

```
** BASICS **
```

```
# List VMs
```

```
qm list
```

```
# Create or restore a virtual machine
```

```
qm create <vmid>
```

```
# Start a VM
```

```
qm start <vmid>
```

```
# Suspend virtual machine
```

```
qm suspend <vmid>
```

```
# Shutdown a VM
```

```
qm shutdown <vmid>
```

```
# Reboot a VM
```

```
qm reboot <vmid>
```

```
# Reset a VM
```

```
qm reset <vmid>
```

```
# Stop a VM
```

```
qm stop <vmid>
```

```
# Destroy the VM and all used/owned volumes
```

```
qm destroy <vmid>
```

```
# Enter Qemu Monitor interface
```

```
qm monitor <vmid>
```

```
# Get the VM's current and pending configuration
```

```
qm pending <vmid>
```

```
# Send key event to virtual machine
```

```
qm sendkey <vmid> <key> [OPTIONS]
```

```
# Show command line which is used to start the VM
```

```
qm showcmd <vmid> [OPTIONS]
```

```
# Unlock the VM
```

```
qm unlock <vmid>
```

```
# Clone a VM
```

```
qm clone <vmid> <newid>
```

```
# Clone a VM in full clone mode and also set the name
```

```
qm clone <newid> --full --name <name>
```

```
# Migrate a VM
```

```
qm migrate <vmid> <target-node>
```

```
# Show VM status
```

```
qm migrate <vmid> <target-node>
```

```
** PV, VG & LV MANAGEMENT **
```

```
# Create a PV
```

```
pvcreate <disk-device-name>
```

```
# Remove a PV
```

```
pvremove <disk-device-name>
```

```
# List all PVs
pvs

# Create a VG
vgcreate <vg-name> <disk-device-name>

# Remove a VG
vgremove <vg-name>

# List all VGs
vgs

# Create a LV
lvcreate -L <lv-size> -n <lv-name> <vg-name>

# Remove a LV
lvremove <vg-name>/<lv-name>

# List all LVs
lvs

** DISK **

# Import disk to VM
qm disk import <vmid> <source> <storage>

# Move volume to different storage or to a different VM
qm disk move <vmid> <disk> [<storage>] [OPTIONS]

# Rescan storages and update disk sizes
qm disk rescan [OPTIONS]

# Extend volume size
qm disk resize <vmid> <disk> <size> [OPTIONS]

# Unlink/delete disk images
qm disk unlink <vmid> --idlist <string> [OPTIONS]

# Rescan volumes
qm rescan

** SNAPSHOT **

# List all snapshots
qm listsnapshot <vmid>

# Snapshot a VM
qm snapshot <vmid> <snapname>

# Delete a snapshot
qm delsnapshot <vmid> <snapname>

# Rollback a snapshot
qm rollback <vmid> <snapname>

# Open a terminal using a serial device
qm terminal <vmid> [OPTIONS]

# Proxy VM VNC traffic to stdin/stdout
qm vncproxy <vmid>
```

\*\* OTHERS \*\*

# Execute Qemu Guest Agent commands  
qm guest cmd <vmid> <command>

# Executes the given command via the guest agent  
qm guest exec <vmid> [<extra-args>] [OPTIONS]

# Gets the status of the given pid started  
qm guest exec-status <vmid> <pid>

# Sets the password for the given user to the given password  
qm guest passwd <vmid> <username> [OPTIONS]

\*\* CLOUDINIT \*\*

# Get automatically generated cloudinit config  
qm cloudinit dump <vmid> <type>

# Get the cloudinit current and pending config  
qm cloudinit pending <vmid>

# Regenerate and change cloudinit config drive  
qm cloudinit update <vmid>

\*\* STORAGE MANAGEMENT \*\*

# Create a new storage  
pvesm add [OPTIONS]

# Allocate disk images  
pvesm alloc [OPTIONS]

# Delete volume  
pvesm free [OPTIONS]

# Delete storage configuration  
pvesm remove

# List storage content  
pvesm list [OPTIONS]

# An alias for pvesm scan lvm  
pvesm lvmscan

# An alias for pvesm scan lvmthin  
pvesm lvmthinscan

# List local LVM volume groups  
pvesm scan lvm

# List local LVM Thin Pools  
pvesm scan lvmthin

# Get status for all datastores  
pvesm status [OPTIONS]