
Subject: Re: [PATCH 03/16] net: Basic network namespace infrastructure.
Posted by [Krishna Kumar2](#) on Mon, 10 Sep 2007 05:46:44 GMT
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Eric W. Biederman wrote on 09/09/2007 02:45:34 AM:

Hi Eric,

```
> +static int register_pernet_operations(struct list_head *list,
> +      struct pernet_operations *ops)
> +{
> +<snip>
> +out:
> +    return error;
> +
> +out_undo:
> +    /* If I have an error cleanup all namespaces I initialized */
> +    list_del(&ops->list);
> +    for_each_net(undo_net) {
> +        if (undo_net == net)
> +            goto undone;
> +        if (ops->exit)
> +            ops->exit(undo_net);
> +    }
> +undone:
> +    goto out;
> +}
```

You could remove "undone" label (and associated) goto with a "break".

```
> +static void unregister_pernet_operations(struct pernet_operations *ops)
> +{
> +    struct net *net;
> +
> +    list_del(&ops->list);
> +    for_each_net(net)
> +        if (ops->exit)
> +            ops->exit(net);
> +}
> +
> +/**
> + *   register_pernet_subsys - register a network namespace subsystem
> + *   @ops: pernet operations structure for the subsystem
> + *
> + *   Register a subsystem which has init and exit functions
> + *   that are called when network namespaces are created and
> + *   destroyed respectively.
> + *
```

```

> + * When registered all network namespace init functions are
> + * called for every existing network namespace. Allowing kernel
> + * modules to have a race free view of the set of network namespaces.
> + *
> + * When a new network namespace is created all of the init
> + * methods are called in the order in which they were registered.
> + *
> + * When a network namespace is destroyed all of the exit methods
> + * are called in the reverse of the order with which they were
> + * registered.
> + */
<snip>
> +/**
> + *   unregister_pernet_subsys - unregister a network namespace
subsystem
> + *   @ops: pernet operations structure to manipulate
> + *
> + *   Remove the pernet operations structure from the list to be
> + *   used when network namespaces are created or destroyed. In
> + *   addition run the exit method for all existing network
> + *   namespaces.
> + */
> +void unregister_pernet_subsys(struct pernet_operations *module)
> +{
> +   mutex_lock(&net_mutex);
> +   unregister_pernet_operations(module);
> +   mutex_unlock(&net_mutex);
> +}

```

Don't you require something like `for_each_net_backwards` to 'exit' in reverse order? Same comment for `unregister_subnet_subsys()`. Should this be done for failure in `register_pernet_operations` too?

thanks,

- KK

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