
Subject: [PATCH 02/11] SUNRPC: use sysctl path instead of dummy parent table
Posted by [Stanislav Kinsbursky](#) on Wed, 14 Dec 2011 10:47:35 GMT
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This is a cleanup patch. Parent sunrpc table is redundant. Sysctl path can be used instead.

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

```
---
include/linux/sunrpc/debug.h | 4 ++++
net/sunrpc/sysctl.c          | 25 ++++++++-----
net/sunrpc/xprtrdma/transport.c | 11 +-----
net/sunrpc/xprtsock.c        | 11 +-----
4 files changed, 20 insertions(+), 31 deletions(-)

diff --git a/include/linux/sunrpc/debug.h b/include/linux/sunrpc/debug.h
index c2786f2..b5e0c46 100644
--- a/include/linux/sunrpc/debug.h
+++ b/include/linux/sunrpc/debug.h
@@ -63,8 +63,12 @@ extern unsigned int nlm_debug;
 * Sysctl interface for RPC debugging
 */
#ifdef RPC_DEBUG
+
void rpc_register_sysctl(void);
void rpc_unregister_sysctl(void);
+
+struct ctl_table_header *register_sunrpc_sysctl(struct ctl_table *);
+
#endif

#endif /* __KERNEL__ */
diff --git a/net/sunrpc/sysctl.c b/net/sunrpc/sysctl.c
index af7d339..64c0034 100644
--- a/net/sunrpc/sysctl.c
+++ b/net/sunrpc/sysctl.c
@@ -40,13 +40,25 @@ EXPORT_SYMBOL_GPL(nlm_debug);
#ifdef RPC_DEBUG

static struct ctl_table_header *sunrpc_table_header;
-static ctl_table sunrpc_table[];
+static ctl_table debug_table[];
+
+struct ctl_path sunrpc_path[] = {
+ { .procname = "sunrpc", },
+ { },
+};
```

```

+
+struct ctl_table_header *register_sunrpc_sysctl(struct ctl_table *table)
+{
+ return register_sysctl_paths(sunrpc_path, table);
+
+}
+EXPORT_SYMBOL_GPL(register_sunrpc_sysctl);

void
rpc_register_sysctl(void)
{
    if (!sunrpc_table_header)
- sunrpc_table_header = register_sysctl_table(sunrpc_table);
+ sunrpc_table_header = register_sunrpc_sysctl(debug_table);
}

void
@@ -173,13 +185,4 @@ static ctl_table debug_table[] = {
    {}
};

-static ctl_table sunrpc_table[] = {
- {
- .procname = "sunrpc",
- .mode = 0555,
- .child = debug_table
- },
- {}
-};
-
-#endif
diff --git a/net/sunrpc/xprtrdma/transport.c b/net/sunrpc/xprtrdma/transport.c
index b446e10..53a8622 100644
--- a/net/sunrpc/xprtrdma/transport.c
+++ b/net/sunrpc/xprtrdma/transport.c
@@ -137,15 +137,6 @@ static ctl_table xr_tunables_table[] = {
    {},
};

-static ctl_table sunrpc_table[] = {
- {
- .procname = "sunrpc",
- .mode = 0555,
- .child = xr_tunables_table
- },
- {}
-};
-

```

```
#endif
```

```
static struct rpc_xprt_ops xprt_rdma_procs; /* forward reference */  
@@ -771,7 +762,7 @@ static int __init xprt_rdma_init(void)
```

```
#ifdef RPC_DEBUG  
if (!sunrpc_table_header)  
- sunrpc_table_header = register_sysctl_table(sunrpc_table);  
+ sunrpc_table_header = register_sunrpc_sysctl(xr_tunables_table);  
#endif  
return 0;  
}
```

```
diff --git a/net/sunrpc/xprtsock.c b/net/sunrpc/xprtsock.c
```

```
index 55472c4..6f1be96 100644
```

```
--- a/net/sunrpc/xprtsock.c
```

```
+++ b/net/sunrpc/xprtsock.c
```

```
@@ -142,15 +142,6 @@ static ctl_table xs_tunables_table[] = {  
    {},  
};
```

```
-static ctl_table sunrpc_table[] = {  
- {  
- .procname = "sunrpc",  
- .mode = 0555,  
- .child = xs_tunables_table  
- },  
- { },  
-};  
-
```

```
#endif
```

```
/*
```

```
@@ -2887,7 +2878,7 @@ int init_socket_xprt(void)
```

```
{  
#ifdef RPC_DEBUG  
if (!sunrpc_table_header)  
- sunrpc_table_header = register_sysctl_table(sunrpc_table);  
+ sunrpc_table_header = register_sunrpc_sysctl(xs_tunables_table);  
#endif
```

```
    xprt_register_transport(&xs_local_transport);
```
