
Subject: [PATCH v3 07/11] NFS: make nfs_callback_tcpport per network context
Posted by [Stanislav Kinsbursky](#) on Tue, 03 Jul 2012 16:20:15 GMT
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Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>

fs/nfs/callback.c | 7 ++++---
fs/nfs/callback.h | 1 -
fs/nfs/netns.h | 1 +
fs/nfs/nfs4state.c | 4 +++-
4 files changed, 8 insertions(+), 5 deletions(-)

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

index f2a7605..80032fc 100644

--- a/fs/nfs/callback.c

+++ b/fs/nfs/callback.c

@@ -23,6 +23,7 @@

#include "nfs4_fs.h"

#include "callback.h"

#include "internal.h"

+#include "netns.h"

#define NFSDBG_FACILITY NFSDBG_CALLBACK

@@ -38,7 +39,6 @@ static DEFINE_MUTEX(nfs_callback_mutex);
static struct svc_program nfs4_callback_program;

unsigned int nfs_callback_set_tcpport;
-unsigned short nfs_callback_tcpport;
unsigned short nfs_callback_tcpport6;
#define NFS_CALLBACK_MAXPORTNR (65535U)

@@ -66,14 +66,15 @@ module_param_named(callback_tcpport, nfs_callback_set_tcpport,
portnr, 0644);

static int nfs4_callback_up_net(struct svc_serv *serv, struct net *net)

{
int ret;
+ struct nfs_net *nn = net_generic(net, nfs_net_id);

ret = svc_create_xprt(serv, "tcp", net, PF_INET,
nfs_callback_set_tcpport, SVC_SOCKET_ANONYMOUS);
if (ret <= 0)
goto out_err;
- nfs_callback_tcpport = ret;
+ nn->nfs_callback_tcpport = ret;
dprintk("NFS: Callback listener port = %u (af %u, net %p)\n",
- nfs_callback_tcpport, PF_INET, net);
+ nn->nfs_callback_tcpport, PF_INET, net);

```

ret = svc_create_xprt(serv, "tcp", net, PF_INET6,
    nfs_callback_set_tcpport, SVC_SOCKET_ANONYMOUS);
diff --git a/fs/nfs/callback.h b/fs/nfs/callback.h
index 6d900cf..8006959 100644
--- a/fs/nfs/callback.h
+++ b/fs/nfs/callback.h
@@ -208,7 +208,6 @@ extern int nfs4_set_callback_sessionid(struct nfs_client *clp);
#define NFS41_BC_MAX_CALLBACKS 1

extern unsigned int nfs_callback_set_tcpport;
-extern unsigned short nfs_callback_tcpport;
extern unsigned short nfs_callback_tcpport6;

#endif /* __LINUX_FS_NFS_CALLBACK_H */
diff --git a/fs/nfs/netns.h b/fs/nfs/netns.h
index 8a6394e..06a23fc 100644
--- a/fs/nfs/netns.h
+++ b/fs/nfs/netns.h
@@ -22,6 +22,7 @@ struct nfs_net {
    struct list_head nfs_volume_list;
#ifdef CONFIG_NFS_V4
    struct idr cb_ident_idr; /* Protected by nfs_client_lock */
+ unsigned short nfs_callback_tcpport;
#endif
    spinlock_t nfs_client_lock;
    struct timespec boot_time;
diff --git a/fs/nfs/nfs4state.c b/fs/nfs/nfs4state.c
index f38300e..bc0ddf8 100644
--- a/fs/nfs/nfs4state.c
+++ b/fs/nfs/nfs4state.c
@@ -56,6 +56,7 @@
#include "delegation.h"
#include "internal.h"
#include "pnfs.h"
+#include "netns.h"

#define NFSDBG_FACILITY NFSDBG_STATE

@@ -73,10 +74,11 @@ int nfs4_init_clientid(struct nfs_client *clp, struct rpc_cred *cred)
};
    unsigned short port;
    int status;
+ struct nfs_net *nn = net_generic(clp->cl_net, nfs_net_id);

    if (test_bit(NFS4CLNT_LEASE_CONFIRM, &clp->cl_state))
        goto do_confirm;
- port = nfs_callback_tcpport;

```

```
+ port = nn->nfs_callback_tcpport;  
  if (clp->cl_addr.ss_family == AF_INET6)  
    port = nfs_callback_tcpport6;
```
