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>

---
 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;   /* rtnetlink socket */

- /* core sysctls */
- struct ctl_table_header *sysctl_core_hdr;
- int   sysctl_somaxconn;
-
+ struct netns_core core;
  struct netns_packet packet;
  struct netns_unix unx;
  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
```

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

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Applied.
