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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".

Signed-off-by: Stanislav Kinsbursky <[skinsbursky@parallels.com](mailto:skinsbursky@parallels.com)>

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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_unregister(struct 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);
```

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