
Subject: [PATCH 3/5] NFS: search for client session id in proper network namespace

Posted by [Stanislav Kinsbursky](#) on Thu, 26 Jan 2012 11:11:49 GMT

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Network namespace is taken from request transport and passed as a part of cb_process_state structure.

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

```
fs/nfs/callback.h      | 1 +
fs/nfs/callback_proc.c | 2 +-
fs/nfs/callback_xdr.c  | 1 +
fs/nfs/client.c        | 4 +++-
fs/nfs/internal.h      | 3 +-
5 files changed, 7 insertions(+), 4 deletions(-)
```

diff --git a/fs/nfs/callback.h b/fs/nfs/callback.h

index c89d3b9..197e0d3 100644

--- a/fs/nfs/callback.h

+++ b/fs/nfs/callback.h

```
@@ -39,6 +39,7 @@ struct cb_process_state {
    __be32 drc_status;
    struct nfs_client *clp;
    int slotid;
+ struct net *net;
};
```

```
struct cb_compound_hdr_arg {
```

diff --git a/fs/nfs/callback_proc.c b/fs/nfs/callback_proc.c

index 0e6e63f..f71978d 100644

--- a/fs/nfs/callback_proc.c

+++ b/fs/nfs/callback_proc.c

```
@@ -461,7 +461,7 @@ __be32 nfs4_callback_sequence(struct cb_sequenceargs *args,
    int i;
    __be32 status = htonl(NFS4ERR_BADSESSION);
```

```
- clp = nfs4_find_client_sessionid(args->csa_addr, &args->csa_sessionid);
```

```
+ clp = nfs4_find_client_sessionid(cps->net, args->csa_addr, &args->csa_sessionid);
    if (clp == NULL)
        goto out;
```

diff --git a/fs/nfs/callback_xdr.c b/fs/nfs/callback_xdr.c

index f2be3e1e..8c2a969 100644

--- a/fs/nfs/callback_xdr.c

+++ b/fs/nfs/callback_xdr.c

```
@@ -861,6 +861,7 @@ static __be32 nfs4_callback_compound(struct svc_rqst *rqstp, void
```

```

*argp, void *r
    .drc_status = 0,
    .clp = NULL,
    .slotid = -1,
+ .net = rqstp->rq_xprt->xpt_net,
};
    unsigned int nops = 0;

diff --git a/fs/nfs/client.c b/fs/nfs/client.c
index 9e11d29..2328dcb 100644
--- a/fs/nfs/client.c
+++ b/fs/nfs/client.c
@@ -1232,11 +1232,11 @@ nfs4_find_client_ident(struct net *net, int cb_ident)
    * Returns NULL if no such client
    */
    struct nfs_client *
-nfs4_find_client_sessionid(const struct sockaddr *addr,
+nfs4_find_client_sessionid(struct net *net, const struct sockaddr *addr,
    struct nfs4_sessionid *sid)
{
    struct nfs_client *clp;
- struct nfs_net *nn = net_generic(&init_net, nfs_net_id);
+ struct nfs_net *nn = net_generic(net, nfs_net_id);

    spin_lock(&nn->nfs_client_lock);
    list_for_each_entry(clp, &nn->nfs_client_list, cl_share_link) {
diff --git a/fs/nfs/internal.h b/fs/nfs/internal.h
index b38b733..0c3648a 100644
--- a/fs/nfs/internal.h
+++ b/fs/nfs/internal.h
@@ -152,7 +152,8 @@ extern void nfs_cleanup_cb_ident_idr(struct net *);
extern void nfs_put_client(struct nfs_client *);
extern struct nfs_client *nfs4_find_client_ident(struct net *, int);
extern struct nfs_client *
-nfs4_find_client_sessionid(const struct sockaddr *, struct nfs4_sessionid *);
+nfs4_find_client_sessionid(struct net *, const struct sockaddr *,
+ struct nfs4_sessionid *);
extern struct nfs_server *nfs_create_server(
    const struct nfs_parsed_mount_data *,
    struct nfs_fh *);

```

Subject: Re: [PATCH 3/5] NFS: search for client session id in proper network namespace

Posted by [Bryan Schumaker](#) on Tue, 07 Feb 2012 15:43:04 GMT

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On 01/26/12 06:11, Stanislav Kinsbursky wrote:

```

> Network namespace is taken from request transport and passed as a part of
> cb_process_state structure.
>
> Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>
>
> ---
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> fs/nfs/callback_proc.c | 2 +-
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> index 0e6e63f..f71978d 100644
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> +++ b/fs/nfs/callback_proc.c
> @@ -461,7 +461,7 @@ __be32 nfs4_callback_sequence(struct cb_sequenceargs *args,
>  int i;
>  __be32 status = htonl(NFS4ERR_BADSESSION);
>
> - clp = nfs4_find_client_sessionid(args->csa_addr, &args->csa_sessionid);
> + clp = nfs4_find_client_sessionid(cps->net, args->csa_addr, &args->csa_sessionid);
>  if (clp == NULL)
>    goto out;
>
> diff --git a/fs/nfs/callback_xdr.c b/fs/nfs/callback_xdr.c
> index f2be3e1e..8c2a969 100644
> --- a/fs/nfs/callback_xdr.c
> +++ b/fs/nfs/callback_xdr.c
> @@ -861,6 +861,7 @@ static __be32 nfs4_callback_compound(struct svc_rqst *rqstp, void
> *argp, void *r
>  .drc_status = 0,
>  .clp = NULL,
>  .slotid = -1,

```

```

> + .net = rqstp->rq_xprt->xpt_net,
> };
> unsigned int nops = 0;
>
> diff --git a/fs/nfs/client.c b/fs/nfs/client.c
> index 9e11d29..2328dcb 100644
> --- a/fs/nfs/client.c
> +++ b/fs/nfs/client.c
> @@ -1232,11 +1232,11 @@ nfs4_find_client_ident(struct net *net, int cb_ident)
>  * Returns NULL if no such client
>  */
> struct nfs_client *
> -nfs4_find_client_sessionid(const struct sockaddr *addr,
> +nfs4_find_client_sessionid(struct net *net, const struct sockaddr *addr,
>     struct nfs4_sessionid *sid)
> {
>     struct nfs_client *clp;
>     struct nfs_net *nn = net_generic(&init_net, nfs_net_id);
> + struct nfs_net *nn = net_generic(net, nfs_net_id);

```

Hi,

You changed this function for the v4.1 case, but not for v4.0 (this is what I was trying to bisect earlier). Without CONFIG_NFS_V4_1 set, I get this:

```

make[1]: Nothing to be done for `all'.
CHK    include/linux/version.h
CHK    include/generated/utsrelease.h
CALL   scripts/checksyscalls.sh
CHK    include/generated/compile.h
CHK    kernel/config_data.h
CC [M] fs/nfs/client.o
fs/nfs/client.c:1265:1: error: conflicting types for 'nfs4_find_client_sessionid'
fs/nfs/internal.h:155:1: note: previous declaration of 'nfs4_find_client_sessionid' was here
make[2]: *** [fs/nfs/client.o] Error 1
make[1]: *** [fs/nfs] Error 2
make: *** [fs] Error 2

```

- Bryan

```

>
> spin_lock(&nn->nfs_client_lock);
> list_for_each_entry(clp, &nn->nfs_client_list, cl_share_link) {
> diff --git a/fs/nfs/internal.h b/fs/nfs/internal.h
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> @@ -152,7 +152,8 @@ extern void nfs_cleanup_cb_ident_idr(struct net *);
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> +nfs4_find_client_sessionid(struct net *, const struct sockaddr *,
> + struct nfs4_sessionid *);
> extern struct nfs_server *nfs_create_server(
>     const struct nfs_parsed_mount_data *,
>     struct nfs_fh *);
>
> --
> To unsubscribe from this list: send the line "unsubscribe linux-nfs" in
> the body of a message to majordomo@vger.kernel.org
> More majordomo info at http://vger.kernel.org/majordomo-info.html
```

Subject: Re: [PATCH 3/5] NFS: search for client session id in proper network namespace

Posted by [Stanislav Kinsbursky](#) on Tue, 07 Feb 2012 15:50:16 GMT

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```
>
>
> Hi,
>
> You changed this function for the v4.1 case, but not for v4.0 (this is what I was trying to bisect
earlier). Without CONFIG_NFS_V4_1 set, I get this:
>
```

Sorry. Thank for the catch.
I'll send patch soon.

```
> make[1]: Nothing to be done for `all'.
> CHK include/linux/version.h
> CHK include/generated/utsrelease.h
> CALL scripts/checksyscalls.sh
> CHK include/generated/compile.h
> CHK kernel/config_data.h
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> fs/nfs/client.c:1265:1: error: conflicting types for 'nfs4_find_client_sessionid'
> fs/nfs/internal.h:155:1: note: previous declaration of 'nfs4_find_client_sessionid' was here
> make[2]: *** [fs/nfs/client.o] Error 1
> make[1]: *** [fs/nfs] Error 2
> make: *** [fs] Error 2
>
> - Bryan
```

>
d

--

Best regards,
Stanislav Kinsbursky

Subject: Re: [PATCH 3/5] NFS: search for client session id in proper network namespace

Posted by [Myklebust, Trond](#) on Tue, 07 Feb 2012 17:48:52 GMT

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On Tue, 2012-02-07 at 10:43 -0500, Bryan Schumaker wrote:

> On 01/26/12 06:11, Stanislav Kinsbursky wrote:

>

> > Network namespace is taken from request transport and passed as a part of
> > cb_process_state structure.

> >

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

> >

> > ---

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> > fs/nfs/callback_proc.c | 2 +-

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> make[2]: *** [fs/nfs/client.o] Error 1
> make[1]: *** [fs/nfs] Error 2
> make: *** [fs] Error 2
```

Thanks for tracking this down Bryan!

--

Trond Myklebust
Linux NFS client maintainer

NetApp
Trond.Myklebust@netapp.com
www.netapp.com
