U	\mathbf{t}	-	4	3

					A
(I)	Crosse	to min	e cone	time in	formation
	0				The same of C

- Using key terms with operators

Operater	Description \ ■
Eilety fe	
inea l'	Type of file filelype: 2ls only search this wil inwest: 66
link	Search within link link:
intitle	Earch within title.

3 WHOIS

Tools to query info an organization entered when registering its domain.

> Can use domain name or IP.

3 Exploring domain ownership > Ending details of who owns the domain > Part of social engineering.

-> Internet Assigned Numbers Authority (IANA)

- 4 Passive Information Gathering Attacks
 - @ Rumpster Driving: Info in the address's garlege lein.
 - D wordriving: Einling & marking location and status of wireless networks.
- @ Wardialing: Scanning all phone numbers to check for connected moderns with vulnera leilities. 4 Toble:
 - a) Tone Loc
 - ii) THC Scan
 - iii) Demon Dialer
- 5 ICMP (Ring) (Internet Control Message brotocol)

 - → Part of TCP/IP perotocol Suite

 → Designed to aid notwork diagnostics and
 sending error messages.

 → ICMP is sent for only 1 fragment.

 → No priority:
 - - > Can't refly with ICMP.
- = his is a type of ICMP to verify connectinity.

1 TCP & UDP fort Scanning

- > TCP is a connection oriented protectol.

 TCP can return many different types of responses to a scanning program.
- UDP does not have plags or usue responses to scanoring
- → UDP can scans can get ICMP fort unreachable or no response if ICMP is blocked.

Scan name	_ Details
TCP full connect Scan	
Scan	and is logged.
	Open = SYN/ACK
	closed → RST/ACK
TCI SYN Scan	Half-open. Most IDS now detect it. Open > SYN/ACK
	closed > RST/ACK
TCP FIN Scan	Usually works with Unix only.
	Usually works with onex only.
TCP NULL Scan	No flags set.
•	10000

IS 3.4

Attempts to determine Access Control List or identifies stateless inspection Can determine filtered Parts. TCP ACK Scan TCP XMAS Scan FIN, URCIPSH are or toppled Closed > RST

(8) actecting live Systems

i) Wardriving: (ooking for ofen wereless access foints.
ii) ICMP (fing): ling is used to detect line system.
iii) lort scanning: & Retect ofen forts.
iv) OS fingerfrinting: Determining OS of another system.

@ TCP/IP protocol Stack

FTP SMTP Telnet HTTP DAY SNMP Boot P - brows layer connection-oriented connection-less Host-to-host layer > Internet layer ICMP ARP RARP EMPLOSPE Ethernet, Token ring, ATM etc Network access layer

lele

Notes	Date :
1 Cossword Cracking Proce	
rection Original Hashing also.	Message Rijest
rocking Message I	-or ‡
Creecking Outlanary - Mashing -	> Musage Digest
 Steps in Roseine Information Screetinging key employe Dumpster driving Analysing web page coding 	n Grathering
:) Analysing web page coding	g
") Exploiting welesite authenti ") Mining for fole ads I and ") Using google to mine sensitive ") Exploring domain owners	lysing financial data
·) Enfloring domain owners	hip.
2.2	

IS 3.6

(3) Reduce effectineness of Enumerating Systems

(i	Turn of	SNMP	. Il	not	Rossile	le, le	lock	port
	Turn of	network	chok	e ha	nts &	upgrad	e to	
	SWMP	v3 ·						
	Impleme	nt ACL	lil	tering	to	ellow	only	
	Impleme Specific	Station	s or	Sulen	ets 1	e read	/wri	te.

- (FOR routers)

 - ⇒ Dynamic ARP inspection
 → Anti Sniffing
 → bromiscuous mode detection
 - → Improved routing protecols → Signatures albed to IDS:
- - → Block ports
 → Prisolele unnecessary services
 → Use the restrict anonymous setting