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Make /etc/rc.d/rc.ip_forward executable. The command below is unneeded since reboot.

```
/etc/rc.d/rc.ip_forward start
```

Create `/usr/local/bin/qemu-ifup`

```
/usr/sbin/brctl addbr br0
/usr/sbin/ip addr add 172.20.0.1/16 dev br0
/usr/sbin/ip link set br0 up
/usr/sbin/dnsmasq --interface=br0 --bind-interfaces --dhcp-
range=172.20.0.2,172.20.255.254
/usr/sbin/tunctl -t tap0 -u 500
/usr/sbin/ip link set tap0 up promisc on
/usr/sbin/ip link set tap0 master br0
/usr/sbin/iptables -t nat -A POSTROUTING -o wlan0 -j MASQUERADE
/usr/sbin/iptables -A FORWARD -m conntrack --ctstate RELATED,ESTABLISHED -j
ACCEPT
/usr/sbin/iptables -A FORWARD -i tap0 -o wlan0 -j ACCEPT
```

Create `/usr/local/bin/qemu-ifdown`

```
/usr/sbin/iptables -F
/sbin/ifconfig tap0 down
/usr/sbin/tunctl -d tap0
pkill dnsmasq
/sbin/ifconfig br0 down
/usr/sbin/brctl delbr br0
```

The script for running a virtual machine.

Replace diskimage.qcow2 and cdimage.iso with actual filenames of hard disk and cdrom images.

If the guest went black after startup, remove `-display gtk,gl=on`

```
sudo /usr/local/bin/qemu-ifup
qemu-system-x86_64 -enable-kvm -machine q35 -device intel-iommu -cpu host -m
4G -vga virtio -display gtk,gl=on -audio driver=pa,model=virtio -net nic -
net tap,ifname=tap0,script=no,downscript=no -drive
file=diskimage.qcow2,format=qcow2 -cdrom cdimage.iso
sudo /usr/local/bin/qemu-ifdown
```

From:
https://irdya.top/ - 漂流記

Permanent link:
https://irdya.top/en/misc/qemu

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