Bonus

Come bonus dovevamo provare a lanciare il cracking di hydra sulla porta ssh di Metasploitable.

Per renderlo possibile ho dovuto modificare il file ssh_config di kali.

```
kali@kali: /etc/ssh
File Actions Edit View Help
                                                                                                      ssh_config
# Any configuration value is only changed the first time it is set.
# Thus, host-specific definitions should be at the beginning of the
# configuration file, and defaults at the end.
# Site-wide defaults for some commonly used options. For a comprehensive # list of available options, their meanings and defaults, please see the
Include /etc/ssh/ssh_config.d/*.conf
     ForwardAgent no
     PasswordAuthentication yes
HostbasedAuthentication no
     GSSAPIDelegateCredentials no
GSSAPIKeyExchange no
     BatchMode no
CheckHostIP no
     ConnectTimeout 0
StrictHostKeyChecking ask
IdentityFile ~/.ssh/id_rsa
IdentityFile ~/.ssh/id_dsa
IdentityFile ~/.ssh/id_ecdsa
IdentityFile ~/.ssh/id_ecd5519
      Ciphers aes128-ctr,aes192-ctr,aes256-ctr,aes128-cbc,3des-cbc MACs hmac-md5,hmac-sha1,umac-64@openssh.com
      Tunnel no
TunnelDevice any:any
     VisualHostKey no
ProxyCommand ssh -q -W %h:%p gateway.example.com
     UserKnownHostsFile ~/.ssh/known_hosts.d/%k
SendEnv LANG LC_*
      HashKnownHosts yes
Host 192.168.30.2
   MACs hmac-md5,hmac-sha1,umac-64@openssh.com,hmac-ripemd160,hmac-ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96
```

Aggiungendo Host 192.168.30.2 → ip metasploitable

HostKeyAlgorithm → ssh-rsa ovvero quello che utilizza meta

MACs \rightarrow Message Authentication Codes (codici di autenticazione dei messaggi) con gli algoritmi utilizzati da metasploitable.

Inizialmente senza MACs ricevevo questo errore.

```
Hydra v9.5 (c) 2023 by van Hauser/THC 6 David Maciejak - Please do not use in military or secret service organizations, or for illegal purposes (this is non-binding, these ** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 205-01-17 1782:01

Hydra (https://github.com/vanhause
```

Lancio il seguente comando:

hydra -L /usr/share/wordlists/seclists/Usernames/xato-net-10-million-usernames.txt -P /usr/share/wordlists/seclists/Passwords/xato-net-10-million-passwords-1000000.txt 192.168.30.2 -V -T 4 ssh

```
| Sandan and Shi | Satis | Sat
```