
Subject: strange problem: moving file failes

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

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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
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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!
