
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);
```
