

Re: SuSE 9.2 Login terminates immediately

Source: <http://linux.derkeiler.com/Newsgroups/alt.os.linux.suse/2005-02/2408.html>

From: Bernd Rieke (*bernd_at_rhm.de*)

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Daniel Delin schrieb:

> *Hi!*

>

> *No solution, but I am seeing the same problem here.*

> *I am using Gridengine to submit jobs in a cluster, it sometimes fails*

> *because it can't make a rsh connection. Also a "manual" rsh or rlogin*

> *connection like you describe show the same symptoms.*

> *No problem with Suse 9.0, 9.1 and SLES 9.*

>

> *Any tips would be useful.*

>

> *regards*

> *Daniel*

>

Hi Daniel,

meanwhile I debugged the program login. As a result of this I posted a thread to the linux=kernel mailing list (see below) Had no answer til now. I found two other postings from poeple having same problems. There seems to be a bigger problem behind this behaviour. The device file, in our case a /dev/pts/nn disappers after a cleanup call to the kernel function vhangup(), so login fails in reopening it.

We have a similar problem when we are hot replacing a SCSI disk. Then at one point of the replacement procedur the device file, lets assume /dev/sda disappers and never comes back. It's something in kernel 2.6.x related to the devicefile handling. I'm not clear at this point, I have to learn more about this handling.

Better to use ssh but some old UNIXes don't have it. And telnet, in general let's say remote login, should work!

Bernd

----- to linux-kernel@vger.kernel.org -----

Hi all, hope I'm not of topic here but had no response elsewhere...

we observe a problem with login starting with kernel 2.6. Actually the problem still exists in 2.6.11-rc3-bk3-20050206171922-bigsm

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which we loaded from SuSE. We never saw this problem before and we used nearly every release in the past. The problem:

When we try to login to a remote machine with telnet or rsh we sometimes fall back immediately with the message 'connection closed'. When we try again the login mostly succeeds. The ratio of bad/good attempts over all is 1/10. It doesn't depend on the state of the machines e.g. type of hardware or load. It happens on laptops as well as smp-machines. In messages we see:

```
"login[xxx]: FATAL: can't reopen tty: No such file or directory"
```

We debugged login and tracked the problem down to the fopen of /dev/pts/nn in function opentty() just after a call to the kernel function vhangup().

The questions:

- why does /dev/pts/nn disappear (and never comes back)?
- is this a kernel bug? is there something wrong in vhangup()?
- is anybody else aware of this problem?
(there's only one additional posting from Yehavi Bourvine)
- is there a solution (pending)?

Thanks in advance for any hint, we are pretty losts...

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>  
> Bernd Rieke <bernd@rhm.de> wrote in message news:<cuqmbi$jci$1@euler.space.net>...  
>  
>>Hi all,  
>>  
>>when we have to work on a remote machine we make the connection  
>>for some historical reasons with rsh or telnet (we are coming  
>>from old HPUX machines). Starting with SuSE 9.2 we sometimes have  
>>a strange behaviour. The login takes place but immediately falls  
>>back displaying the message 'connection closed'. Then when we  
>>try again the login succeeds in most cases. The ration is 1 to 10,  
>>one failure on ten successes. We trapped the problem down and saw  
>>that the startup scripts (/etc/profile) are not called, the problem  
>>comes out of program login or before. It doesn't depend on the load  
>>of the remote machine. It takes place independently of the state of  
>>the remote machine.  
>>  
>>It's quiet dangerous because people think they are remote but  
>>still stay on the outgoing machine. Anybody observed this  
>>problem, too?  
>>  
>>Here is what it looks:  
>>  
>> # rsh node456  
>> Connection Closed
```

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```
>> # rsh node456  
>> Last login: Sat Feb.....  
>> Have a lot of fun  
>> fritz@node456:~>  
>>  
>> Thanks in advance for any hint.  
>> B. Rieke
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