
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>

```
---
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);

Subject: Re: [PATCH 2/2] SUNRPC: register service stats /proc entries in passed network namespace context

Posted by [bfields](#) on Tue, 06 Dec 2011 21:49:28 GMT

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On Tue, Dec 06, 2011 at 04:42:49PM +0300, Stanislav Kinsbursky wrote:

> 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".

Acked-by: J. Bruce Fields <bfields@redhat.com>

Or I can just apply it. I'll assume it's going through Trond's tree unless I hear otherwise.

--b.

>
> Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>
>
> ---
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> #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 *) {}
>
> -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 *) {}
> +static inline void svc_proc_unregister(struct net *net, const char *) {}
>
> 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);
>
```
