
Subject: [PATCH v2 07/12] NFS: make nfs_callback_tcpport per network context
Posted by [Stanislav Kinsbursky](#) on Tue, 22 May 2012 07:36:38 GMT

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```
fs/nfs/callback.c | 7 ++++---
fs/nfs/callback.h | 1 -
fs/nfs/netns.h    | 1 +
fs/nfs/nfs4state.c | 5 ++++--
4 files changed, 9 insertions(+), 5 deletions(-)
```

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

index 11201dd..9380184 100644

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

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

@@ -24,6 +24,7 @@

#include "nfs4_fs.h"

#include "callback.h"

#include "internal.h"

+#include "netns.h"

#define NFSDBG_FACILITY NFSDBG_CALLBACK

@@ -39,7 +40,6 @@ 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)

@@ -67,14 +67,15 @@ 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 aa14ec3..8e4e8f8 100644
--- a/fs/nfs/netns.h
+++ b/fs/nfs/netns.h
@@ -18,6 +18,7 @@ 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;
};
diff --git a/fs/nfs/nfs4state.c b/fs/nfs/nfs4state.c
index 0f43414..5d68b3b 100644
--- a/fs/nfs/nfs4state.c
+++ b/fs/nfs/nfs4state.c
@@ -57,6 +57,8 @@
#include "internal.h"
#include "pnfs.h"

+#include "netns.h"
+
#define OPENOWNER_POOL_SIZE 8

const nfs4_stateid zero_stateid;
@@ -71,10 +73,11 @@ int nfs4_init_clientid(struct nfs_client *clp, struct rpc_cred *cred)
};
unsigned short port;
int status;
+ struct nfs_net *nn = net_generic(clp->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;
```
