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Subject: [PATCH 1/6][NETNS]: Introduce a netns\_core structure.  
Posted by [Pavel Emelianov](#) on Mon, 31 Mar 2008 12:09:08 GMT  
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There's already some stuff on the struct net, that should better be folded into netns\_core structure. I'm making the per Proto inuse counter be per-net also, which is also a candidate for this, so introduce this structure and populate it a bit.

Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

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```
include/net/net_namespace.h |  6 +-----
include/net/netns/core.h   | 13 ++++++-----
net/core/sysctl_net_core.c| 12 ++++++-----
net/socket.c              |  2 ++
4 files changed, 22 insertions(+), 11 deletions(-)
create mode 100644 include/net/netns/core.h
```

```
diff --git a/include/net/net_namespace.h b/include/net/net_namespace.h
index f8f3d1a..c01d45f 100644
```

```
--- a/include/net/net_namespace.h
+++ b/include/net/net_namespace.h
```

```
@@ -8,6 +8,7 @@

```

```
#include <linux/workqueue.h>
#include <linux/list.h>
```

```
+#include <net/netns/core.h>
```

```
#include <net/netns/unix.h>
```

```
#include <net/netns/packet.h>
```

```
#include <net/netns/ipv4.h>
```

```
@@ -46,10 +47,7 @@ struct net {
```

```
    struct sock *rtnl; /* rtinetlink socket */
```

```
- /* core sysctls */
```

```
- struct ctl_table_header *sysctl_core_hdr;
```

```
- int sysctl_somaxconn;
```

```
-
```

```
+ struct netns_core core;
```

```
    struct netns_packet packet;
```

```
    struct netns_unix unix;
```

```
    struct netns_ipv4 ipv4;
```

```
diff --git a/include/net/netns/core.h b/include/net/netns/core.h
```

```
new file mode 100644
```

```
index 0000000..0e8c0f8
```

```
--- /dev/null
```

```
+++ b/include/net/netns/core.h
```

```

@@ -0,0 +1,13 @@
+#ifndef __NETNS_CORE_H__
+#define __NETNS_CORE_H__
+
+struct ctl_table_header;
+
+struct netns_core {
+ /* core sysctls */
+ struct ctl_table_header *sysctl_hdr;
+
+ int sysctl_somaxconn;
+};
+
+#endif
diff --git a/net/core/sysctl_net_core.c b/net/core/sysctl_net_core.c
index 130338f..5fc8010 100644
--- a/net/core/sysctl_net_core.c
+++ b/net/core/sysctl_net_core.c
@@ -127,7 +127,7 @@ static struct ctl_table net_core_table[] = {
{
    .ctl_name = NET_CORE_SOMAXCONN,
    .procname = "somaxconn",
-   .data = &init_net.sysctl_somaxconn,
+   .data = &init_net.core.sysctl_somaxconn,
    .maxlen = sizeof(int),
    .mode = 0644,
    .proc_handler = &proc_dointvec
@@ -161,7 +161,7 @@ static __net_init int sysctl_core_net_init(struct net *net)
{
    struct ctl_table *tbl, *tmp;

- net->sysctl_somaxconn = SOMAXCONN;
+ net->core.sysctl_somaxconn = SOMAXCONN;

    tbl = net_core_table;
    if (net != &init_net) {
@@ -178,9 +178,9 @@ static __net_init int sysctl_core_net_init(struct net *net)
    }
}

- net->sysctl_core_hdr = register_net_sysctl_table(net,
+ net->core.sysctl_hdr = register_net_sysctl_table(net,
    net_core_path, tbl);
- if (net->sysctl_core_hdr == NULL)
+ if (net->core.sysctl_hdr == NULL)
    goto err_reg;

    return 0;

```

```
@@ -196,8 +196,8 @@ static __net_exit void sysctl_core_net_exit(struct net *net)
{
    struct ctl_table *tbl;

- tbl = net->sysctl_core_hdr->ctl_table_arg;
- unregister_net_sysctl_table(net->sysctl_core_hdr);
+ tbl = net->core.sysctl_hdr->ctl_table_arg;
+ unregister_net_sysctl_table(net->core.sysctl_hdr);
    BUG_ON(tbl == net_core_table);
    kfree(tbl);
}
diff --git a/net/socket.c b/net/socket.c
index 79e5382..9b5c917 100644
--- a/net/socket.c
+++ b/net/socket.c
@@ -1375,7 +1375,7 @@ asmlinkage long sys_listen(int fd, int backlog)

    sock = sockfd_lookup_light(fd, &err, &fput_needed);
    if (sock) {
-        somaxconn = sock_net(sock->sk)->sysctl_somaxconn;
+        somaxconn = sock_net(sock->sk)->core.sysctl_somaxconn;
        if ((unsigned)backlog > somaxconn)
            backlog = somaxconn;
```

--  
1.5.3.4

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Subject: Re: [PATCH 1/6][NETNS]: Introduce a netns\_core structure.

Posted by [davem](#) on Tue, 01 Apr 2008 03:19:03 GMT

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From: Pavel Emelyanov <xemul@openvz.org>

Date: Mon, 31 Mar 2008 16:09:08 +0400

> There's already some stuff on the struct net, that should better  
> be folded into netns\_core structure. I'm making the per-proto inuse  
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> introduce this structure and populate it a bit.  
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Applied.

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