
Subject: [PATCH 5/8] nfsd: pass svc_export_cache pointer as private data to
"exports"; seq f

Posted by [Stanislav Kinsbursky](#) on Wed, 28 Mar 2012 15:09:29 GMT

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Global svc_export_cache cache is going to be replaced with per-net instance. So
prepare the ground for it.

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```
fs/nfsd/export.c | 18 ++++++++-----  
fs/nfsd/nfsctl.c | 11 ++++++++--  
2 files changed, 21 insertions(+), 8 deletions(-)
```

```
diff --git a/fs/nfsd/export.c b/fs/nfsd/export.c
```

```
index c20a405..1495320 100644
```

```
--- a/fs/nfsd/export.c
```

```
+++ b/fs/nfsd/export.c
```

```
@@ -1029,13 +1029,14 @@ exp_pseudoroot(struct svc_rqst *rqstp, struct svc_fh *fhp)  
/* Iterator */
```

```
static void *e_start(struct seq_file *m, loff_t *pos)  
- __acquires(svc_export_cache.hash_lock)  
+ __acquires(((struct cache_detail *)m->private)->hash_lock)  
{  
    loff_t n = *pos;  
    unsigned hash, export;  
    struct cache_head *ch;  
-  
- read_lock(&svc_export_cache.hash_lock);  
+ struct cache_detail *cd = m->private;  
+  
+ read_lock(&cd->hash_lock);  
    if (!n--)  
        return SEQ_START_TOKEN;  
    hash = n >> 32;  
@@ -1082,9 +1083,11 @@ static void *e_next(struct seq_file *m, void *p, loff_t *pos)  
}
```

```
static void e_stop(struct seq_file *m, void *p)  
- __releases(svc_export_cache.hash_lock)  
+ __releases(((struct cache_detail *)m->private)->hash_lock)  
{  
- read_unlock(&svc_export_cache.hash_lock);  
+ struct cache_detail *cd = m->private;
```

```

+
+ read_unlock(&cd->hash_lock);
}

static struct flags {
@@ -1195,6 +1198,7 @@ static int e_show(struct seq_file *m, void *p)
{
    struct cache_head *cp = p;
    struct svc_export *exp = container_of(cp, struct svc_export, h);
+ struct cache_detail *cd = m->private;

    if (p == SEQ_START_TOKEN) {
        seq_puts(m, "# Version 1.1\n");
@@ -1203,10 +1207,10 @@ static int e_show(struct seq_file *m, void *p)
    }

    cache_get(&exp->h);
- if (cache_check(&svc_export_cache, &exp->h, NULL))
+ if (cache_check(cd, &exp->h, NULL))
    return 0;
    exp_put(exp);
- return svc_export_show(m, &svc_export_cache, cp);
+ return svc_export_show(m, cd, cp);
}

const struct seq_operations nfs_exports_op = {
diff --git a/fs/nfsd/nfsctl.c b/fs/nfsd/nfsctl.c
index dee6c1b..9bc6f8c 100644
--- a/fs/nfsd/nfsctl.c
+++ b/fs/nfsd/nfsctl.c
@@ -127,7 +127,16 @@ static const struct file_operations transaction_ops = {

static int exports_open(struct inode *inode, struct file *file)
{
- return seq_open(file, &nfs_exports_op);
+ int err;
+ struct seq_file *seq;
+
+ err = seq_open(file, &nfs_exports_op);
+ if (err)
+ return err;
+
+ seq = file->private_data;
+ seq->private = &svc_export_cache;
+ return 0;
}

static const struct file_operations exports_operations = {

```
