Cracked Passwords:

jackbear:speed-order

barneybear:dha4

yogibear:Curtium

cozybear:500768

carebear:rd2tgq7k

papabear:anthony

grizzlybear:147852369

pandabear:Password21&

Methodologies:

I initially started cracking passwords by using John the Ripper and the Seclist. Through this combination, I successfully cracked 3 passwords using wordlists such as: worst-passwords.txt, Lizard-Squad.txt, and common_corporate_passwords.txt. After exhausting the Seclist with John the Ripper and obtaining no further results, I moved on to using Hashcat, which gave me the most results. After utilizing Hashcat, I cracked 5 passwords using wordlists such as: openwall.net-all.txt (2 cracked passwords), darkc0de.txt, and xato-net-10-million-passwords.txt (2 cracked passwords).

These are the command prompts I used for each hash:

jackbear:speed-order — hashcat -m 500 -a 0 -O -w 3 md_hashes.txt openwall.net-all.txt

barneybear:dha4 — hashcat -m 500 -a 0 -O -w 3 md_hashes.txt darkc0de.txt -o cracked_passwords.txt

yogibear:Curtium — hashcat -m 500 -a 0 -O -w 3 md_hashes.txt openwall.net-all.txt

cozybear:500768 — hashcat -m 500 -a 0 -O -w 3 md_hashes.txt xato-net-10-million-passwords.txt

carebear:rd2tgq7k — hashcat -m 500 -a 0 -O -w 3 md_hashes.txt xato-net-10-million-passwords.txt

papabear:anthony — john --wordlist=500-worst-passwords.txt crackme-spring2024.txt --format=sha512crypt

grizzlybear:147852369 — john --wordlist=Lizard-Squad.txt crackme-spring2024.txt --format=sha512crypt

pandabear:Password21& — john --wordlist=common_corporate_passwords.txt crackme-spring2024.txt --format=sha512crypt

Lastly, after cracking these passwords I made sure to check to see if they were correct by using a openSSL. I used a command prompt like this: **openssl passwd -1 -salt BGVAnquQ speed-order**. All the results came out true.

I organized my password-cracking assignment like this:

	Username	Hash Type	Password Hash	Cracked	Password	Strategy (Command)	Check	Check True?
1	jackbear	md5crypt	1BGVAnquQ$CB3xkCCex9KYoBLplzfKO.	Cracked	speed-order	hashcat -m 500 -a 0 -O -w 3 md_hashes.txt openwall.net-all.txt	x$	Yes
2	barneybear	md5crypt	1Ool8Gjdp$HVZ30fBr92pUZlmJ24XJU0	Cracked	dha4	hashcat -m 500 -a 0 -O -w 3 md_hashes.txt darkc0de.txt -o cracked_passwords.txt	openssl passwd -1 -salt Ool8Gjdp dha4	Yes
3	teddybear	md5crypt	1aT6RQywT$AAbeQ/FvaaLIV.kENTQcA.	Not Cracked				
4	yogibear	md5crypt	$1$1j/LPdi9$it6s0c5XwlLlgyg76FFPi/	Cracked	Curtium	hashcat -m 500 -a 0 -O -w 3 md_hashes.txt openwall.net-all.txt	openssl passwd -1 -salt 1j/LPdi9 Curtium	Yes
5	sisterbear	md5crypt	1.hnet9Vl$gpizSxPrpDhWwCJCKggXF0	Not Cracked				
6	cozybear	md5crypt	1/aZIbtfM$7KJvymmIMjzCvtTSGvNrA1	Cracked	500768	hashcat -m 500 -a 0 -O -w 3 md_hashes.txt xato-net-10-million-passwords.txt	openssl passwd -1 -salt /aZIbtfM 500768	Yes
7	brotherbear	md5crypt	1TAQgSLW0$3YhU40/nln.VqwvdBUMd81	Not Cracked				
8	carebear	md5crypt	1I61DSWE0$yOKLn/jZn7UWlvdMvQgXR0	Cracked	rd2tgq7k	hashcat -m 500 -a 0 -O -w 3 md_hashes.txt xato-net-10-million-passwords.txt	openssl passwd -1 -salt I61DSWE0 rd2tgq7k	Yes
9	bluebear	sha512crypt	6XcMHMb9zwWQ5AQuE$i1E3VYIf8KuRLUxQA1eW\	Not Cracked				
10	papabear	sha512crypt	6HJRtNnBl1iucewsi$.yxuW2al1ijw15C92CxElhBKL55	Cracked	anthony	john --wordlist=500-worst-passwords.txt crackme-spring2024.txt --format=sha512crypt	openssl passwd -6 -salt HJRtNnBl1iucewsi anthony	Yes
11	blackbear	sha512crypt	6ObRBq.7idqguqcq8$kVHv6VTxsIH/FHICLemyyr/YD	Not Cracked				
12	grizzlybear	sha512crypt	6p3gbSlLd7JjloAja$8RsK2eKmnKpE1CuUr1M1fSVo3	Cracked	147852369	john --wordlist=Lizard-Squad.txt crackme-spring2024.txt --format=sha512crypt	openssl passwd -6 -salt p3gbSlLd7JjloAja 147852369	Yes
13	mamabear	sha512crypt	6KQZ/ZVnM3Feyflui$d09eSBXBTA1Who8H6W9WYH	Not Cracked				
14	pandabear	sha512crypt	6jgC0GUdU1ZdhLG7D$fzQYiBeZK3xapOF/PXqks62	Cracked	Password21&	john --wordlist=common_corporate_passwords.txt crackme-spring2024.txt --format=sha512crypt	openssl passwd -6 -salt jgC0GUdU1ZdhLG7D Password	Yes
15	polarbear	sha512crypt	6FHFLEVv/g0Cf13HB$guZIX/WJSozPB84FNaMo33C	Not Cracked				
16	fancybear	sha512crypt	6MMDvT/foLBfYO.6v$KcIpHBbg9DTS4X9wCllY.UoF;	Not Cracked				