Subject: [PATCH v2 00/15] Lockd: grace period containerization
Posted by Stanislav Kinsbursky on Wed, 25 Jul 2012 12:55:45 GMT
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Bruce, I feel this patch set is ready for inclusion.

v2:
1) Rebase on Bruce's "for-3.6" branch.

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.

4) restart_grace() now works only for init_net.

The following series implements...

Stanislav Kinsbursky (15):
    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
NFSd: make grace end flag per network namespace
NFSd: make boot_time variable per network namespace

```
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           |    4 ++
fs/nfsd/nfs4idmap.c       |    4 +-
fs/nfsd/nfs4proc.c        |   18 ++++---
fs/nfsd/nfs4state.c       |  104 ++++++++++++++++++++++++++++++++-------------
fs/nfsd/state.h           |    4 +-
include/linux/fs.h        |    5 +-
include/linux/lockd/lockd.h |    6 +-
include/linux/sunrpc/svc.h  |    2 +
18 files changed, 231 insertions(+), 145 deletions(-)
```