Subject: FPU context can't be restored. The processor is incompatible.
Posted by wetpaste on Wed, 05 Dec 2012 01:17:32 GMT
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Hi all,

I've been trying out the live migration abilities of openvz and I ran into an interesting error in which google has not been helpful.

```
[root@HN .ssh]# vzmigrate -r no --online -v 10.1.1.105 1
Starting live migration of CT 1 to 10.1.1.105
OpenVZ is running...
   Loading /etc/vz/vz.conf and /etc/vz/conf/1.conf files
   Check IPs on destination node: 10.1.1.103 10.1.1.15
Preparing remote node
   Copying config file
1.conf                                        100% 1335     1.3KB/s   00:00
No changes in CT configuration, not saving
   Creating remote container root dir
   Creating remote container private dir
Syncing private
Live migrating container...
   Suspending container
Setting up checkpoint...
 suspend...
 get context...
Checkpointing completed successfully
   Dumping container
Setting up checkpoint...
 join context..
 dump...
Checkpointing completed successfully
   Copying dumpfile
dump.1                                        100%  177MB  29.4MB/s   00:06
   Syncing private (2nd pass)
   Undumping container
Restoring container ...
Container is mounted
 undump...
Adding IP address(es): 10.1.1.103 10.1.1.15
Setting CPU units: 1000
Error: undump failed: Bad address
Restoring failed:
Error: FPU context can't be restored. The processor is incompatible.
Container restore failed
Container is unmounted
Error: Failed to undump container
```

Resuming...

Both source and destination machines are already running containers without issue. At least the site is still live, just not migrated.

The source kernel is: 2.6.32-042stab062.2
Dest: 2.6.32-042stab063.2

Any idea what the issue could be? It looks like the CPU checkpointing is not working on one of the machines, maybe some instruction is being used on the newer machine, is being checkpointed, and cannot be interpreted by the old machine? Is that common?

Source: Intel(R) Xeon(R) CPU E5-2430L
Dest: Intel(R) Xeon(R) CPU 3040