

```

1 SHELL := /usr/bin/env bash
2 mkdir=mkdir -p
3 setup_bridge=br0 # Has internet access
4 run_bridge=br1 # On its own vlan
5 alpine_image=source/alpine/alpine-virt-3.8.2-x86_64.iso
6 freebsd_image=source/freebsd/bootstrap-assets/FreeBSD-12.0-RELEASE-amd64-memstick.img
7
8 .PHONY: all clean
9 all: release
10 clean:
11     make --directory=payload clean
12     rm -rf "os" "release"
13 os:
14     $(mkdir) "os"
15 os/alpine-boot.qcow2: ${alpine_image} os
16     qemu-img create -f qcow2 "$@" 1G
17     expect -f "source/alpine/build-boot-disk.exp" ${setup_bridge} "$@" "$<" "source/alpine"
18 os/freebsd-boot.qcow2: ${freebsd_image} os
19     qemu-img create -f qcow2 "$@" 1G
20     expect -f "source/freebsd/bootstrap-assets/build-boot-disk.exp" ${setup_bridge} "$@" "$<"
21     "source/freebsd/install-scripts"
22 payload/build: payload os/alpine-boot.qcow2
23     make --directory=payload all
24 # This will cause the VM to boot for the first time, and run the main.sh
25 # script. It will poweroff once done.
26 release:
27     $(mkdir) "release"
28 release/alpine-boot.qcow2: os/alpine-boot.qcow2 payload/build release
29     cp "os/alpine-boot.qcow2" "release/alpine-boot.qcow2"
30     qemu-system-x86_64 \
31         -enable-kvm \
32         -smp 1 \
33         -m 256 \
34         -net nic,model=virtio -net bridge,br=${setup_bridge} \
35         -display none \
36         -serial stdio \
37         -drive file=release/alpine-boot.qcow2,if=virtio \
38         -drive file=fat:payload/build,if=virtio
39 run-release: release/alpine-boot.qcow2
40     qemu-system-x86_64 \
41         -enable-kvm \
42         -smp 1 \
43         -m 256 \
44         -net nic,model=virtio -net bridge,br=${run_bridge} \
45         -display none \
46         -serial stdio \
47         -drive file=release/alpine-boot.qcow2,if=virtio
48 irun-release: release/alpine-boot.qcow2
49     qemu-system-x86_64 \
50         -enable-kvm \
51         -smp 1 \
52         -m 256 \
53         -net nic,model=virtio -net bridge,br=${run_bridge} \
54         -display none \
55         -serial mon:stdio \
56         -drive file=release/alpine-boot.qcow2,if=virtio

```