
Subject: [PATCH 12/15] Make NFS client use seq_list_xxx helpers

Posted by [xemul](#) on Fri, 18 May 2007 10:00:14 GMT

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This includes /proc/fs/nfsfs/servers and /proc/fs/nfsfs/volumes entries.

Both need to show the header and use the list_head.

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```
diff --git a/fs/nfs/client.c b/fs/nfs/client.c
index 50c6821..10355ec 100644
--- a/fs/nfs/client.c
+++ b/fs/nfs/client.c
@@ -1232,23 +1232,9 @@ static int nfs_server_list_open(struct i
 */
static void *nfs_server_list_start(struct seq_file *m, loff_t *_pos)
{
- struct list_head *_p;
- loff_t pos = *_pos;
-
/* lock the list against modification */
spin_lock(&nfs_client_lock);

- /* allow for the header line */
- if (!pos)
- return SEQ_START_TOKEN;
- pos--;
-
- /* find the n'th element in the list */
- list_for_each(_p, &nfs_client_list)
- if (!pos--)
- break;
-
- return _p != &nfs_client_list ? _p : NULL;
+ return seq_list_start_head(&nfs_client_list, *_pos);
}

/*
@@ -1256,14 +1242,7 @@ static void *nfs_server_list_start(struc
*/
static void *nfs_server_list_next(struct seq_file *p, void *v, loff_t *pos)
{
- struct list_head *_p;
```

```

- (*pos)++;
-
- _p = v;
- _p = (v == SEQ_START_TOKEN) ? nfs_client_list.next : _p->next;
-
- return _p != &nfs_client_list ? _p : NULL;
+ return seq_list_next(v, &nfs_client_list, pos);
}

/*
@@ -1282,7 +1261,7 @@ static int nfs_server_list_show(struct s
 struct nfs_client *clp;

 /* display header on line 1 */
- if (v == SEQ_START_TOKEN) {
+ if (v == &nfs_client_list) {
    seq_puts(m, "NV SERVER  PORT USE HOSTNAME\n");
    return 0;
 }
@@ -1323,23 +1302,9 @@ static int nfs_volume_list_open(struct i
 */
static void *nfs_volume_list_start(struct seq_file *m, loff_t *_pos)
{
- struct list_head *_p;
- loff_t pos = *_pos;
-
/* lock the list against modification */
spin_lock(&nfs_client_lock);

-
- /* allow for the header line */
- if (!pos)
- return SEQ_START_TOKEN;
- pos--;
-
- /* find the n'th element in the list */
- list_for_each(_p, &nfs_volume_list)
- if (!pos--)
- break;
-
- return _p != &nfs_volume_list ? _p : NULL;
+ return seq_list_start_head(&nfs_volume_list, *_pos);
}

/*
@@ -1347,14 +1312,7 @@ static void *nfs_volume_list_start(struc
 */
static void *nfs_volume_list_next(struct seq_file *p, void *v, loff_t *pos)
{

```

```
- struct list_head *_p;
-
- (*pos)++;
-
- _p = v;
- _p = (v == SEQ_START_TOKEN) ? nfs_volume_list.next : _p->next;
-
- return _p != &nfs_volume_list ? _p : NULL;
+ return seq_list_next(v, &nfs_volume_list, pos);
}

/*
@@ -1375,7 +1333,7 @@ static int nfs_volume_list_show(struct s
char dev[8], fsid[17];

/* display header on line 1 */
- if (v == SEQ_START_TOKEN) {
+ if (v == &nfs_volume_list) {
    seq_puts(m, "NV SERVER  PORT DEV  FSID\n");
    return 0;
}
```
