Qemu Stuff

Qemu is a machine emulator (i.e. virtual machine), similar to VirtualBox and VMWare.

Useful Notes

- change tty in the guest os running on qemu with ALT + left or right arrows

QEMU console

To get this (compatmonitor0: available in 'View' menu), hit CTRL+ALT+F2. It is also available on host terminal using `-monitor stdio` command-line option.

To switch `tty` terminal in guest OS, type

```
sendkey ctrl-alt-f2
```

To get information on block devices available, type

```
info block
```

To change virtual CD image, type

```
change <device> <file>
```

Virtual Disks

To create 15G disk image:

```
qemu-img create -f qcow2 disk.qcow2 15G
```

To convert from VBox disk image:

```
qemu-img convert -f vdi -O qcow2 disk.vdi disk.qcow2
```

To convert **from** raw disk image:

```
qemu-img convert -f raw -O qcow2 disk.img disk.qcow2
```

To convert **to** raw disk image:

```
qemu-img convert -f qcow2 -O raw disk.qcow2 disk.img
```

To get smaller disk image:

```
qemu-img convert -O qcow2 disk.qcow2 disk_small.qcow2
```

Other Stuff

just dumping this here for now...

```
qemu-system-i386 -m 1536 -boot order=c,once=d -hda WinXP.qcow2 -cdrom
winxp.iso

qemu-system-i386 -m 1536 -boot order=c -hda WinXP.qcow2

qemu-system-i386 -monitor stdio -enable-kvm -m 1536M WinXP.qcow2

to get pure vga (640x480) old games on windows xp?
-vga cirrus

default is
# -net nic -net user
nic: enables network card
user: sets up virtual subnet (dhcp: 10.0.2.15{guest} 10.0.2.2{host})

# -net nic -net user,hostname=my1VM
# -name "MY1 VM"

# -redir tcp:2222::22

qemu-system-i386 -soundhw help

qemu-system-i386 -soundhw sb16
qemu-system-i386 -soundhw all

3d graphics

-vga virtio -display sdl,gl=on
-vga virtio -display gtk,gl=on

qemu-system-i386 -m 1536 -boot order=c,once=d -hda Slack.img -cdrom
slackware-14.1-install.iso

modprobe nbd max_part=8
qemu-nbd --connect=/dev/nbd0 disk.qcow2
mount /dev/nbd0p1 /mnt/tmp
umount /mnt/tmp
qemu-nbd --disconnect /dev/nbd0
rmmod nbd
```

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