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# LXC in Proxmox

/usr/share/perl5/PVE/LXC/Setup

## Restore unmanaged LXC container

working with any linux distro  
cmode shell (no login)

```
pct restore 100 vzdump-openvz-100-xxx.tar.gz -storage=local-lvm -  
ostype=unmanaged -cmode shell
```

## Mount LXC container for maintenance

```
pct mount CTID
```

to mount a container's volumes to /var/lib/lxc/CTID/rootfs/

## Share DELL Compact Flash

/etc/pve/lxc/xxx.conf

```
mp0: /mnt/cflash,mp=/mnt
```

## Transfer files to LXC

“pct pull” and “pct push” to transfer files from and to running containers  
“pct exec” and “pct enter” to run individual commands or to spawn a shell inside a running container

## Service cannot start

Systemd related - remove this line

```
PrivateTmp=true
```

Background services from command line terminated after start (rc.local for example)

```
options disable /dev/console
```

## Low security better IO

```
pct restore CTID backup.tar.gz --rootfs local:0
```

This is identical to “simfs” in OpenVZ but unsecured.

```
/dev/X /c ext4
defaults,noatime,nodiratime,nobh,commit=40,barrier=0,data=writeback 0 2
```

```
/usr/share/perl5/PVE/LXC.pm
```

Turn off ACL  
/var/lib/lxc/100/config

```
lxc.rootfs.options = noatime
```

## Move LXC from loopback to filesystem

```
sudo vzdump 100 -compress lzo -dumpdir /var/lib/vz/dump -mode snapshot -
remove 0
sudo pct restore 100 /var/lib/vz/dump/vzdump-lxc-101-xxx.tar.lzo --rootfs
local:0
```

## LXC Container information

```
lxc-info -n ID
```

```
Name:          105
State:         RUNNING
PID:          2744
IP:           10.160.149.27
CPU use:      291440.41 seconds
Memory use:   5.01 GiB
KMem use:     0 bytes
Link:         veth105i0
TX bytes:     179.15 GiB
RX bytes:     109.61 GiB
Total bytes:  288.76 GiB
```

# inittab

```
pf:12345:powerwait:/sbin/halt
```

## Custom LXC Stop

lxc.signal.stop value in your container's config. For example, SIGKILL

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