
Subject: Re: [PATCH] Teach cifs about network namespaces (take 3)
Posted by [Rob Landley](#) on Thu, 13 Jan 2011 18:55:04 GMT
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From: Rob Landley <rlandley@parallels.com>

Teach cifs about network namespaces, so mounting uses addresses/routing visible from the container rather than from init context.

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Now using net_eq(), with the initialization moved up so the error path doesn't dereference a null on the put.

```
fs/cifs/cifsglob.h | 33 ++++++
fs/cifs/connect.c | 12 ++++++
2 files changed, 43 insertions(+), 2 deletions(-)
```

```
diff --git a/fs/cifs/cifsglob.h b/fs/cifs/cifsglob.h
index 606ca8b..54cd4ab 100644
```

```
--- a/fs/cifs/cifsglob.h
```

```
+++ b/fs/cifs/cifsglob.h
```

```
@@ -165,6 +165,9 @@ struct TCP_Server_Info {
```

```
    struct socket *socket;
```

```
    struct sockaddr_storage dstaddr;
```

```
    struct sockaddr_storage srcaddr; /* locally bind to this IP */
```

```
+#ifdef CONFIG_NET_NS
```

```
+ struct net *net;
```

```
+#endif
```

```
    wait_queue_head_t response_q;
```

```
    wait_queue_head_t request_q; /* if more than maxmpx to srvr must block*/
```

```
    struct list_head pending_mid_q;
```

```
@@ -224,6 +227,36 @@ struct TCP_Server_Info {
```

```
};
```

```
/*
```

```
+ * Macros to allow the TCP_Server_Info->net field and related code to drop out
```

```
+ * when CONFIG_NET_NS isn't set.
```

```
+ */
```

```
+
```

```
+#ifdef CONFIG_NET_NS
```

```
+
```

```
+static inline struct net *cifs_net_ns(struct TCP_Server_Info *srv)
```

```
+{
```

```
+ return srv->net;
```

```
+}
```

```
+
```



```

+ cifs_set_net_ns(tcp_ses, get_net(current->nsproxy->net_ns));
  tcp_ses->hostname = extract_hostname(volume_info->UNC);
  if (IS_ERR(tcp_ses->hostname)) {
    rc = PTR_ERR(tcp_ses->hostname);
@@ -1754,6 +1760,8 @@ cifs_get_tcp_session(struct smb_vol *volume_info)
out_err_release:
  cifs_crypto_shash_release(tcp_ses);

+ put_net(cifs_net_ns(tcp_ses));
+
out_err:
  if (tcp_ses) {
    if (!IS_ERR(tcp_ses->hostname))
@@ -2265,8 +2273,8 @@ generic_ip_connect(struct TCP_Server_Info *server)
  }

  if (socket == NULL) {
- rc = sock_create_kern(sfamily, SOCK_STREAM,
-   IPPROTO_TCP, &socket);
+ rc = __sock_create(cifs_net_ns(server), sfamily, SOCK_STREAM,
+   IPPROTO_TCP, &socket, 1);
  if (rc < 0) {
    cERROR(1, "Error %d creating socket", rc);
    server->ssocket = NULL;

```

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>
