Linux Packet Forwarding

Basic outgoing masquerding script

```
#!/bin/bash
network=192.168.3.0/24
ext_if=eth0
ext_ip=$(ip address show $ext_if | awk -F "[ /]" '/inet / { print $6 }')

# Turn off forwarding
echo 0 > /proc/sys/net/ipv4/ip_forward
# Flush NAT rules
iptables -t nat -F POSTROUTING
# Create NAT rules
iptables -t nat -A POSTROUTING -s $network -o $ext_if -j SNAT --to-source
$ext_ip
# Create FW rules to allow traffic
iptables -I FORWARD -m conntrack --ctstate ESTABLISHED -j ACCEPT
iptables -I FORWARD -s $network -j ACCEPT
# Turn on forwarding
echo 1 > /proc/sys/net/ipv4/ip_forward
```

Incoming port forwarding

```
#!/bin/bash
port=80
host=192.168.3.80
iptables -t nat -A PREROUTING -m tcp -p tcp --dport $port -j DNAT --to-
destination $host:$port
```

kb, linux, network, iptables

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