
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.

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```
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;
  }
}
```
