
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>

```
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 **rqstpp, int (**callback_svc)(void *vrqstp))
{
  if (minorversion) {
- *rqstpp = nfs41_callback_up(serv, xprt);
+ *rqstpp = 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 **rqstpp, 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;
  }

```
