Subject: [PATCH 2/2] SUNRPC: register service stats /proc entries in passed network namespace context
Posted by Stanislav Kinsbursky on Tue, 06 Dec 2011 12:46:18 GMT
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This patch makes it possible to create NFSd program entry ("/proc/net/rpc/nfsd")
in passed network namespace context instead of hard-coded "init_net".

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---
 fs/nfsd/stats.c | 5 +++--
 include/linux/sunrpc/stats.h | 8 ++++----
 net/sunrpc/stats.c | 8 ++++----
 3 files changed, 11 insertions(+), 10 deletions(-)

```
diff --git a/fs/nfsd/stats.c b/fs/nfsd/stats.c
index a2e2402..6d4521f 100644
--- a/fs/nfsd/stats.c
+++ b/fs/nfsd/stats.c
@@ -25,6 +25,7 @@
 #include <linux/module.h>
 #include <linux/sunrpc/stats.h>
 #include <linux/nfsd/stats.h>
+#include <net/net_namespace.h>

 #include "nfsd.h"

@@ -94,11 +95,11 @@ static const struct file_operations nfsd_proc_fops = {
 void
 nfsd_stat_init(void)
 {
- svc_proc_register(&nfsd_svcstats, &nfsd_proc_fops);
+ svc_proc_register(&init_net, &nfsd_svcstats, &nfsd_proc_fops);
 }

 void
 nfsd_stat_shutdown(void)
 {
- svc_proc_unregister("nfsd");
+ svc_proc_unregister(&init_net, "nfsd");
 }
diff --git a/include/linux/sunrpc/stats.h b/include/linux/sunrpc/stats.h
index f625b57..4720b12 100644
--- a/include/linux/sunrpc/stats.h
+++ b/include/linux/sunrpc/stats.h
@@ -61,9 +61,9 @@ void   rpc_modcount(struct inode *, int);
 struct proc_dir_entry * rpc_proc_register(struct net *,struct rpc_stat *);
```

```
 void   rpc_proc_unregister(struct net *,const char *);
 void   rpc_proc_zero(struct rpc_program *);
-struct proc_dir_entry * svc_proc_register(struct svc_stat *,
+struct proc_dir_entry * svc_proc_register(struct net *, struct svc_stat *,
        const struct file_operations *);
-void   svc_proc_unregister(const char *);
+void   svc_proc_unregister(struct net *, const char *);

 void   svc_seq_show(struct seq_file *,
          const struct svc_stat *);
@@ -73,9 +73,9 @@ static inline struct proc_dir_entry *rpc_proc_register(struct net *, struct rpc_
 static inline void rpc_proc_unregisterstruct net *, (const char *p) {}
 static inline void rpc_proc_zero(struct rpc_program *p) {}

-static inline struct proc_dir_entry *svc_proc_register(struct svc_stat *s,
+static inline struct proc_dir_entry *svc_proc_register(struct net *net, struct svc_stat *s,
             const struct file_operations *f) { return NULL; }
-static inline void svc_proc_unregister(const char *p) {}
+static inline void svc_proc_unregister(struct net *net, const char *p) {}

 static inline void svc_seq_show(struct seq_file *seq,
     const struct svc_stat *st) {}
diff --git a/net/sunrpc/stats.c b/net/sunrpc/stats.c
index f0f6e7c..3c4f688 100644
--- a/net/sunrpc/stats.c
+++ b/net/sunrpc/stats.c
@@ -241,18 +241,18 @@ rpc_proc_unregister(struct net *net, const char *name)
 EXPORT_SYMBOL_GPL(rpc_proc_unregister);

 struct proc_dir_entry *
-svc_proc_register(struct svc_stat *statp, const struct file_operations *fops)
+svc_proc_register(struct net *net, struct svc_stat *statp, const struct file_operations *fops)
 {
- return do_register(&init_net, statp->program->pg_name, statp, fops);
+ return do_register(net, statp->program->pg_name, statp, fops);
 }
 EXPORT_SYMBOL_GPL(svc_proc_register);

 void
-svc_proc_unregister(const char *name)
+svc_proc_unregister(struct net *net, const char *name)
 {
  struct sunrpc_net *sn;

- sn = net_generic(&init_net, sunrpc_net_id);
+ sn = net_generic(net, sunrpc_net_id);
  remove_proc_entry(name, sn->proc_net_rpc);
 }
```

```
EXPORT_SYMBOL_GPL(svc_proc_unregister);
```