

Find IP of KVM Guest attached to br0 Bridged NIC

I have my KVM guests on br0 interface so I think its a bit different, but here is my two scripts I made.

Note to use ARP you first need to have the MAC in your Arp Table. Therefor its best to use fping to do a quick ping of entire network (takes like 2 seconds). This makes sure your Arp cache is up to date.

```
apt-get install fping
yum install fping
```

Find a single guest IP via :

```
cat << 'EOF' > ~/findip.sh
#!/bin/bash
#FreeSoftwareServers.com

echo "Finding All Active IP's in Network via single Ping"
sleep 2s

fping -a -g 192.168.1.0/24 >/dev/null 2>&1 &
#nmap -sn 192.168.1.0/24 >/dev/null 2>&1 &

echo "Please Enter the Exact Name of the VM Guest:"

read guestname

arp -na | awk -v mac=$(virsh domiflist $guestname | awk '$2=="bridge"{print $NF}') '$0 ~ " at " mac {gsub
("[()]", "", $2); print $2}'
EOF
chmod +x ~/findip.sh
sudo sh -c 'echo "alias findguestip=~/.findip.sh" >> ~/.bashrc'
source ~/.bashrc
findguestip
```

Find All Guest IP's via:

```
cat << 'EOF' > ~/findallips.sh
#!/bin/bash
#FreeSoftwareServers.com

echo "Finding All Active IP's in Network via single Ping"
sleep 2s

fping -a -g 192.168.1.0/24 >/dev/null 2>&1 &
#nmap -sn 192.168.1.0/24 >/dev/null 2>&1 &

domainlog=/tmp/domain.log

virsh list --all | grep running | cut -c 8- >> "$domainlog"

sed -i 's/running*/g' "$domainlog"

readarray domain < "$domainlog"

for i in "${domain[@]}"
do
ip=$(arp -na | awk -v mac=$(virsh domiflist $i | awk '$2=="bridge"{print $NF}') '$0 ~ " at " mac {gsub("[()]",
", $2); print $2}')
echo "Hostname : $i IP : $ip"
done
rm "$domainlog"
EOF
chmod +x ~/findallips.sh
sudo sh -c 'echo "alias findallips=~/findallips.sh" >> ~/.bashrc'
source ~/.bashrc
findallips
```

<https://unix.stackexchange.com/questions/425028/libvirt-kvm-how-to-get-the-ip-address-of-virtual-machines-on-a-bridged-netwo#>