

---

Subject: strange problem: moving file failes

Posted by [schnippo](#) on Wed, 04 Jul 2007 08:37:01 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi there

I have a gentoo openvz host and a virtual one. It was all working fine, until some strange problems appeared:

Sometimes, tomcat doesn't start properly. It failes with an IOException:

java.io.IOException: Cannot rename new file to /var/lib/tomcat-5.5/conf/tomcat-users.xml

When a manually delete tomcat-users.xml it starts up properly. But then the next problem occurs:

09:55:25,145 ERROR [jsp]:250 - Servlet.service() for servlet jsp threw exception

java.io.IOException: tmpFile.renameTo(classFile) failed at

org.apache.jasper.compiler.SmapUtil\$SDEInstaller.install(SmapUtil.java:246) at [...]

Another file renaming problem..

If i delete the work directory, where this problem occurs, it works for some time, but after a non reproducible time it happens again.

And i even can't use emerge anymore. It failes with:

cache.cache\_errors.CacheCorruption: net-misc/openntpd-3.7\_p1 is corrupt: [Errno 18] Invalid cross-device link

This error comes from the os.rename() function call.

So it seems that i have a problem with moving files... moving in shell works...

There is no failcnt in user\_beancounters:

cat /proc/user\_beancounters

Version: 2.5

| uid  | resource     | held   | maxheld | barrier    | limit      | failcnt |
|------|--------------|--------|---------|------------|------------|---------|
| 201: | kmemsize     | 614365 | 4918294 | 27262976   | 29360128   | 0       |
|      | lockedpages  | 0      | 0       | 65535      | 65535      | 0       |
|      | privvmpages  | 2751   | 129338  | 2147483647 | 2147483647 | 0       |
|      | shmpages     | 0      | 178     | 2147483647 | 2147483647 | 0       |
|      | dummy        | 0      | 0       | 0          | 0          | 0       |
|      | numproc      | 10     | 150     | 300        | 300        | 0       |
|      | physpages    | 2039   | 54273   | 0          | 2147483647 | 0       |
|      | vmguarpages  | 0      | 0       | 6144       | 2147483647 | 0       |
|      | oomguarpages | 2039   | 54273   | 6144       | 2147483647 | 0       |
|      | numtcpsock   | 1      | 51      | 180        | 180        | 0       |
|      | numflock     | 1      | 5       | 100        | 110        | 0       |
|      | numpty       | 1      | 1       | 16         | 16         | 0       |

|              |       |        |         |          |   |
|--------------|-------|--------|---------|----------|---|
| numsiginfo   | 0     | 53     | 256     | 256      | 0 |
| tcpsndbuf    | 0     | 248584 | 716800  | 1221600  | 0 |
| tcprcvbuf    | 0     | 97904  | 716800  | 1221600  | 0 |
| othersockbuf | 4432  | 11760  | 500000  | 800000   | 0 |
| dgramrcvbuf  | 0     | 8360   | 132096  | 132096   | 0 |
| numothersock | 3     | 9      | 80      | 80       | 0 |
| dcachesize   | 57680 | 232780 | 1048576 | 25165540 | 0 |
| numfile      | 292   | 2833   | 131072  | 131072   | 0 |
| dummy        | 0     | 0      | 0       | 0        | 0 |
| dummy        | 0     | 0      | 0       | 0        | 0 |
| dummy        | 0     | 0      | 0       | 0        | 0 |
| numiptent    | 4     | 4      | 128     | 128      | 0 |

And quota seems to be enough too..

vzquota stat 201

| resource  | usage   | softlimit | hardlimit | grace |
|-----------|---------|-----------|-----------|-------|
| 1k-blocks | 1317928 | 5242880   | 5767170   |       |
| inodes    | 92676   | 400000    | 440000    |       |

Has anyone any idea or a hint? I'm actually a bit helpless...

---

Subject: Re: strange problem: moving file failes  
 Posted by [rickb](#) on Wed, 04 Jul 2007 12:23:00 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi, try this:

on HN clear dmesg:  
 dmesg -c

in VE:  
 "duplicate problem with file operation"

on HN check dmesg:  
 dmesg

is there anything printed by the kernel? any filesystem or storage layer messages?

Rick

---

Subject: Re: strange problem: moving file failes  
 Posted by [schnippo](#) on Thu, 05 Jul 2007 12:53:12 GMT

I solved it!

The problem started, when i bootet the last time with a new kernel (New hardware). I compiled the new kernel and the modules with gcc 4, while all templates had been created using gcc 3. I switched back to gcc 3, recompiled the kernel and the modules and booted again. That did it!

---