Subject: [PATCH] SUNRPC: create svc_xprt in proper network namespace
Posted by Stanislav Kinsbursky on Tue, 06 Dec 2011 10:23:04 GMT
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This patch makes svc_xprt inherit network namespace link from it's socket.

Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>

---
 include/linux/sunrpc/svc_xprt.h | 2 +-
 net/sunrpc/svc_xprt.c | 6 +++---
 net/sunrpc/svcsock.c | 8 +++++---
 net/sunrpc/xprtrdma/svc_rdma_transport.c | 2 +-
 4 files changed, 10 insertions(+), 8 deletions(-)

```
diff --git a/include/linux/sunrpc/svc_xprt.h b/include/linux/sunrpc/svc_xprt.h
index 8620f79..18df516 100644
--- a/include/linux/sunrpc/svc_xprt.h
+++ b/include/linux/sunrpc/svc_xprt.h
@@ -109,7 +109,7 @@ static inline int register_xpt_user(struct svc_xprt *xpt, struct svc_xpt_user
*u

 int svc_reg_xprt_class(struct svc_xprt_class *);
 void svc_unreg_xprt_class(struct svc_xprt_class *);
-void svc_xprt_init(struct svc_xprt_class *, struct svc_xprt *,
+void svc_xprt_init(struct net *, struct svc_xprt_class *, struct svc_xprt *,
         struct svc_serv *);
 int svc_create_xprt(struct svc_serv *, const char *, struct net *,
     const int, const unsigned short, int);
diff --git a/net/sunrpc/svc_xprt.c b/net/sunrpc/svc_xprt.c
index 447cd0e..f8f0627 100644
--- a/net/sunrpc/svc_xprt.c
+++ b/net/sunrpc/svc_xprt.c
@@ -147,8 +147,8 @@ EXPORT_SYMBOL_GPL(svc_xprt_put);
  * Called by transport drivers to initialize the transport independent
  * portion of the transport instance.
  */
-void svc_xprt_init(struct svc_xprt_class *xcl, struct svc_xprt *xprt,
-     struct svc_serv *serv)
+void svc_xprt_init(struct net *net, struct svc_xprt_class *xcl,
+     struct svc_xprt *xprt, struct svc_serv *serv)
 {
  memset(xprt, 0, sizeof(*xprt));
  xprt->xpt_class = xcl;
@@ -163,7 +163,7 @@ void svc_xprt_init(struct svc_xprt_class *xcl, struct svc_xprt *xprt,
  spin_lock_init(&xprt->xpt_lock);
  set_bit(XPT_BUSY, &xprt->xpt_flags);
  rpc_init_wait_queue(&xprt->xpt_bc_pending, "xpt_bc_pending");
```

```
- xprt->xpt_net = get_net(&init_net);
+ xprt->xpt_net = get_net(net);
 }
 EXPORT_SYMBOL_GPL(svc_xprt_init);

diff --git a/net/sunrpc/svcsock.c b/net/sunrpc/svcsock.c
index 71bed1c..277909e 100644
--- a/net/sunrpc/svcsock.c
+++ b/net/sunrpc/svcsock.c
@@ -739,7 +739,8 @@ static void svc_udp_init(struct svc_sock *svsk, struct svc_serv *serv)
 {
  int err, level, optname, one = 1;

- svc_xprt_init(&svc_udp_class, &svsk->sk_xprt, serv);
+ svc_xprt_init(sock_net(svsk->sk_sock->sk), &svc_udp_class,
+       &svsk->sk_xprt, serv);
  clear_bit(XPT_CACHE_AUTH, &svsk->sk_xprt.xpt_flags);
  svsk->sk_sk->sk_data_ready = svc_udp_data_ready;
  svsk->sk_sk->sk_write_space = svc_write_space;
@@ -1343,7 +1344,8 @@ static void svc_tcp_init(struct svc_sock *svsk, struct svc_serv *serv)
 {
  struct sock *sk = svsk->sk_sk;

- svc_xprt_init(&svc_tcp_class, &svsk->sk_xprt, serv);
+ svc_xprt_init(sock_net(svsk->sk_sock->sk), &svc_tcp_class,
+       &svsk->sk_xprt, serv);
  set_bit(XPT_CACHE_AUTH, &svsk->sk_xprt.xpt_flags);
  if (sk->sk_state == TCP_LISTEN) {
   dprintk("setting up TCP socket for listening\n");
@@ -1659,7 +1661,7 @@ static struct svc_xprt *svc_bc_create_socket(struct svc_serv *serv,
   return ERR_PTR(-ENOMEM);

  xprt = &svsk->sk_xprt;
- svc_xprt_init(&svc_tcp_bc_class, xprt, serv);
+ svc_xprt_init(net, &svc_tcp_bc_class, xprt, serv);

  serv->sv_bc_xprt = xprt;

diff --git a/net/sunrpc/xprtrdma/svc_rdma_transport.c b/net/sunrpc/xprtrdma/svc_rdma_transport.c
index ba1296d..894cb42 100644
--- a/net/sunrpc/xprtrdma/svc_rdma_transport.c
+++ b/net/sunrpc/xprtrdma/svc_rdma_transport.c
@@ -453,7 +453,7 @@ static struct svcxprt_rdma *rdma_create_xprt(struct svc_serv *serv,

  if (!cma_xprt)
   return NULL;
- svc_xprt_init(&svc_rdma_class, &cma_xprt->sc_xprt, serv);
+ svc_xprt_init(&init_net, &svc_rdma_class, &cma_xprt->sc_xprt, serv);
```

INIT_LIST_HEAD(&cma_xprt->sc_accept_q);
INIT_LIST_HEAD(&cma_xprt->sc_dto_q);
INIT_LIST_HEAD(&cma_xprt->sc_rq_dto_q);

Subject: Re: [PATCH] SUNRPC: create svc_xprt in proper network namespace
Posted by Stanislav Kinsbursky on Tue, 06 Dec 2011 12:44:25 GMT
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> Stanislav Kinsbursky wrote:
>
> This patch makes svc_xprt inherit network namespace link from it's socket.
>
> Should be "its socket."

Yep, sure. Silly mistake.
Thanks.

--
Best regards,
Stanislav Kinsbursky

Subject: Re: [PATCH] SUNRPC: create svc_xprt in proper network namespace
Posted by Jim Rees on Tue, 06 Dec 2011 12:44:27 GMT
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Stanislav Kinsbursky wrote:

This patch makes svc_xprt inherit network namespace link from it's socket.

Should be "its socket."

Subject: Re: [PATCH] SUNRPC: create svc_xprt in proper network namespace
Posted by bfields on Tue, 06 Dec 2011 20:48:51 GMT
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On Tue, Dec 06, 2011 at 02:19:10PM +0300, Stanislav Kinsbursky wrote:
> This patch makes svc_xprt inherit network namespace link from it's socket.

And poor rdma gets left out. OK. Applying for 3.3 (with changelog typo
fixed).

--b.

>
> Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>
>
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> net/sunrpc/svc_xprt.c | 6 +++---
> net/sunrpc/svcsock.c | 8 +++++---
> net/sunrpc/xprtrdma/svc_rdma_transport.c | 2 +-
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>
> int svc_reg_xprt_class(struct svc_xprt_class *);
> void svc_unreg_xprt_class(struct svc_xprt_class *);
> -void svc_xprt_init(struct svc_xprt_class *, struct svc_xprt *,
> +void svc_xprt_init(struct net *, struct svc_xprt_class *, struct svc_xprt *,
>   struct svc_serv *);
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>   * Called by transport drivers to initialize the transport independent
>   * portion of the transport instance.
>   */
> -void svc_xprt_init(struct svc_xprt_class *xcl, struct svc_xprt *xprt,
> -   struct svc_serv *serv)
> +void svc_xprt_init(struct net *net, struct svc_xprt_class *xcl,
> +   struct svc_xprt *xprt, struct svc_serv *serv)
> {
>   memset(xprt, 0, sizeof(*xprt));
>   xprt->xpt_class = xcl;
> @@ -163,7 +163,7 @@ void svc_xprt_init(struct svc_xprt_class *xcl, struct svc_xprt *xprt,
>   spin_lock_init(&xprt->xpt_lock);
>   set_bit(XPT_BUSY, &xprt->xpt_flags);
>   rpc_init_wait_queue(&xprt->xpt_bc_pending, "xpt_bc_pending");
> - xprt->xpt_net = get_net(&init_net);
> + xprt->xpt_net = get_net(net);
> }
> EXPORT_SYMBOL_GPL(svc_xprt_init);
>

```
> diff --git a/net/sunrpc/svcsock.c b/net/sunrpc/svcsock.c
> index 71bed1c..277909e 100644
> --- a/net/sunrpc/svcsock.c
> +++ b/net/sunrpc/svcsock.c
> @@ -739,7 +739,8 @@ static void svc_udp_init(struct svc_sock *svsk, struct svc_serv *serv)
>  {
>   int err, level, optname, one = 1;
>
> - svc_xprt_init(&svc_udp_class, &svsk->sk_xprt, serv);
> + svc_xprt_init(sock_net(svsk->sk_sock->sk), &svc_udp_class,
> +        &svsk->sk_xprt, serv);
>   clear_bit(XPT_CACHE_AUTH, &svsk->sk_xprt.xpt_flags);
>   svsk->sk_sk->sk_data_ready = svc_udp_data_ready;
>   svsk->sk_sk->sk_write_space = svc_write_space;
> @@ -1343,7 +1344,8 @@ static void svc_tcp_init(struct svc_sock *svsk, struct svc_serv *serv)
>  {
>   struct sock *sk = svsk->sk_sk;
>
> - svc_xprt_init(&svc_tcp_class, &svsk->sk_xprt, serv);
> + svc_xprt_init(sock_net(svsk->sk_sock->sk), &svc_tcp_class,
> +        &svsk->sk_xprt, serv);
>   set_bit(XPT_CACHE_AUTH, &svsk->sk_xprt.xpt_flags);
>   if (sk->sk_state == TCP_LISTEN) {
>    dprintk("setting up TCP socket for listening\n");
> @@ -1659,7 +1661,7 @@ static struct svc_xprt *svc_bc_create_socket(struct svc_serv *serv,
>    return ERR_PTR(-ENOMEM);
>
>   xprt = &svsk->sk_xprt;
> - svc_xprt_init(&svc_tcp_bc_class, xprt, serv);
> + svc_xprt_init(net, &svc_tcp_bc_class, xprt, serv);
>
>   serv->sv_bc_xprt = xprt;
>
> diff --git a/net/sunrpc/xprtrdma/svc_rdma_transport.c
b/net/sunrpc/xprtrdma/svc_rdma_transport.c
> index ba1296d..894cb42 100644
> --- a/net/sunrpc/xprtrdma/svc_rdma_transport.c
> +++ b/net/sunrpc/xprtrdma/svc_rdma_transport.c
> @@ -453,7 +453,7 @@ static struct svcxprt_rdma *rdma_create_xprt(struct svc_serv *serv,
>
>   if (!cma_xprt)
>    return NULL;
> - svc_xprt_init(&svc_rdma_class, &cma_xprt->sc_xprt, serv);
> + svc_xprt_init(&init_net, &svc_rdma_class, &cma_xprt->sc_xprt, serv);
>   INIT_LIST_HEAD(&cma_xprt->sc_accept_q);
>   INIT_LIST_HEAD(&cma_xprt->sc_dto_q);
>   INIT_LIST_HEAD(&cma_xprt->sc_rq_dto_q);
>
```

Subject: Re: [PATCH] SUNRPC: create svc_xprt in proper network namespace
Posted by Stanislav Kinsbursky on Wed, 07 Dec 2011 08:45:16 GMT
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> On Tue, Dec 06, 2011 at 02:19:10PM +0300, Stanislav Kinsbursky wrote:
>> This patch makes svc_xprt inherit network namespace link from it's socket.
>
> And poor rdma gets left out.

Sorry, but this is not a part of my interest.

> OK. Applying for 3.3 (with changelog typo
> fixed).
>

Good, thanks.

--
Best regards,
Stanislav Kinsbursky