);

```
> + queue_work(netns_wq, &net->work);
> }
> EXPORT_SYMBOL_GPL(__put_net);
>
> @@ -171,7 +172,13 @@ static int __init net_ns_init(void)
>     net_cachep = kmem_cache_create("net_namespace", sizeof(struct net),
>         SMP_CACHE_BYTES,
>         SLAB_PANIC, NULL);
> +
> + /* Create workqueue for cleanup */
> + netns_wq = create_singlethread_workqueue("netns");
> + if (!netns_wq)
> +     panic("Could not create netns workq");

> #endif
> +
>     mutex_lock(&net_mutex);
>     err = setup_net(&init_net);
>
>
> -----
>
> _____
> Containers mailing list
> Containers@lists.linux-foundation.org
> https://lists.linux-foundation.org/mailman/listinfo/containers
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