OLD DOMINION UNIVERSITY

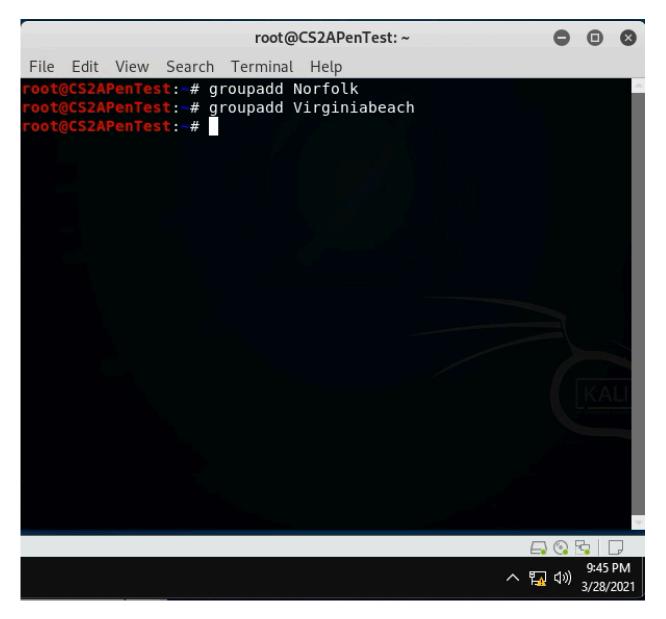
CYSE 301 Cybersecurity Techniques and Operations

Assignment M4.1: Linux Password Cracking

Joy Diggs 00491693

TASK A

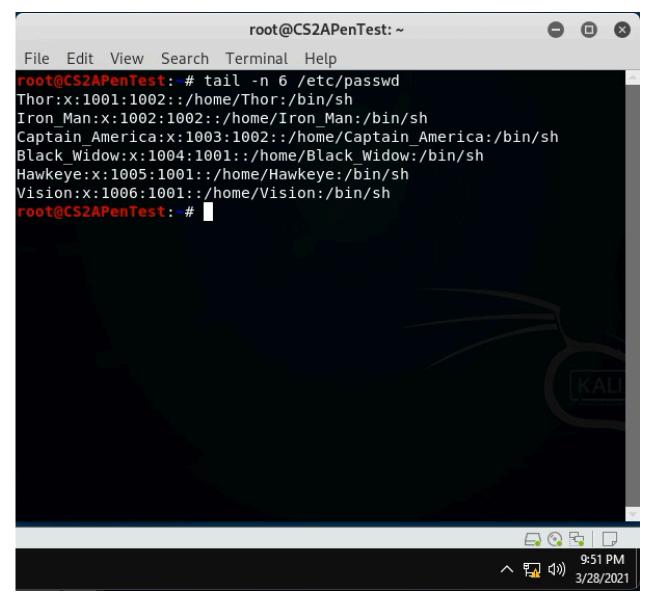
1. Add user groups.



Above is the screenshot of my two added groups.

Step 2

2. The six users added to the group.



Above are the users added to the groups.

Step 3

3. Add passwords to the six users.

root@CS2APenTest: ~ 🗧 🔳 🤇	2
File Edit View Search Terminal Help	
<pre>root@CS2APenTest:~# passwd Thor</pre>	^
New password:	
Retype new password:	
passwd: password updated successfully	
<pre>root@CS2APenTest:~# passwd Iron_Man</pre>	
New password: Retype pey password:	
Retype new password: passwd: password updated successfully	
<pre>root@CS2APenTest: # passwd Captain America</pre>	
New password:	
Retype new password:	
passwd: password updated successfully	
<pre>root@CS2APenTest:~# passwd Black_Widow</pre>	
New password:	
Retype new password:	
passwd: password updated successfully	
root@CS2APenTest:~# passwd Hawkeye KAL	
New password:	
Retype new password:	
passwd: password updated successfully <pre>root@CS2APenTest:~# passwd Vision</pre>	
New password:	
Retype new password:	
passwd: password updated successfully	-
	4
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Above are the passwords that was given to the six users.

Step 4

4. Crack the passwords with John the ripper.

root@CS2APenTest: ~	•	0	0
Toot@CS2APentest.~	•	U	
File Edit View Search Terminal Help			
drwxr-xr-x 2 root root 4096 Mar 1 2017 Pictures			^
drwxr-xr-x 2 root root			
drwxr-xr-x 2 root root 4096 Mar 1 2017 Templates			
drwxr-xr-x 2 root root 4096 Mar 1 2017 Videos			
<pre>root@CS2APenTest: # john lab4shadow.txtwordlists=rock</pre>	you.	txt	
Created directory: /root/.john			
Unknown option: "wordlists=rockyou.txt"			
<pre>root@CS2APenTest: # john lab4shadow.txtwordlist=rocky</pre>	ou.t	txt	
Using default input encoding: UTF-8			
Loaded 6 password hashes with 6 different salts (sha512c	rypt	Е, С	ry
pt(3) \$6\$ [SHA512 256/256 AVX2 4x])			
Cost 1 (iteration count) is 5000 for all loaded hashes			
Will run 2 OpenMP threads	tati		
Press 'q' or Ctrl-C to abort, almost any other key for s 123456789 (Iron Man)	Lall	15	
123430789 (1101_Mair) 123123 (Thor)			
acapulco (Vision)			
academic (Hawkeye)			
4g 0:00:07:02 2.36% (ETA: 03:01:27) 0.009473g/s 934.3p/s	215	59c/	s
2159C/s pumpkin93prince96		,50,	
Use the "show" option to display all of the cracked pa	sswo	ords	r
eliably			
Session aborted			
root@CS2APenTest:~#			~
	0	3 [7
	1.33	10:11	PM
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Above is the passwords that John the ripper cracked.