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Subject: [PATCH 2/2] move unneeded data to initdata section

Posted by [den](#) on Wed, 07 Nov 2007 11:57:38 GMT

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This patch reverts Eric's commit 2b008b0a8e96b726c603c5e1a5a7a509b5f61e35

It diets .text & .data section of the kernel if CONFIG\_NET\_NS is not set.  
This is safe after list operations cleanup.

Signed-of-by: Denis V. Lunev <den@openvz.org>

```
--- ./drivers/net/loopback.c.reversed 2007-10-30 14:45:07.000000000 +0300
+++ ./drivers/net/loopback.c 2007-11-01 17:30:55.000000000 +0300
@@ -284,7 +284,7 @@ static __net_exit void loopback_net_exit
    unregister_netdev(dev);
}

-static struct pernet_operations loopback_net_ops = {
+static struct pernet_operations __net_initdata loopback_net_ops = {
    .init = loopback_net_init,
    .exit = loopback_net_exit,
};
--- ./fs/proc/proc_net.c.reversed 2007-10-30 14:45:07.000000000 +0300
+++ ./fs/proc/proc_net.c 2007-11-01 17:30:57.000000000 +0300
@@ -185,7 +185,7 @@ static __net_exit void proc_net_ns_exit(
    kfree(net->proc_net_root);
}

-static struct pernet_operations proc_net_ns_ops = {
+static struct pernet_operations __net_initdata proc_net_ns_ops = {
    .init = proc_net_ns_init,
    .exit = proc_net_ns_exit,
};
--- ./include/net/net_namespace.h.reversed 2007-10-30 14:45:07.000000000 +0300
+++ ./include/net/net_namespace.h 2007-11-01 17:30:58.000000000 +0300
@@ -102,9 +102,11 @@ static inline void release_net(struct ne
#ifdef CONFIG_NET_NS
#define __net_init
#define __net_exit
+#define __net_initdata
#else
#define __net_init __init
#define __net_exit __exit_refok
+#define __net_initdata __initdata
#endif

struct pernet_operations {
--- ./net/core/dev.c.reversed 2007-10-30 14:45:08.000000000 +0300
```

```

+++ ./net/core/dev.c 2007-11-01 17:30:58.000000000 +0300
@@ -2676,7 +2676,7 @@ static void __net_exit dev_proc_net_exit
    proc_net_remove(net, "dev");
}

-static struct pernet_operations dev_proc_ops = {
+static struct pernet_operations __net_initdata dev_proc_ops = {
    .init = dev_proc_net_init,
    .exit = dev_proc_net_exit,
};
@@ -4336,7 +4336,7 @@ static void __net_exit netdev_exit(struct
    kfree(net->dev_index_head);
}

-static struct pernet_operations netdev_net_ops = {
+static struct pernet_operations __net_initdata netdev_net_ops = {
    .init = netdev_init,
    .exit = netdev_exit,
};
@@ -4367,7 +4367,7 @@ static void __net_exit default_device_ex
    rtnl_unlock();
}

-static struct pernet_operations default_device_ops = {
+static struct pernet_operations __net_initdata default_device_ops = {
    .exit = default_device_exit,
};

--- ./net/core/dev_mcast.c.reversed 2007-10-30 14:45:08.000000000 +0300
+++ ./net/core/dev_mcast.c 2007-11-01 17:31:00.000000000 +0300
@@ -285,7 +285,7 @@ static void __net_exit dev_mc_net_exit(s
    proc_net_remove(net, "dev_mcast");
}

-static struct pernet_operations dev_mc_net_ops = {
+static struct pernet_operations __net_initdata dev_mc_net_ops = {
    .init = dev_mc_net_init,
    .exit = dev_mc_net_exit,
};

--- ./net/netlink/af_netlink.c.reversed 2007-10-30 14:45:08.000000000 +0300
+++ ./net/netlink/af_netlink.c 2007-11-01 17:31:01.000000000 +0300
@@ -1888,7 +1888,7 @@ static void __net_exit netlink_net_exit(
#endif
}

-static struct pernet_operations netlink_net_ops = {
+static struct pernet_operations __net_initdata netlink_net_ops = {
    .init = netlink_net_init,

```

```
.exit = netlink_net_exit,  
};
```

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