
Subject: FPU context can't be restored. The processor is incompatible.

Posted by [wetpaste](#) on Wed, 05 Dec 2012 01:17:32 GMT

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

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