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# ORACLE JAVA

JAVA VM Out of Memory - be careful with UBC  
Proxmox UBC file location is

```
/etc/vz/conf/xxx.conf
```

Notice: Proxmox can rewrite this file when you are changing configuration from web interface!

kmemsize	5125208	5128321	40098656	44108521	0
privvmpages	77431	77666	750000	825000	0
physpages	44243	44371	0	2147483647	0

kmemsize: Kernel memory, used 5125208 bytes. Kernel memory keeps process information and cannot be swapped.

privvmpages: Private virtual memory (mem + swap in fact): ALLOCATED (but probably not used) 77431 pages (each page is 4Kb)

physpages: Physical pages: really USED 44243 pages of memory, out of what was allocated above.

## TAR virtual machine OpenVZ / LXC

```
tar cvpfz /linux.tar.gz * --ignore-failed-read --numeric-owner --exclude='*lost+found*' --
exclude='proc/kmsg' --exclude='storage*' --exclude='var/log*' --exclude='var/spool/mail*' --
exclude='usr/share/man*'
```

## OpenVZ Online Migration

To another storage using 2 pass rsync

```
Jan 07 13:03:01 starting migration of CT 105 to node 'gis-xeon-1' (10.160.150.38)
Jan 07 13:03:01 container is running - using online migration
Jan 07 13:03:10 starting rsync phase 1
Jan 07 13:03:10 # /usr/bin/rsync -aHAX --delete --numeric-ids --sparse
/var/lib/vz/private/105 root@10.160.150.38:/var/lib/vz/private
Jan 07 13:05:27 start live migration - suspending container
Jan 07 13:05:27 dump container state
Jan 07 13:05:29 copy dump file to target node
Jan 07 13:05:32 starting rsync (2nd pass)
Jan 07 13:05:32 # /usr/bin/rsync -aHAX --delete --numeric-ids /var/lib/vz/private/105
root@10.160.150.38:/var/lib/vz/private
Jan 07 13:05:38 initialize container on remote node 'gis-xeon-1'
Jan 07 13:05:40 starting container on remote node 'gis-xeon-1'
Jan 07 13:05:40 restore container state
Jan 07 13:05:52 removing container files on local node
Jan 07 13:05:53 start final cleanup
Jan 07 13:05:58 migration finished successfully (duration 00:03:09)
TASK OK
```

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