h	WEP Gracking
1	> wired equivalent privacy
A	told encryption, can be cracked easily
-	Still wed in some networks
	C) mes RCY algorithm
ر مہ	
و رحہ	A Data is encrypted using a key. Sent into the air Router
9	Lecrypts packet using the key.
.)	-> A unique key is created for each packet. A random 24
1	bit initialization vector is added to router paisword to
0	form the key.
6	V V
*	

Subject:DATE:	•
A THE Initialization machine (this) is and in the	()
is too small (only 24 bits).	2
30 IV's repeat. 3. Vulnerable	
TO COLO 1 - OCIVIER OBJE	8
To crack WEP:	2
-> capture a large no. of parkets (repeat)	0
-> analyse & crack. > (airodump-ng)	
G (aircrack-ng)	
L> # airodump-ng bssid &3 channel &3	
write basic_wep mon0	
after this:	•
# gircrack-ng basic-wep - 01. cap	
-> this will show the p key in ASCI) also. If ASCI)) zis
not given, you can use key to unlock.	6
How?	•
(41: 73:32:33:70)	•
remove colons (4173323370)	•
Copy it	
parte the any in the pausword section.	•
	•
So WEP BF Crocked.	•
* It would have been difficult if network wasn't buy	1-
The soin is to force the AP to generate new IVs.	_
The soln is to force the AP to generate new IVs. To do this, we need to show a face association we the Actes Point.	ith
THE TICEUS TOTAL	
Fare Authentication	-
	•
#airodump-ng bssid &3 channel &3	
write arpreplay mono	•

odo if config 8 get first 12 digits of subject: unspec' field. 9 # aireplay-ng -- fakeauth 0 -a Ebssid3-h 9 SMAC Address of wireles Adapter 3 mond 3 -> this amo ciator you to the target network. Now you can communicate by the network. Now: 1 We'll wait for an ARP Packet 2 capture it & retransmit it 3 This cames the AP to produce another packet 9 with a new IV (4) neep doing this till we have enough I've to crack the key 9 30 after ausociation, do: 4 # gireplay-ng -- arpreplay -b &bssid] -h &MAC of WAZ 9 0000 -> once this is done, new packets with new I've will be generated. And you can do aircracking to get the key ·wan. # aircrack-ng arpreplay-01.cap WPA [NPA2 Cracking) Toth can be cracked using the same methods -> All methods work on both. -> NPS is a feature und with NPA & WPAZ. > it allows dient to connect who pauword 3 -> Authentication is done using an 8 digit pin 3 6 8 digit is very small ?. Vulnerable -

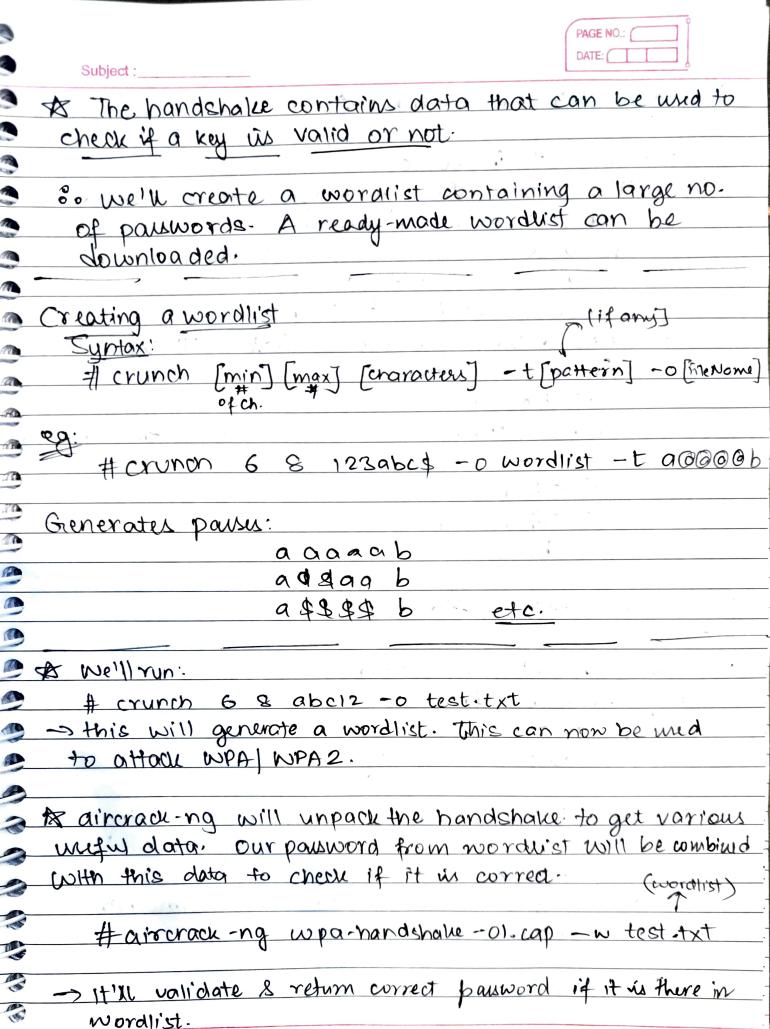
not to use PBC (Push Button Authentication)
e. mps is just a loophole if available.
To check networks which have WPS available:
#wash Interface mono
-> ampoints will be
-> amociate w/ the network now.
the smac was mono
· Before running this, in another terminal do:
roover board character
reaver bssid Sbssid3 Channel &3
interface mono -vvv no-associate
Now run the augusticaling
Now run the association command, & get the pin.
* If WPS in dischlad was made
-> Now, partite anothing else.
-> Now, packets contain no useful data. Only packets
that can aid w) the cracking process are the y
January Jackers.
Capture Handshake
-> run airodump-ng to get bssid
-> store data in a file by airodump-ng
-> now we must wait for a new went to do
connect. But, we can for a this by a
deauthentication afface. So that the event
disconnects & connect again.
and deauth attack. (send 4 greanth packets)
-> once handshake is captured, close airodumping
V

* This way only works if router is configured

Subject:

PAGE NO.:

DATE: (



Subject:	
Security (So that we are safe)	
	A
> run # ip route	A
- it'll snow default gateways in oursent network	
-> copy rower's ip address	
- ao to web browser & go to login page	
	A
-> ensure Security = NPA2 Personal	
-> une a long paisword (atteast 14 characters)	ā
(mix symbols)	ø
-> disable WPS	a
-> MAC filtering (a list of MAC address that continued	
or only connect	-4
> either allow few	-
> either deny few	•
. both	_
- × - × ×	-