
Subject: [PATCH RFC 08/13] LockD: make lockd manager allocated per network namespace

Posted by [Stanislav Kinsbursky](#) on Sat, 05 May 2012 17:22:29 GMT

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```
fs/lockd/netns.h | 2 ++
fs/lockd/svc.c   | 18 ++++++++-----
2 files changed, 12 insertions(+), 8 deletions(-)
```

```
diff --git a/fs/lockd/netns.h b/fs/lockd/netns.h
```

```
index 94653ae..e78650c 100644
```

```
--- a/fs/lockd/netns.h
```

```
+++ b/fs/lockd/netns.h
```

```
@@ -1,6 +1,7 @@
```

```
#ifndef __LOCKD_NETNS_H__
#define __LOCKD_NETNS_H__
```

```
+#include <linux/fs.h>
```

```
#include <net/netns/generic.h>
```

```
struct lockd_net {
```

```
@@ -9,6 +10,7 @@ struct lockd_net {
```

```
    unsigned long nrhosts;
```

```
    struct delayed_work grace_period_end;
```

```
+ struct lock_manager lockd_manager;
```

```
};
```

```
extern int lockd_net_id;
```

```
diff --git a/fs/lockd/svc.c b/fs/lockd/svc.c
```

```
index 70c4177..a9c436b 100644
```

```
--- a/fs/lockd/svc.c
```

```
+++ b/fs/lockd/svc.c
```

```
@@ -87,12 +87,14 @@ static unsigned long get_lockd_grace_period(void)
```

```
    return nlm_timeout * 5 * HZ;
```

```
}
```

```
-static struct lock_manager lockd_manager = {
```

```
-};
```

```
-
```

```
-static void grace_ender(struct work_struct *not_used)
```

```
+static void grace_ender(struct work_struct *grace)
```

```
{
```

```
- locks_end_grace(&lockd_manager);
```

```
+ struct delayed_work *dwork = container_of(grace, struct delayed_work,
```

```
+    work);
```

```

+ struct lockd_net *ln = container_of(dwork, struct lockd_net,
+   grace_period_end);
+
+ locks_end_grace(&ln->lockd_manager);
}

static void set_grace_period(void)
@@ -100,7 +102,7 @@ static void set_grace_period(void)
   unsigned long grace_period = get_lockd_grace_period();
   struct lockd_net *ln = net_generic(&init_net, lockd_net_id);

- locks_start_grace(&lockd_manager);
+ locks_start_grace(&ln->lockd_manager);
   cancel_delayed_work_sync(&ln->grace_period_end);
   schedule_delayed_work(&ln->grace_period_end, grace_period);
}
@@ -111,7 +113,7 @@ static void restart_grace(void)
   struct lockd_net *ln = net_generic(&init_net, lockd_net_id);

   cancel_delayed_work_sync(&ln->grace_period_end);
- locks_end_grace(&lockd_manager);
+ locks_end_grace(&ln->lockd_manager);
   nlmsvc_invalidate_all();
   set_grace_period();
}
@@ -187,7 +189,7 @@ lockd(void *vrqstp)
}
flush_signals(current);
cancel_delayed_work_sync(&ln->grace_period_end);
- locks_end_grace(&lockd_manager);
+ locks_end_grace(&ln->lockd_manager);
if (nlmsvc_ops)
  nlmsvc_invalidate_all();
nlm_shutdown_hosts();

```
