
Subject: Re: [PATCH net-2.6.25 3/3] Uninline the inet_twsk_put function

Posted by [Ingo Oeser](#) on Thu, 20 Dec 2007 18:32:45 GMT

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Pavel Emelyanov schrieb:

```
> This one is not that big, but is widely used: saves 1200 bytes
> from net/ipv4/built-in.o
> +void inet_twsk_put(struct inet_timewait_sock *tw)
> +{
> + if (atomic_dec_and_test(&tw->tw_refcnt)) {
> + struct module *owner = tw->tw_prot->owner;
> + twsk_destructor((struct sock *)tw);
> + #ifdef SOCK_REFCNT_DEBUG
> + printk(KERN_DEBUG "%s timewait_sock %p released\n",
> + tw->tw_prot->name, tw);
> + #endif
> + kmem_cache_free(tw->tw_prot->twsk_prot->twsk_slab, tw);
> + module_put(owner);
> + }
> +}
> +EXPORT_SYMBOL_GPL(inet_twsk_put);
```

More correct fix seems to be conversion to kref.

Just create out of line inet_twsk_release() containing sth. similiar to the code inside these braces and modify inet_twsk_put() to sth. like this:

```
static inline inet_twsk_put(struct inet_timewait_sock *tw)
{
    kref_put(&tw->kref, inet_twsk_release);
}
```

David, can you see any reason (e.g. some crazy lock stuff) NOT to do this?

Best Regards

Ingo Oeser
