HTML DIFETTION

* An HTML cade is injected into a web app.

* Rendered by the Browser => client

side anala

side allecte. * Exploits plans in the applicationse pager. I user Duput for web

* time to modify appearance of a web

* Thicking user to interact with fale contents.

* User provider input to the app.

* The input is not carrifized, then malacious input can get injected into the page

* The metacions infinit is in the form of HTML code which & handered

Example - und when seebouilles \$ cal Huli.php form data core terre metrod in fames of cohen your enters a < htul> Unk, brancer governotor 2 body> get is used < shub \$ - REQUEST['nickname']; epan keep the gata </body> </4/my> Golo Poar (www/html/ create a dir Were htmlinjection ed htmlinjection & peres ine fice htmli. php were

Cel your Kali ip. Start appellez Beruice sigstemeth status apachez terrice & eyslemick start apashez. Lewice Now open fixefox browser in kali
Go to we bar & type zip of halis/htmlinjection/htmli, php you will see Melcome 1 Now on URL bar fass inful i.e., kali-ip/htenlinjection/htmli.php?nickname= of Lorhbac </br So try This you type in here, gets reflected back.

* If you look at Houli, php, you'll notice of echo & REQUEST['nickname]; Enforgebel attay mal sollecte Sala Jean multiple sources like form cubuittions UKL haramaliers we are echoing user infini Now because wis user inful is not being tenalized I can actually add any melacious code of ... grickname=26>kbee2/67 the soulle code Rt. dick & look al of the page.

See the scho sine is traplaced by user infiel.

The melacions user can also do ~ ? nichname = click here < a tof: "http://google.com"> ... znichname = elick Here https:// Note: _ write above injection parameter. It works. * if you try to write it on Burp it faik. * Set interception on Burp. * While this on URL the intercepted begins What you can do is the fecologe shuth in place of google. com H 15 encoded リ → 1,23 < → 7,3C > → 7,3E lo Eucode space -> 1,20 & -> %26 7/3 ? nickname = < 9 http://google.com"> click. ?nickname=13ca1.29heaf=1.22http://google.com become 202/3Edicky. 20 Here 7.349/3E

warfour Intul infection (htaultage 2 Houl7 Here time method is not selected applicating specified and experience of the selection of t 2 booky7 action=11'> form data is appointed cinpul type = "hidden" in the form name="cecesionid"
value="<7php echo & REQUESTC'SID']; output 1 Klelcome | Please Cogin username: <inful type="text" Username: [name="username"> 2667 heword: [Password: cinful type = "password" name=pass > 2647 ~inful type "cuburi" valud's lagin's </body>
</body>
</body>

HTML. Form is cometury where you can that add fields like lest boxes, labels, hadio blue, buttons etc.

action="/" mean when the form to submitted, the data will be cent to the tool of the source that they have mend point. That like zer for the form submission at this will a action is specified, the form the current will submit to the current page by default.

simpul? types of input fisher.

pre common auxibutes of infinit tag are
type, name, id, value,
type can be text, password, sadio, submit, ...

In the code, we have username four box password to box Euburi Button & a hidden field could sessionid its value is based on user input On whe bar type < Kali i pr/htmlinjection/htmltagez.php youll se me page & Now Type - htmltagei. php? Cid = Kouf wowing appeared on page * Next type a " at the end of URL to. Niew page tource, you'll tee a "ail the end of "Kamp" * Thy placing different symbols like ">

They placing different symbols like ">

Lik

Lat us try it on DUWA

* DUWA is a deliberating vulnerable web Aff.

* Used to practice web app counity testing
in a safe environment.

* Open Lource

* Adjustable Escurity lovels

* Surp Suite, OWASP ZAP can be fested & fracticed on DUWA.

* Common Vulherabilities

· HTML Day

o SQL Juy

0 X-55

o CSRF

o Command Jup

o file Inclusion

Open M2 & kali · Goto firefox on kali . Type ip addr of M2 on · Click on DUWA password : password. ogoto XSS Reflected Type on text Box of: Halla Rang Type 2h1>Roug </h1> of Rauf as in Heading ca haf="http://google.com"> click Me Hello click Me will be will be will be will be will be will you will be teditected to google, com

VIEW Source Byy for low security echo Hello. \$-GET ['name'] This is a superglobal (builting lobal array) in php If directly betreiver of processes data without any validation. If the Late is a valid HTML code, it simply is bandered! for Medium Security echo 'Hello' . str_splace ('¿ccrip! > , 11 &-GET ['name']), This live beplaces exchipts by an empty space- but still nees \$-GET[] 2) vulnerable bog high Geamity There stimbspecialchars () for 18 used. This for ensures that chars like 4,7,8,11 are treated as plain teal instead of script being interpoled on HTML or Jawa Script by the browler