
Subject: [PATCH net-2.6.25 6/7] Switch users of ipv4_devconf_dflt to use the pernet one

Posted by [Pavel Emelianov](#) on Tue, 11 Dec 2007 17:59:58 GMT

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They are all collected in the net/ipv4/devinet.c file and mostly use the IPV4_DEVCONF_DFLT macro.

So I add the net parameter to it and patch users accordingly.

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```
diff --git a/net/ipv4/devinet.c b/net/ipv4/devinet.c
```

```
index 996f07e..cd957f4 100644
```

```
--- a/net/ipv4/devinet.c
```

```
+++ b/net/ipv4/devinet.c
```

```
@@ -83,7 +83,8 @@ static struct ipv4_devconf ipv4_devconf_dflt = {  
    },  
};
```

```
-#define IPV4_DEVCONF_DFLT(attr) IPV4_DEVCONF(ipv4_devconf_dflt, attr)
```

```
+#define IPV4_DEVCONF_DFLT(net, attr) \
```

```
+ IPV4_DEVCONF((*net->ipv4.devconf_dflt), attr)
```

```
static const struct nla_policy ifa_ipv4_policy[IFA_MAX+1] = {  
    [IFA_LOCAL] = { .type = NLA_U32 },
```

```
@@ -164,7 +165,8 @@ static struct inetdev_init(struct net_device *dev)
```

```
if (!in_dev)
```

```
goto out;
```

```
INIT_RCU_HEAD(&in_dev->rcu_head);
```

```
- memcpy(&in_dev->cnf, &ipv4_devconf_dflt, sizeof(in_dev->cnf));
```

```
+ memcpy(&in_dev->cnf, dev->nd_net->ipv4.devconf_dflt,
```

```
+ sizeof(in_dev->cnf));
```

```
in_dev->cnf.sysctl = NULL;
```

```
in_dev->dev = dev;
```

```
if ((in_dev->arp_parms = neigh_parms_alloc(dev, &arp_tbl)) == NULL)
```

```
@@ -1248,7 +1250,7 @@ static void devinet_copy_dflt_conf(struct net *net, int i)
```

```
rcu_read_lock();
```

```
in_dev = __in_dev_get_rcu(dev);
```

```
if (in_dev && !test_bit(i, in_dev->cnf.state))
```

```
- in_dev->cnf.data[i] = ipv4_devconf_dflt.data[i];
```

```
+ in_dev->cnf.data[i] = net->ipv4.devconf_dflt->data[i];
```

```
rcu_read_unlock();
```

```
}
```

```
read_unlock(&dev_base_lock);
```

```
@@ -1260,7 +1262,7 @@ static void inet_forward_change(struct net *net)
```

```

int on = IPV4_DEVCONF_ALL(FORWARDING);

IPV4_DEVCONF_ALL(ACCEPT_REDIRECTS) = !on;
- IPV4_DEVCONF_DFLT(FORWARDING) = on;
+ IPV4_DEVCONF_DFLT(net, FORWARDING) = on;

read_lock(&dev_base_lock);
for_each_netdev(net, dev) {
@@ -1289,7 +1291,7 @@ static int devinet_conf_proc(ctl_table *ctl, int write,

    set_bit(i, cnf->state);

- if (cnf == &ipv4_devconf_dflt)
+ if (cnf == net->ipv4.devconf_dflt)
    devinet_copy_dflt_conf(net, i);
}

@@ -1342,7 +1344,7 @@ static int devinet_conf_sysctl(ctl_table *table, int __user *name, int
nlen,

    set_bit(i, cnf->state);

- if (cnf == &ipv4_devconf_dflt)
+ if (cnf == net->ipv4.devconf_dflt)
    devinet_copy_dflt_conf(net, i);

return 1;
@@ -1361,7 +1363,7 @@ static int devinet_sysctl_forward(ctl_table *ctl, int write,

    if (valp == &IPV4_DEVCONF_ALL(FORWARDING))
        inet_forward_change(net);
- else if (valp != &IPV4_DEVCONF_DFLT(FORWARDING))
+ else if (valp != &IPV4_DEVCONF_DFLT(net, FORWARDING))
    rt_cache_flush(0);
}

--
1.5.3.4

```
