KVM virsh cheat sheet

ooooo *based on v.1.2.17*

∞ Networking

virsh net-list	virsh net-define	virsh net-event	virsh net-dhcp-leases	virsh nwfilter-list	virsh iface-list
virsh net-info	virsh net-create	virsh net-update	virsh net-autostart	virsh net-destroy	virsh iface-edit

∞ Basic Operation

virsh list [--all|--inactive]
inactive show defined but not active domains.

virsh start <domid|name|uuid>

virsh shutdown <domid|name|uuid>

virsh suspend <domid|name|uuid>

virsh resume <domid|name|uuid>

virsh reboot <domid|name|uuid>

virsh destroy <domid|name|uuid>
cold reset the node, does not delete/destroy anything.

virsh console <domid|name|uuid>
serial console, exit with ctrl+5 or ctrl+]

∞ Modification

virsh autostart [--disable] <domid|name|uuid>
autostart on boot

virsh edit <domid|name|uuid>
reboot guest for changes to take effect

virsh console <domid|name|uuid>
serial console, exit with ctrl+5 or ctrl+]

∞ Modification

virsh autostart [--disable] <domid|name|uuid>
autostart on boot

virsh edit <domid|name|uuid>
reboot guest for changes to take effect

virsh console <domid|name|uuid>
serial console, exit with ctrl+5 or ctrl+]

∞ Definition

VM are created by describing the virtual machine in a libvirt XML file, and importing that XML file into virsh.

virsh dumpxml <domid|name|uuid>

virsh define <filename.xml>
http://libvirt.org/format.html

virsh undefine <domid|name|uuid>
delete the VM. First you must terminate (destroy) the domain. This command does not delete volumes, use vol-delete.

∞ Info

virsh vcpuinfo <domid|name|uuid>
info about guest's vcpu

virsh vcpupin <domid|name|uuid>
info about vcpu affinity

virsh dommemstat <domid|name|uuid>
info about guest's memory status

virsh domid <domid|name|uuid>
conversion between identifiers

virsh dominfo <domid|name|uuid>
display guest information

virsh domifaddr <domid|name|uuid>
show guest interfaces

ivirsh domif-getlink <domid|name|uuid> <iface>
show guest interface status

virsh nodeinfo
display host information

∞ Cloning

these are note virsh sub-commands

virsh-sysprep –enable=<read_doc_for_params> <dom_id>

virt-clone --original <domid> --name <dest_id> -f <dest_vol>

∞ Volume Operation

virsh pool-list
list all volume pools

virsh pool-info <pool_id>

virsh vol-list <pool_id> [--details]

virsh vol-delete <vol_id> [--pool <id>]

virsh vol-create-as <pool_id> <volname> [--format <raw|qcow2> <size M|G|T> [--allocation <sz M|G|T>]
this command accepts a lot of parameters, see man for more info

virsh vol-clone <src_vol> <dst_vol> <--pool pool_id>

virsh vol-resize <vol_id> <size M|G|T> <--pool pool_id>
you will have to manage the new free space inside the guest

virsh vol-wipe <vol_id> <--pool pool_id>

∞ Snapshots

virsh snapshot-create-as <domid|name|uuid> [--name <str>] [--description <str>] [--quiesce]

virsh snapshot-current <domid|name|uuid> [--snapshotname <str>]
get or set the current snapshot

virsh snapshot-delete <domid|name|uuid> [--current | --snapshotname <str>] [--children]
delete current or particular snapshot, and if specified their children. See help for more parameters

virsh snapshot-edit <domid|name|uuid> [--snapshotname <str>]

virsh snapshot-info <domid|name|uuid> [--current | --snapshotname <str>]

virsh snapshot-list <domid|name|uuid>

virsh snapshot-revert <domid|name|uuid> [--current | --snapshotname <str>]

∞ Documentation

/var/lib/libvirt/ *this is the default directory where images, domains, etc. reside*
virsh help
http://libvirt.org/