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Subject: [PATCH v2 04/12] NFS: callback up - transport backchannel cleanup

Posted by Stanislav Kinsbursky on Tue, 22 May 2012 07:36:17 GMT

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No need to assign transports backchannel server explicitly in  
nfs41\_callback\_up() - there is nfs\_callback\_bc\_serv() function for this.  
By using it, nfs4\_callback\_up() and nfs41\_callback\_up() can be called without  
transport argument.

Note: service have to be passed to nfs\_callback\_bc\_serv() instead of callback,  
since callback link can be uninitialized.

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

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fs/nfs/callback.c | 34 ++++++-----

1 files changed, 17 insertions(+), 17 deletions(-)

```
diff --git a/fs/nfs/callback.c b/fs/nfs/callback.c
index 2ecea36..3e6aead 100644
--- a/fs/nfs/callback.c
+++ b/fs/nfs/callback.c
@@ -129,7 +129,7 @@ nfs4_callback_svc(void *vrqstp)
 * Prepare to bring up the NFSv4 callback service
 */
static struct svc_rqst *
-nfs4_callback_up(struct svc_serv *serv, struct rpc_xprt *xprt)
+nfs4_callback_up(struct svc_serv *serv)
{
    return svc_prepare_thread(serv, &serv->sv_pools[0], NUMA_NO_NODE);
}
@@ -185,16 +185,10 @@ nfs41_callback_svc(void *vrqstp)
 * Bring up the NFSv4.1 callback service
 */
static struct svc_rqst *
-nfs41_callback_up(struct svc_serv *serv, struct rpc_xprt *xprt)
+nfs41_callback_up(struct svc_serv *serv)
{
    struct svc_rqst *rqstp;
    /*
     * Save the svc_serv in the transport so that it can
     * be referenced when the session backchannel is initialized
     */
    xprt->bc_serv = serv;
    -
    INIT_LIST_HEAD(&serv->sv_cb_list);
    spin_lock_init(&serv->sv_cb_lock);
    init_waitqueue_head(&serv->sv_cb_waitq);
```

```

@@ -209,21 +203,25 @@ nfs41_callback_up(struct svc_serv *serv, struct rpc_xprt *xprt)
}

static inline int nfs_minorversion_callback_svc_setup(u32 minorversion,
- struct svc_serv *serv, struct rpc_xprt *xprt,
+ struct svc_serv *serv,
    struct svc_rqst **rqstp, int (**callback_svc)(void *vrqstp))
{
    if (minorversion) {
- *rqstp = nfs41_callback_up(serv, xprt);
+ *rqstp = nfs41_callback_up(serv);
        *callback_svc = nfs41_callback_svc;
    }
    return minorversion;
}

static inline void nfs_callback_bc_serv(u32 minorversion, struct rpc_xprt *xprt,
- struct nfs_callback_data *cb_info)
+ struct svc_serv *serv)
{
    if (minorversion)
- xprt->bc_serv = cb_info->serv;
+ /*
+ * Save the svc_serv in the transport so that it can
+ * be referenced when the session backchannel is initialized
+ */
+ xprt->bc_serv = serv;
}
#else
static int nfs41_callback_up_net(struct svc_serv *serv, struct net *net)
@@ -232,14 +230,14 @@ static int nfs41_callback_up_net(struct svc_serv *serv, struct net *net)
}

static inline int nfs_minorversion_callback_svc_setup(u32 minorversion,
- struct svc_serv *serv, struct rpc_xprt *xprt,
+ struct svc_serv *serv,
    struct svc_rqst **rqstp, int (**callback_svc)(void *vrqstp))
{
    return 0;
}

static inline void nfs_callback_bc_serv(u32 minorversion, struct rpc_xprt *xprt,
- struct nfs_callback_data *cb_info)
+ struct svc_serv *serv)
{
}

#endif /* CONFIG_NFS_V4_1 */
@@ -331,7 +329,7 @@ int nfs_callback_up(u32 minorversion, struct rpc_xprt *xprt)

```

```
}
```

```
if (cb_info->users++ || cb_info->task != NULL) {
```

```
- nfs_callback_bc_serv(minorversion, xprt, cb_info);
```

```
+ nfs_callback_bc_serv(minorversion, xprt, serv);
```

```
    goto out;
```

```
}
```

```
@@ -339,11 +337,13 @@ int nfs_callback_up(u32 minorversion, struct rpc_xprt *xprt)
```

```
if (ret < 0)
```

```
    goto err_net;
```

  

```
+ nfs_callback_bc_serv(minorversion, xprt, serv);
```

```
+
```

```
    minorversion_setup = nfs_minorversion_callback_svc_setup(minorversion,
```

```
-    serv, xprt, &rqstp, &callback_svc);
```

```
+    serv, &rqstp, &callback_svc);
```

```
    if (!minorversion_setup) {
```

```
        /* v4.0 callback setup */
```

```
-    rqstp = nfs4_callback_up(serv, xprt);
```

```
+    rqstp = nfs4_callback_up(serv);
```

```
        callback_svc = nfs4_callback_svc;
```

```
}
```