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Subject: [PATCH] SUNRPC: register PipeFS file system after pernet subsystem  
Posted by [Stanislav Kinsbursky](#) on Thu, 05 Apr 2012 17:04:37 GMT

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PipeFS superblock creation routine relays on SUNRPC pernet data presence, which is created on register\_pernet\_subsys() call in SUNRPC module init function. Registering of PipeFS filesystem prior to registering of per-net subsystem leads to races (mount of PipeFS can dereference uninitialized data).

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

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```
net/sunrpc/sunrpc_syms.c | 17 ++++++++-----  
1 files changed, 9 insertions(+), 8 deletions(-)
```

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

```
index 8adfc88..3d6498a 100644
```

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

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

```
@@ -75,20 +75,21 @@ static struct pernet_operations sunrpc_net_ops = {
```

```
static int __init
```

```
init_sunrpc(void)
```

```
{
```

```
- int err = register_rpc_pipefs();
```

```
+ int err = rpc_init_mempool();
```

```
if (err)
```

```
goto out;
```

```
- err = rpc_init_mempool();
```

```
- if (err)
```

```
- goto out2;
```

```
err = rpcauth_init_module();
```

```
if (err)
```

```
- goto out3;
```

```
+ goto out2;
```

```
cache_initialize();
```

```
err = register_pernet_subsys(&sunrpc_net_ops);
```

```
if (err)
```

```
+ goto out3;
```

```
+
```

```
+ err = register_rpc_pipefs();
```

```
+ if (err)
```

```
goto out4;
```

```
#ifdef RPC_DEBUG
```

```
rpc_register_sysctl();
```

```
@@ -98,11 +99,11 @@ init_sunrpc(void)
```

```
return 0;
```

```
out4:  
- rpcauth_remove_module();  
+ unregister_pernet_subsys(&sunrpc_net_ops);  
out3:  
- rpc_destroy_mempool();  
+ rpcauth_remove_module();  
out2:  
- unregister_rpc_pipefs();  
+ rpc_destroy_mempool();  
out:  
  return err;  
}
```

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