Cracking The Hash

Here we will crack the hash using the "john the ripper" tool.

Step 1:- Identify the hash format (like md5, SHA1, SHA256, etc).

Here we will use hash-identifier tool in kali linux

Command:- \$ hash-identifier

Hash: 48bb6e862e54f2a795ffc4e541caed4d

It identified hash is "md5"

Step 2 :- Save the hash in file (hash1.txt)

Command:- \$ echo "48bb6e862e54f2a795ffc4e541caed4d" >> hash1.txt

Step 3:- Now we use john the ripper tool to crack this hash

First we set the format of the john the ripper and specifying the wordlist

Command:- \$ sudo john --format=raw-md5 --wordlist=rockyou.txt hash1.txt

Using Hashcat

Hash like :-

"\$2y\$12\$Dwt1BZj6pcyc3Dy1FWZ5ieeUznr71EeNkJkUlypTsgbX1H68wsRom"

This is unknown hash

Need to convert it by giving '\' before '\$'

"\\$2y\\$12\\$Dwt1BZj6pcyc3Dy1FWZ5ieeUznr71EeNkJkUlypTsgbX1H68wsRom"

Step 1 :- Get the hash ID

Command:- \$ hashid -m

"\\$2y\\$12\\$Dwt1BZj6pcyc3Dy1FWZ5ieeUznr71EeNkJkUlypTsgbX1H68wsRom"

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(root@Pratik)-[~/hashCrack]
# hashid -m "\$2y\$12\$Dwt1BZj6pcyc3Dy1FWZ5ieeUznr71EeNkJkUlypTsgbX1H68wsRom"
Analyzing '$2y$12$Dwt1BZj6pcyc3Dy1FWZ5ieeUznr71EeNkJkUlypTsgbX1H68wsRom'
[+] Blowfish(OpenBSD) [Hashcat Mode: 3200]
[+] Woltlab Burning Board 4.x
[+] bcrypt [Hashcat Mode: 3200]
```

Step 2 :- We got the hash Id — 3200

Step 3 :- Save the hash in file (hash2.txt)

Command:-\$ echo

"\\$2y\\$12\\$Dwt1BZj6pcyc3Dy1FWZ5ieeUznr71EeNkJkUlypTsgbX1H68wsRom" >> hash2.txt

Step 4 :- By using "hashcat" tool we will crack the hash (it takes more time than normal hash)

Command:- \$ hashcat -m 3200 hash2.txt rockyou.txt