Date – 30/01/2024
Subject – Cracking leaked passwords using hashcat

interestec:25f9e794323b453885f5181f1b624d0b:**123456789**
eatingcake1994:fcea920f7412b5da7be0cf42b8c93759:**1234567**
bookma:25d55ad283aa400af464c76d713c07ad:**12345678**
popularkiya7:e99a18c428cb38d5f260853678922e03:**abc123**
ortspoon:d8578edf8458ce06fbc5bb76a58c5ca4:**qwerty**
simmson56:96e79218965eb72c92a549dd5a330112:**111111**
heroanhart:7c6a180b36896a0a8c02787eeafb0e4c:**password1**
edi_tesla89:6c569aabbf7775ef8fc570e228c16b98:**password!**
liveltekah:3f230640b78d7e71ac5514e57935eb69:**qazxsw**
johnwick007:f6a0cb102c62879d397b12b62c092c06:**bluered**
blikimore:917eb5e9d6d6bca820922a0c6f7cc28b:**Pa$$word1**
experthead:e10adc3949ba59abbe56e057f20f883e:**123456**

Hashing Algorithm Used: MD5

Level of protection:
- MD5 offers significantly weaker security due to its faster computation speed. This speed advantage becomes a disadvantage when protecting sensitive information as attackers can brute-force passwords more efficiently.

Recommendations:
- Use a better algorithm as compared to MD5, for example SHA256, bcrypt etc.
- It is preferred to use salts with hashes.

Changes possible in password policy:
- Prefer not to use common phrases related to you. Use mix of characters for better results.
- Increase password length to 12 characters. Less the number of characters, easier the password is to crack.
- Always check security with a password strength checker tool such as https://howsecureismypassword.net/

Personal takeaways:
- Learned how to crack hashes using tools like hashcat.
- Gained knowledge about different hashing algorithms like MD5, SHA256 etc.
- Understood how security of a password can be increased.

Thank You
Amritansh Singh
amritansh2710@gmail.com