

virt-lib Quick Reference

virt-top

This is not always installed by default. When run, it will bring up a full console window that shows all virtuals running on a system, similar to the top command.

virsh

The main controller for virt-lib. The basic format of the command is

```
virsh command parameters
```

. *man virsh* or simply *virsh -help* are your friends.

Some common commands are:

- **list -all** - list all domains virt-lib knows about and show their state (running, off, whatever)
- **start *name*** - starts the domain named **name** (name from list -all)
- **reboot *name***
- **shutdown *name***
- **dumpxml *name*** dumps the config to STDOUT
- **list -autostart** - list all domains which will autostart
- **autostart *domain*** - set domain to be autostarted in the future
- **autostart -disable *domain*** - unset autostart flag for domain
- **console *domain*** - attaches to the serial console of domain assuming the port has been set up.
- Attach/Detach network interfaces
(<https://computingforgeeks.com/managing-kvm-network-interfaces-in-linux/>)
 - `attach-interface -domain pxe -type bridge -source br1 -model virtio -config -live`
 - `detach-interface -domain pxe -type bridge -mac 52:54:00:47:2f:eb -config`

Remove a network from the entire system

```
virsh net-list --all  
virsh net-destroy br1  
virsh net-undefine br1  
virsh net-list --all
```

convert config file to native

```
virsh -c xen:/// domxml-to-native --format xen-xl \  
/path/to/libvirt/vm.domxml.cfg > vm.xenxl.cfg
```

domxml to native

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