
Subject: [PATCH v2 07/15] LockD: manage grace period per network namespace

Posted by [Stanislav Kinsbursky](#) on Wed, 25 Jul 2012 12:56:43 GMT

[View Forum Message](#) <> [Reply to Message](#)

Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>

fs/lockd/netns.h | 2 ++

fs/lockd/svc.c | 17 ++++++++-----

2 files changed, 13 insertions(+), 6 deletions(-)

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

index 44c8f0b..94653ae 100644

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

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

@@ -7,6 +7,8 @@ struct lockd_net {

unsigned int nlmsvc_users;

unsigned long next_gc;

unsigned long nrhosts;

+

+ struct delayed_work grace_period_end;

};

extern int lockd_net_id;

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

index 80938fd..70c4177 100644

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

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

@@ -95,21 +95,22 @@ static void grace_ender(struct work_struct *not_used)

locks_end_grace(&lockd_manager);

}

-static DECLARE_DELAYED_WORK(grace_period_end, grace_ender);

-

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);

- cancel_delayed_work_sync(&grace_period_end);

- schedule_delayed_work(&grace_period_end, grace_period);

+ cancel_delayed_work_sync(&ln->grace_period_end);

+ schedule_delayed_work(&ln->grace_period_end, grace_period);

}

static void restart_grace(void)

{

if (nlmsvc_ops) {

```

- cancel_delayed_work_sync(&grace_period_end);
+ struct lockd_net *ln = net_generic(&init_net, lockd_net_id);
+
+ cancel_delayed_work_sync(&ln->grace_period_end);
  locks_end_grace(&lockd_manager);
  nlmsvc_invalidate_all();
  set_grace_period();
@@ -124,6 +125,7 @@ lockd(void *vrqstp)
{
  int err = 0, preverr = 0;
  struct svc_rqst *rqstp = vrqstp;
+ struct lockd_net *ln = net_generic(&init_net, lockd_net_id);

  /* try_to_freeze() is called from svc_rcv() */
  set_freezable();
@@ -184,7 +186,7 @@ lockd(void *vrqstp)
  svc_process(rqstp);
}
flush_signals(current);
- cancel_delayed_work_sync(&grace_period_end);
+ cancel_delayed_work_sync(&ln->grace_period_end);
  locks_end_grace(&lockd_manager);
  if (nlmsvc_ops)
    nlmsvc_invalidate_all();
@@ -589,6 +591,9 @@ module_param(nlm_max_connections, uint, 0644);

static int lockd_init_net(struct net *net)
{
+ struct lockd_net *ln = net_generic(net, lockd_net_id);
+
+ INIT_DELAYED_WORK(&ln->grace_period_end, grace_ender);
  return 0;
}

```
