Website Hacking }
- Turi
> web server + database
· a website can be hacked using server I dient attacks or
do web-app bentesting.
We'll learn web pentesting. Our target will be
the metasploitable machine.
* tets start by information gathering. We can use
maltigo or zenmap or any other tool.
* Whoi's Lookup: find owner of the torget (about them)
go to whois domaintook com & put domain name.
Netcraft Site Report: Show technologies used on the site.
Robtex DNS Lookup: Comprehensive info abt site.
is Information gathering is very important to plan an attack
L) (Ingo in control garriering was very
A Diamen Oubdouggiostis
* Discover Subdomains:
4 knockpy is used to do this
recon detects subowmans quant
bruteforce (subdomain bruleforce)
Ls to recon detects subdomains quickly  bruteforce (subdomain bruteforce)  # 1> do: knockpy domain google.com recon.

Subject :	PAGE NO.: DATE:
A find files & directories in target webs	
Suse dirb	•
Co# dirb <ure> &lt; wordlist &gt;</ure>	0
S custom or we	a defautt
L> -0 Soutput fill to kali 3	
The you discover files, you can no	w analyze it.
4) Simply open any directory & analyze	it.
File Upload Vulneabilities	
-> Simplest type of vulns.	•
-> allows to upload executable file such	au nhn
The control of the said	
A Create a php shell:	*
on kali: # weevely generate 123450	6 /root/shell-php
	rd file name
paswo	rd file name
this generates a php	•
> go to metasploit drwa uploads	
worked the php	
to use it.	can use beevely
(s # weevely Eurl of she	11 2 102464
1 recovery con of stre	<u> </u>
Now you are in the server &	paisword •
can execute any linux command	
6) You can do number of things we w	seevely.
is do help to know more	
2	

1	
1	Subject:
	Local file Inclusion vuin
3	
-	allows attacker to read any file on the same server
	access files outside wow directory.
	* You can try to access files by analyzing work.
	S und you detect what file to reed
3	Is you can open it on the website by managing
3	dire dories.
3	
3	(SOL Injection) Structured Query Language
1	July T
3	most websites use databases to store data
3	interaction with the database is done by SRL.
-	L) databases store everything (but some data might be
7	encrypting)
2	A SOL Injection is very dangerous since you have access to the
	database which contains pretty much everything.
77	-> databases contain sensitive data that once leaked,
	is very dangerous.
1	
n	A First step is discovering SOL.
7	1> try to break the page
7	Wing 'and', 'order by' or "'"
-	4) Test text boxes and url parameters on the form:
-	http: [ target.com   php page.php ? something = smithing.
-	
-	Atg: In metasploitable
112	b) go to multicuidae
	Lo go to login page
	Lo go to login page Lo we can inject sol into text boxes
-	

Subject	:
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enter paumord say ""

- the page throws error & this ever is very informative, in metasploitable. -> this tells is that target site was col. & put wername as zaid (eay) But put a 'at the end of paisword. Basically, the query that you are writing is: and paisword = 123456 and 1=1 # > if you parte this, it should allow you to begin

123456' and 1=1 #

parte this 9 9 \* This tells that the site is doing ( supporting SOL Injection. Hence, lu the fourword field, we can put: real paus code.

This will execute our code on target

PAGE NO. DATE Subject: A Say you put wername = admin, whose pawverd 3 we don't know. --> But if in paisword to we put: aga' or 1=1# -> since for condition is right, the login will work. This is one of the way to bypass login. The worname is injectable as well. 3 admin' # 3 -> if this is done then: Select from accounts where wirname = 'admin' #? and pansword = " & PASSWORD"; -> nothing after # will be executed & you can login woo a paisword. 1 Discovering SOL injection is very important. you can discover it using lorder by > say in the url you get username & painthen: & paisword = - . - - Url -> if solinjection exists, this must give something if you make 1 as 100000 (or very large), then it might return an error if their many entries aren't there. aren't there.

	PAGE NO.:
Subject:	DATE:
* if we do:	•
Sof Union select 1,2,3,4,5 mint -> as	username
then the site shows all the 5 reco	ords that are
mab-	•
5 doing this puts 2 as wername,	
4 as signature in muttillidal.	
0 10	•
so if we do:	·
union select 1, database(), mense	me, veusion(),
5	
then it shows:	
Wername = OSWasp10.	
password = root@ localha	
Signature = 5.0.51 a - 346	ouwtu 5
Hongo was injected amount of the	
Hence we injected query to obtain databa and got the results.	Me, Will, vision
got the results.	
A If we do:	. 2
union select 1, table_name, nul	1, noy, 5
from information - schema-to	
-) This will give all tables that exist i	•
A Now that we know what tables are there	. We can cheek
the data within.	
-Say table is accounts.	
-> We first need column names in this ta	ble.
-> f ~ this do	
union select 1, table column_name  5 from information - schema column	, nou, null,
The second will be seen to the second with the second second with the second se	VVS JOINGE
table-name = 'accounts'	T

-	PAGE NO.:
-	Subject:
1	A This shows all columns.
3	-> now if you do:
3	union select +, username, paisword, is Admin, 5
3	
3	-> it'll show all usernames, passwords that exist
3	within the accounts table.
	A Lets see now to read write upload file out of now.
1	-> if we do: wad-free ('/etc/paused')
-	union select null, username, null, null, null
-	-> then this shows all info of letc/paused
-	
	-> even the it wasn't in db.
	A Tomalian
4	A Towrite:
	-> Select nul, 'example, example', null, null, null
	into outfile / var/www/mutillidae/example.txt
	> :0
-	-> if we run this, it'll store the text example example
	into example txt at the cocation mentioned.
	-> this only happens if you have permission to write
	to that cocation.
2	SOLMAD
-	
	> tool designed to exploit sqlinjections worms we many databases
	Works w/ many databases
	⇒ do: (you need a url} that has usurname, passetc)  → # sqlmap -u "Ecomplete url?"
10	-> # salmap -u "scomplete url?"
7	
3	· this looks thru all injectable parametell
1	

Subject:	
-> it will tell which parameters are injectable	
-> shows all available databases	
A sqlmap " " cyrrent-db	
by the survent database	
(dato bay)	سرا سرا
Shows all tables in db oswasp10	
-D OBJOSP10	
Shows all columns in accounts table	
1) 11 columns - T accounts	
=D OWOUDIOdump	
shows all the data stored	
XSS - Cross Site Scripting Vulns	
Colleges on alleges to history and history	_
Scode is executed on a dient & not the server	
C) executed when forge wads	
o Three types:	
O Stored XSS	_
@ Reflected XSS  3 DOM band XSS	

2-	PAGE NO ( )
	Subject:
-3	* Discover X28:
-3	-> browser thru the target
-3	-> toy to inject into rext boxes
-3	- or well
-3	
3	→ Reflected X8S
3	5 non persistent, not stored
3	4) only works if target visits a specifically
-3	crafted USL.
3	·
3	-> Stored XSS
3	is pursistent, stored on the fage or DB
3	injected code is executed everytime the page is
-	Waded
3	
3	Zed Attack Proxy (ZAP)
	=> automatically find unherabilities in websites
2	Tree & easy to me
1	L) can also be used for manual testing
	6 cant be fully trysted
	, ,
	★ open hali → Zab (ZAP)
	-> set the url website
	-> you can modify options of san
3 3 3	-> you can modify options of san -> can exit   create new policies
	-> once scan is done, you'll find alerts & the
	discovered vulnerabilities.
7	Cud June 22nd, 2025
	- Dirou
1	Conver Service