
Subject: [PATCH 03/11] SUNRPC: sysctl root for debug table introduced

Posted by [Stanislav Kinsbursky](#) on Wed, 14 Dec 2011 10:47:37 GMT

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Sysctl root is required for handling sysctl dentries per network namespace context. IOW, it's "lookup" method will be used to find per-net sysctl's set in further patches.

Also this patch modifies sysctl registering helpers to make them use new sysctl root.

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

net/sunrpc/sysctl.c | 16 ++++++++
1 files changed, 13 insertions(+), 3 deletions(-)

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

index 64c0034..f6e7da2 100644

--- a/net/sunrpc/sysctl.c

+++ b/net/sunrpc/sysctl.c

@@ -39,6 +39,9 @@ EXPORT_SYMBOL_GPL(nlm_debug);

#ifdef RPC_DEBUG

+#include <linux/nsproxy.h>

+#include <net/net_namespace.h>

+

static struct ctl_table_header *sunrpc_table_header;
static ctl_table debug_table[];

@@ -47,18 +50,24 @@ struct ctl_path sunrpc_path[] = {
 {},
};

+static struct ctl_table_root sunrpc_debug_root = {
+};

+

struct ctl_table_header *register_sunrpc_sysctl(struct ctl_table *table)

{

- return register_sysctl_paths(sunrpc_path, table);

-

+ return __register_sysctl_paths(&sunrpc_debug_root, current->nsproxy,

+ sunrpc_path, table);

}

EXPORT_SYMBOL_GPL(register_sunrpc_sysctl);

void

rpc_register_sysctl(void)

```

{
- if (!sunrpc_table_header)
+ if (!sunrpc_table_header) {
+ setup_sysctl_set(&sunrpc_debug_root.default_set, NULL, NULL);
+ register_sysctl_root(&sunrpc_debug_root);
  sunrpc_table_header = register_sunrpc_sysctl(debug_table);
+ }
}

void
@@ -66,6 +75,7 @@ rpc_unregister_sysctl(void)
{
  if (sunrpc_table_header) {
    unregister_sysctl_table(sunrpc_table_header);
+ unregister_sysctl_root(&sunrpc_debug_root);
    sunrpc_table_header = NULL;
  }
}

```
