

Criptografía y Blockchain

Módulo 3 - Resolución del laboratorio



Resolución del ejercicio 1

1. OPENSSL-DGST (1SSL) OpenSSL OPENSSL-DGST (1SSL) NAME openssl-dgst - perform digest operations SYNOPSIS openssl dgst|digest [-digest] [-list] [-help] [-c] [-d] [-debug] [-hex] [-binary] [-xoflen length] [-r] [-out filename] [-sign filename|uri] [-keyform DER | PEM | P12 | ENGINE] [-passin arg] [-verify filename] [-prverify filename] [-signature filename] [-sigopt nm:v] [-hmac key] [-mac alg] [-macopt nm:v] [-fips-fingerprint] [-engine id] [-engine impl id] [-rand files] [-writerand file] [-provider name] [-provider-path path] [-propquery propq] [file ...] DESCRIPTION This command output the message digest of a supplied file or files in hexadecimal, and also generates and verifies digital signatures using message digests.



```
2. - seq 20000 > muestra.txt
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3. └\$ openssl dgst -list Supported digests: -blake2b512 -blake2s256 -md4 -md5-sha1 -ripemd -md5 -ripemd160 -rmd160 -sha1 -sha224 -sha256 -sha3-224 -sha3-256 -sha3-384 -sha3-512 -sha384 -sha512 -sha512-224 -sha512-256 -shake128 -shake256 -sm3 -ssl3-md5 -ssl3-sha1 -whirlpool



4. sopenssl dgst -sha3-256 muestra.txt
SHA3-256(muestra.txt)= 658656e129914052546af527ba8cf573ab27fb47551a0682ffcf
00eeaf56d32b





Resolución del ejercicio 2





```
(kali@kali)-[~/Desktop/cripto]
$ hashcat -a 0 -m 3200 hashes.txt Passwords/xato-net-10-million-passwords-10000.txt -- show

$2y$10$TYau45etgP4173/zx1usm.u034TXAld/8e0/jKC5b0jHCqs/MZGBi:password
$2y$10$qQVWugep3jGmh4ZHuHqw8exczy4t8BZ/Jy6H4vnbRiXw.BGwQUrHu:hotdog
$2y$10$puZ0T/Qieif009SdR5HD500iFl/WJaDyCDB/ztWIM.1koiDJrN5eu:password1
$2y$10$0ClJ117LQxMNva/NwRa5L.4ly3EHB8eFR5CckXpgRRKAQHXvEL5oS:88888888
$2y$10$LIWMJJgX.Ti9DYrYiaotHuqi34eZ2axl8/i1Cd68GYsYAG02Icwve:hello123
```



¡Sigamos trabajando!