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Subject: [PATCH v2 0/3] lockd: use per-net refrence-counted NSM clients

Posted by [Stanislav Kinsbursky](#) on Tue, 18 Sep 2012 09:37:06 GMT

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v2:

1) NSM transport is TCP based now. And all RPC tasks now called with `RPC_TASK_SOFTCONN`. The advantage of this is that the kernel could discover when `statd` is not running and fail the upcall immediately, rather than waiting possibly many seconds for each upcall RPC to time out.

2) XDR layer violation (reference to upper RPC client `cl_hostname`) was replaced by passing the string as a part of `nlm_args` structure.

This is a bug fix for [https://bugzilla.redhat.com/show\\_bug.cgi?id=830862](https://bugzilla.redhat.com/show_bug.cgi?id=830862).

The problem is that with NFSv4 mount in container (with separated mount namespace) and active lock on it, dying child reaped of this container will try to umount NFS and doing this will try to create RPC client to send unmonitor request to `statd`.

But creation of RCP client requires valid `current->nsproxy` (for operation with `utsname()`) and during umount on child reaper exit it's equal to zero.

Proposed solution is to introduce refrence-counter per-net NSM client, which is created on fist monitor call and destroyed after the lst monitor call.

The following series implements...

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Stanislav Kinsbursky (3):

- lockd: per-net NSM client creation and destruction helpers introduced

- lockd: use rpc client's `cl_nodename` for id encoding

- lockd: create and use per-net NSM RPC clients on MON/UNMON requests

```
fs/lockd/mon.c | 86 ++++++-----
fs/lockd/netns.h | 4 +++
fs/lockd/svc.c | 1 +
3 files changed, 74 insertions(+), 17 deletions(-)
```

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