Subject: Re: [PATCH v2 00/15] Lockd: grace period containerization
Posted by Stanislav Kinsbursky on Mon, 30 Jul 2012 10:03:57 GMT
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> On Wed, Jul 25, 2012 at 04:55:45PM +0400, Stanislav Kinsbursky wrote:
>> 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.
>
> On a quick skim--yes, that looks reasonable to me.
>
> It doesn't help with active/active cluster exports, because in that case
> we need some additional coordination between nfsd's.
>
> But it looks good enough to handle the case where each filesystem is
> exported from at most one server at a time, which is more than we
> currently handle.
>
> It's a little late for 3.6. Also I get the impression Al Viro has some
> lockd rework in progress, which we may want to wait for.
>
> So I'll likely look again into queueing this up for 3.7 once 3.6-rc1 is
> out.

Ok.
Will Al Viro's lockd rework be a part of 3.6 kernel?

>
> --b.
>
>>
>> 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(-)
>>

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Best regards,
Stanislav Kinsbursky