Subject: [PATCH] remove __net_initdata attribute
Posted by den on Fri, 26 Oct 2007 09:54:26 GMT
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The discussion with Eric W. Biederman reveals that the concept for
__net_initdata is bogus. The ->exit method of pernet_operations
should be called during module exit.

So, discard this attribute.

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

```
diff --git a/drivers/net/loopback.c b/drivers/net/loopback.c
index 662b8d1..45f30a2 100644
--- a/drivers/net/loopback.c
+++ b/drivers/net/loopback.c
@@ -284,7 +284,7 @@ static __net_exit void loopback_net_exit(struct net *net)
  unregister_netdev(dev);
 }

-static struct pernet_operations __net_initdata loopback_net_ops = {
+static struct pernet_operations loopback_net_ops = {
        .init = loopback_net_init,
        .exit = loopback_net_exit,
 };
diff --git a/fs/proc/proc_net.c b/fs/proc/proc_net.c
index 2e91fb7..cbc5a95 100644
--- a/fs/proc/proc_net.c
+++ b/fs/proc/proc_net.c
@@ -185,7 +185,7 @@ static __net_exit void proc_net_ns_exit(struct net *net)
  kfree(net->proc_net_root);
 }

-struct pernet_operations __net_initdata proc_net_ns_ops = {
+struct pernet_operations proc_net_ns_ops = {
  .init = proc_net_ns_init,
  .exit = proc_net_ns_exit,
 };
diff --git a/include/net/net_namespace.h b/include/net/net_namespace.h
index 93aa87d..5279466 100644
--- a/include/net/net_namespace.h
+++ b/include/net/net_namespace.h
@@ -102,11 +102,9 @@ static inline void release_net(struct net *net)
 #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 {
diff --git a/net/core/dev.c b/net/core/dev.c
index f1647d7..1afcb56 100644
--- a/net/core/dev.c
+++ b/net/core/dev.c
@@ -2665,7 +2665,7 @@ static void __net_exit dev_proc_net_exit(struct net *net)
  proc_net_remove(net, "dev");
 }

-static struct pernet_operations __net_initdata dev_proc_ops = {
+static struct pernet_operations dev_proc_ops = {
  .init = dev_proc_net_init,
  .exit = dev_proc_net_exit,
 };
@@ -4325,7 +4325,7 @@ static void __net_exit netdev_exit(struct net *net)
  kfree(net->dev_index_head);
 }

-static struct pernet_operations __net_initdata netdev_net_ops = {
+static struct pernet_operations netdev_net_ops = {
  .init = netdev_init,
  .exit = netdev_exit,
 };
@@ -4356,7 +4356,7 @@ static void __net_exit default_device_exit(struct net *net)
  rtnl_unlock();
 }

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

diff --git a/net/core/dev_mcast.c b/net/core/dev_mcast.c
index 15241cf..ae35405 100644
--- a/net/core/dev_mcast.c
+++ b/net/core/dev_mcast.c
@@ -285,7 +285,7 @@ static void __net_exit dev_mc_net_exit(struct net *net)
  proc_net_remove(net, "dev_mcast");
 }

-static struct pernet_operations __net_initdata dev_mc_net_ops = {
+static struct pernet_operations dev_mc_net_ops = {
  .init = dev_mc_net_init,
```

```
  .exit = dev_mc_net_exit,
 };
diff --git a/net/netlink/af_netlink.c b/net/netlink/af_netlink.c
index 3252729..4f994c0 100644
--- a/net/netlink/af_netlink.c
+++ b/net/netlink/af_netlink.c
@@ -1888,7 +1888,7 @@ static void __net_exit netlink_net_exit(struct net *net)
 #endif
 }

-static struct pernet_operations __net_initdata netlink_net_ops = {
+static struct pernet_operations netlink_net_ops = {
  .init = netlink_net_init,
  .exit = netlink_net_exit,
 };
```