
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>
>
> ---
> 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_xprt_user(struct svc_xprt *xprt, struct
> svc_xprt_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)
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> {
>  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

```

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> --- 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);
>
```
