
Subject: [PATCH v7 5/7] SUNRPC: cleanup service destruction
Posted by [Stanislav Kinsbursky](#) on Fri, 28 Oct 2011 10:53:31 GMT
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svc_unregister() call have to be removed from svc_destroy() since it will be called in sv_shutdown callback.

This also means, that we have to call svc_rpcb_cleanup() explicitly from nfsd_last_thread() since this function is registered as service shutdown callback and thus nobody else will done it for us.

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

```
fs/nfsd/nfssvc.c      | 2 ++
include/linux/sunrpc/svc.h | 1 +
net/sunrpc/svc.c      | 4 ++--
3 files changed, 5 insertions(+), 2 deletions(-)
```

diff --git a/fs/nfsd/nfssvc.c b/fs/nfsd/nfssvc.c

index dc5a1bf..52cd976 100644

--- a/fs/nfsd/nfssvc.c

+++ b/fs/nfsd/nfssvc.c

@@ -256,6 +256,8 @@ static void nfsd_last_thread(struct svc_serv *serv)

nfsd_serv = NULL;

nfsd_shutdown();

+ svc_rpcb_cleanup(serv);

+

printk(KERN_WARNING "nfsd: last server has exited, flushing export "
"cache\n");

nfsd_export_flush();

diff --git a/include/linux/sunrpc/svc.h b/include/linux/sunrpc/svc.h

index 223588a..5e71a30 100644

--- a/include/linux/sunrpc/svc.h

+++ b/include/linux/sunrpc/svc.h

@@ -401,6 +401,7 @@ struct svc_procedure {

/*

* Function prototypes.

*/

+void svc_rpcb_cleanup(struct svc_serv *serv);

struct svc_serv *svc_create(struct svc_program *, unsigned int,
void (*shutdown)(struct svc_serv *));

struct svc_rqst *svc_prepare_thread(struct svc_serv *serv,

diff --git a/net/sunrpc/svc.c b/net/sunrpc/svc.c

index 87a67b2..96df2ba 100644

--- a/net/sunrpc/svc.c

+++ b/net/sunrpc/svc.c

@@ -367,11 +367,12 @@ static int svc_rpcb_setup(struct svc_serv *serv)

```

    return 0;
}

-static void svc_rpcb_cleanup(struct svc_serv *serv)
+void svc_rpcb_cleanup(struct svc_serv *serv)
{
    svc_unregister(serv);
    rpcb_put_local();
}
+EXPORT_SYMBOL_GPL(svc_rpcb_cleanup);

static int svc_uses_rpcbbind(struct svc_serv *serv)
{
@@ -531,7 +532,6 @@ svc_destroy(struct svc_serv *serv)
    if (svc_serv_is_pooled(serv))
        svc_pool_map_put();

- svc_unregister(serv);
- kfree(serv->sv_pools);
- kfree(serv);
}

```
