

## Summary of Findings

There are many users at this company susceptible to basic password attacks and even people trying to guess certain users' passwords. I successfully obtained 28 passwords. I was able to gather 7 passwords from single mode which uses information derived from usernames or user-specific details. I was able to retrieve 5 passwords from using the "Rock You" dictionary which is a very popular dictionary for password crackers and most likely will be the first thing attackers try to use. I was only able to get 1 password from running brute force. However, that is because it was the last attack I ran and it most likely gotten at least 9 passwords if it was the first tool ran, and it had at least 12 hours.

## Security Risks

- Use of common words (e.g., "game", "password", "seal")
- Lack of password complexity (no special characters or numbers)
- Many passwords were too short

## Recommendations

To strengthen this company's password security, it is important that they implement strong password policies. This means that they will enforce a minimum length, complexity, and prohibit common words or phrases from being used. It is also important to educate all of the users; every security expert would agree that the most likely attacks are phishing or social engineering because people are much easier to manipulate than computers. This company may also want to deploy a password manager; this will allow users to use unique, strong passwords without having to burden them.

woodhouse	kwdm	Brute Force
emusk	bedrog	Dictionary Afrikkans
qbert	game	Dictionary Czech
larrypage	revolucionarovi	Dictionary Czech
woods	quintuplerions	Dictionary French
harkness	doctor	Dictionary Latin
janedoe	ignotas	Dictionary Latin
pjfry	bender	Dictionary Polish
dewitt	elizabeth	Dictionary Polish

jonasquinn	history	Dictionary Polish
bradmajors	janet	Dictionary Polish
filburt	password	Dictionary Polish
bobert	password	Dictionary Polish
sarahjane	pmd	Dictionary Polish
melodypond	river	Dictionary Polish
spaerrnings	jgarner	Dictionary Swedish
alexlifeson	qwerty	Dictionary Rock You
shirelyb	community	Dictionary Rock You
stinson	legendary	Dictionary Rock You
samspade	investigate	Dictionary Rock You
bbluth	seal	Dictionary Rock You
robertpaulson	robertpaulson	Single Mode
rtrenneman	725	Single Mode
jenb	9119	Single Mode
dpippen	88199	Single Mode
denholmr	999	Single Mode
mmoss	3	Single Mode
douglasr	0118	Single Mode