
Subject: Re: [PATCH RFC 00/13] Lockd: grace period containerization
Posted by [bfields](#) on Wed, 16 May 2012 20:06:30 GMT

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On Sat, May 05, 2012 at 09:21:30PM +0400, Stanislav Kinsbursky wrote:

> This patch set is marked with RFC, because I'm still not quite sure, that this
> implementation will satisfy other interested people.
> So, would be appreciated for any comments.
>
> This patch set makes grace period and hosts reclaiming network namespace
> aware.
>
> Main ideas:
> 1) moving of
>
> unsigned long next_gc;
> unsigned long nrhosts;
>
> struct delayed_work grace_period_end;
> struct lock_manager lockd_manager;
> struct list_head grace_list;
>
> to per-net Lockd data.
>
> 2) moving of
>
> struct lock_manager nfsd4_manager;
>
> to per-net NFSd data.
>
> 3) shutdown + gc of NLM hosts done now network namespace aware.

That all sounds reasonable to me.

> 4) restart_grace() now works only for init_net.

Eventually we might just remove that. I doubt it's used anywhere.

--b.

>
> The following series implements...
>
> ---
>
> Stanislav Kinsbursky (13):
> LockD: mark host per network namespace on garbage collect
> LockD: make garbage collector network namespace aware.

```

> LockD: manage garbage collection timeout per networks namespace
> LockD: manage used host count per networks namespace
> Lockd: host complaining function introduced
> Lockd: add more debug to host shutdown functions
> LockD: manage grace period per network namespace
> LockD: make lockd manager allocated per network namespace
> NFSd: make nfsd4_manager allocated per network namespace context.
> SUNRPC: service request network namespace helper introduced
> LockD: manage grace list per network namespace
> LockD: pass actual network namespace to grace period management functions
> Lockd: move grace period management from lockd() to per-net functions
>
>
> fs/lockd/grace.c      | 16 +++++--
> fs/lockd/host.c      | 92 ++++++-----
> fs/lockd/netns.h     | 7 +++
> fs/lockd/svc.c       | 43 ++++++-----
> fs/lockd/svc4proc.c  | 13 +++--
> fs/lockd/svclock.c   | 16 ++++--
> fs/lockd/svcproc.c   | 15 ++++--
> fs/lockd/svcsubs.c   | 19 +++++--
> fs/nfs/callback_xdr.c | 4 +-
> fs/nfsd/export.c     | 4 +-
> fs/nfsd/netns.h      | 2 +
> fs/nfsd/nfs4idmap.c  | 4 +-
> fs/nfsd/nfs4proc.c   | 18 +++++--
> fs/nfsd/nfs4state.c  | 60 ++++++-----
> fs/nfsd/state.h      | 3 +
> include/linux/fs.h   | 5 +-
> include/linux/lockd/lockd.h | 6 +--
> include/linux/sunrpc/svc.h | 2 +
> 18 files changed, 204 insertions(+), 125 deletions(-)
>

```
