
Subject: [PATCH 1/4] nfsd: pass network context to idmap init/exit functions

Posted by Stanislav Kinsbursky on Wed, 11 Apr 2012 13:32:44 GMT

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These functions will be called from per-net operations.

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```
fs/nfsd/idmap.h |  8 ++++++  
fs/nfsd/nfs4idmap.c | 14 ++++++-----  
fs/nfsd/nfsctl.c |   6 +----  
3 files changed, 14 insertions(+), 14 deletions(-)
```

```
diff --git a/fs/nfsd/idmap.h b/fs/nfsd/idmap.h
```

```
index 2f3be13..9d513ef 100644
```

```
--- a/fs/nfsd/idmap.h  
+++ b/fs/nfsd/idmap.h  
@@ -42,14 +42,14 @@  
#define IDMAP_NAMESZ 128
```

```
#ifdef CONFIG_NFSD_V4
```

```
-int nfsd_idmap_init(void);  
-void nfsd_idmap_shutdown(void);  
+int nfsd_idmap_init(struct net *);  
+void nfsd_idmap_shutdown(struct net *);
```

```
#else
```

```
-static inline int nfsd_idmap_init(void)  
+static inline int nfsd_idmap_init(struct net *net)  
{  
    return 0;  
}  
-static inline void nfsd_idmap_shutdown(void)  
+static inline void nfsd_idmap_shutdown(struct net *net)
```

```
{  
}
```

```
#endif
```

```
diff --git a/fs/nfsd/nfs4idmap.c b/fs/nfsd/nfs4idmap.c
```

```
index 2ff4470..d37405f 100644
```

```
--- a/fs/nfsd/nfs4idmap.c  
+++ b/fs/nfsd/nfs4idmap.c  
@@ -469,24 +469,24 @@ nametoid_update(struct cache_detail *cd, struct ent *new, struct ent  
*old)  
 */
```

```
int
```

```
-nfsd_idmap_init(void)  
+nfsd_idmap_init(struct net *net)
```

```

{
int rv;

- rv = cache_register_net(&idtoname_cache, &init_net);
+ rv = cache_register_net(&idtoname_cache, net);
if (rv)
    return rv;
- rv = cache_register_net(&nametoid_cache, &init_net);
+ rv = cache_register_net(&nametoid_cache, net);
if (rv)
- cache_unregister_net(&idtoname_cache, &init_net);
+ cache_unregister_net(&idtoname_cache, net);
return rv;
}

void
-nfsd_idmap_shutdown(void)
+nfsd_idmap_shutdown(struct net *net)
{
- cache_unregister_net(&idtoname_cache, &init_net);
- cache_unregister_net(&nametoid_cache, &init_net);
+ cache_unregister_net(&idtoname_cache, net);
+ cache_unregister_net(&nametoid_cache, net);
}

static int
diff --git a/fs/nfsd/nfsctl.c b/fs/nfsd/nfsctl.c
index 08cd87a..d6e8b85 100644
--- a/fs/nfsd/nfsctl.c
+++ b/fs/nfsd/nfsctl.c
@@ -1186,7 +1186,7 @@ static int __init init_nfsd(void)
if (retval)
    goto out_free_stat;
nfsd_lockd_init(); /* lockd->nfsd callbacks */
- retval = nfsd_idmap_init();
+ retval = nfsd_idmap_init(&init_net);
if (retval)
    goto out_free_lockd;
retval = create_proc_exports_entry();
@@ -1200,7 +1200,7 @@ out_free_all:
remove_proc_entry("fs/nfs/exports", NULL);
remove_proc_entry("fs/nfs", NULL);
out_free_idmap:
- nfsd_idmap_shutdown();
+ nfsd_idmap_shutdown(&init_net);
out_free_lockd:
nfsd_lockd_shutdown();
nfsd_reply_cache_shutdown();

```

```
@@ -1223,7 +1223,7 @@ static void __exit exit_nfsd(void)
 remove_proc_entry("fs/nfs", NULL);
 nfsd_stat_shutdown();
 nfsd_lockd_shutdown();
- nfsd_idmap_shutdown();
+ nfsd_idmap_shutdown(&init_net);
 nfsd4_free_slabs();
 nfsd_fault_inject_cleanup();
 unregister_filesystem(&nfsd_fs_type);
```
