

WordPress Güvenliđi

written by Mert SARICA | 2 September 2019

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Neredeyse 10 yıla yakın bir süredir siber güvenlik üzerine arařtırmalar yapıp, öğrendiklerimi yazmaya, sizlerle paylaşmaya devam ediyorum. Sizlerden gelen geri bildirimlere baktığımda çođunluđunuzun yazdıklarımın faydalandığını görmek beni bir hayli mutlu ediyor. Kimi zaman özünde kötü niyet olmayıp sadece bana mesaj vermek için bloguma ufak çaplı siber saldırı (Örnek: DoS ile Mücadele yazısı) gerçekleřtirenler, ařağıdaki gibi yönetici giriři yapmayı deneyenler olsa da bazen tam olarak sebebini ve niyetini anlayamadığım saldırılarla da karřılařıyorum. Bundan yola çıkarak ben de bu yazımda, bu saldırılardan birini nasıl tespit ettiđime ve benim gibi WordPress CMS kullananların bloglarını nasıl güvenli hale getirebilecekleri ile ilgili ipuçları vermeye karar verdim.

<input type="checkbox"/>	Lockout	138.204.71.226	21 September, 2018 01:48	Used an invalid username 'MERTSARICAadmin' to try to sign in.	20 November, 2018 01:48	1	21 September, 2018 01:48
<input type="checkbox"/>	Lockout	202.137.154.225	20 September, 2018 20:49	Used an invalid username 'adminMERTSARICA' to try to sign in.	19 November, 2018 20:49	1	20 September, 2018 20:49
<input type="checkbox"/>	Lockout	168.90.143.169	20 September, 2018 20:49	Used an invalid username 'adminMERTSARICA' to try to sign in.	19 November, 2018 20:49	1	20 September, 2018 20:49
<input type="checkbox"/>	Lockout	115.84.91.17	20 September, 2018 20:49	Used an invalid username 'adminMERTSARICA' to try to sign in.	19 November, 2018 20:49	1	20 September, 2018 20:49
<input type="checkbox"/>	Lockout	180.183.247.248	20 September, 2018 19:07	Used an invalid username 'MERTSARICA_admin' to try to sign in.	19 November, 2018 19:07	1	20 September, 2018 19:07
<input type="checkbox"/>	Lockout	143.255.153.156	20 September, 2018 19:07	Used an invalid username 'MERTSARICA_admin' to try to sign in.	19 November, 2018 19:07	1	20 September, 2018 19:07
<input type="checkbox"/>	Lockout	143.255.153.88	20 September, 2018 17:40	Used an invalid username 'adminMERTSARICA' to try to sign in.	19 November, 2018 17:40	1	20 September, 2018 17:40
<input type="checkbox"/>	Lockout	187.190.239.214	20 September, 2018 17:28	Used an invalid username 'adminMERTSARICA' to try to sign in.	19 November, 2018 17:28	2	12 October, 2018 00:48
<input type="checkbox"/>	Lockout	5.133.62.29	20 September, 2018 17:28	Used an invalid username 'adminMERTSARICA' to try to sign in.	19 November, 2018 17:28	1	20 September, 2018 17:28
<input type="checkbox"/>	Lockout	██████████	5 September, 2018 15:26	Used an invalid username 'Antalya\đan selamlar! - Anil Karagenc' to try to sign in.	4 November, 2018 15:26	1	5 September, 2018 15:26
<input type="checkbox"/>	Lockout	██████████	5 September, 2018 11:22	Used an invalid username 'Seviliyorsunuz.' to try to sign in.	4 November, 2018 11:22	1	5 September, 2018 11:22
<input type="checkbox"/>	Lockout	██████████	31 August, 2018 15:55	Used an invalid username 'hocam cekilis' to try to sign in.	30 October, 2018 15:55	1	31 August, 2018 15:55

Öncelikle WordPress ile ilgili istatistikî bilgilere yer vermek gerekirse, WordPress dünya genelinde en çok kullanılan içerik yönetim sistemidir ve CMS

dünyasının ~%60'ına hakimdir. İnternet genelindeki web sitelerinin ~%33'ünde yine WordPress kullanılmakta olup ~55.000'den fazla yakın eklentisi bulunmaktadır. Yıllar içinde WordPress üzerinde tespit edilen zafiyet türleri değişiklik gösterse de bu zamana kadar en çok tespit edilen zafiyet türü Cross-Site Scripting (XSS)'dir. WordPress zafiyet veritabanına baktığımızda ise WordPress'in kendi kodlarında (core) ve eklentilerinde bu zamana dek 15.000'den fazla zafiyet tespit edildiğini görebiliyoruz.

WordPressler'in genel olarak nasıl hacklendiğine baktığımızda çoğunlukla güvensiz barındırma firmaları/hizmetleri, zayıf yönetici parolası, güncel olmayan sürüm, eklentiler, temalar ve arka kapı içeren korsan temalar (Örnek: Arka Kapı Avı yazısı) kaynaklı olduğunu görüyoruz.

Benim de zayıf yönetici parolalarını tespit etmek için denenen wp-admin sayfam her ne kadar internete açık olsa da uzun yıllardır Duo Two-Factor Authentication eklentisinden faydalanarak yönetici girişi için iki faktörlü doğrulama kullanıyorum. Ayrıca Wordfence Security eklentisinden de faydalanarak deneme yanılma saldırıları gerçekleştiren ip adreslerinin otomatik olarak engellenmesini, olası güvenlik zafiyetlerin tespit edilip raporlanmasını da sağlıyorum. Arka kapı içeren temalara karşı da ücretli tema kullanmayı tercih ediyorum. Güvensiz barındırma hizmetleri ile uğraşmamak adına da yine uzun yıllardan beri VPS kullanıyorum.

2018 yılının Temmuz ayında günlerden bir gün yine blogumun Wordfence eklentisinin güvenlik ekranını (dashboard) kontrol ederken, yönetici sayfama deneme yanılma saldırısı (brute-force) yapıp en çok bloklanan ip adreslerinin Türkiye'den olması dikkatimi çekti. IP adreslerinin whois bilgilerini kontrol ettiğimde, tamamına yakınının iDealhosting isimli barındırma servisi sağlayan bir firmaya ait olduğunu öğrendim ve güvenlik araştırması adına bu ip adreslerinden bloguma gerçekleştirilen saldırıları yakından izlemeye karar verdim.



Top 5 IPs Blocked

IP	Country	Block Count
185.86.164.100	TR	14
185.85.238.244	TR	14
185.86.164.103	TR	14
185.86.164.108	TR	13
185.86.164.101	TR	13

[Update Blocked IPs](#)

Top 5 Countries Blocked

Country	Total IPs Blocked	Block Count
TR	120	220
FR	1	13
GB	1	4
UA	1	2

[Update Blocked Countries](#)

Top 5 Failed Logins

Username	Login Attempts	Existing User
admin	7	Yes

[Update Login Security Options](#)

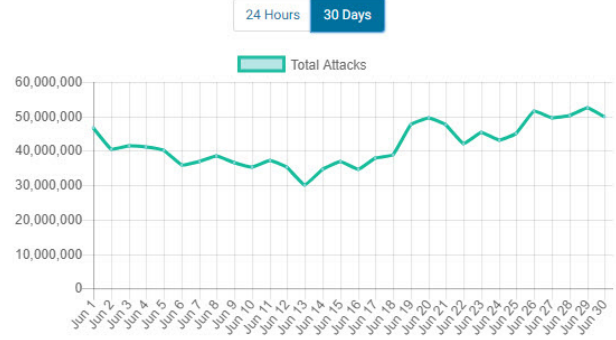
Firewall Summary: Attacks Blocked for www.mertsarica.com

Block Type	Complex	Brute Force	Blacklist	Total
Today	0	34	—	34
Week	19	220	—	239
Month	37	422	—	646

© How are these categorized?

Premium

Total Attacks Blocked: Wordfence Network



Last Updated: 41 mins ago

Top IPs Blocked

24 Hours 7 Days 30 Days

IP	Country	Block Count
194.6.231.251	Ukraine 	48
185.85.239.110	Turkey 	40
5.101.40.93	Russian Federation 	34
185.86.164.100	Turkey 	31
185.86.164.98	Turkey 	30
185.85.238.244	Turkey 	29
185.85.190.132	Turkey 	28
185.119.81.11	Turkey 	27
185.86.164.99	Turkey 	27
185.85.191.201	Turkey 	26















Show more

Top IPs Blocked

24 Hours

7 Days

30 Days

185.85.191.201	Turkey		3
185.85.239.195	Turkey		3
185.86.164.110	Turkey		3
185.86.164.108	Turkey		3
185.86.164.107	Turkey		2
185.119.81.11	Turkey		2
185.86.164.103	Turkey		2
185.85.239.110	Turkey		2
185.86.164.109	Turkey		2
185.86.164.101	Turkey		2
185.86.164.100	Turkey		2
185.119.81.50	Turkey		2
185.86.13.213	Turkey		1
185.86.164.106	Turkey		1

Ekim ayında güvenlik ekranını tekrar kontrol ettiğimde ise deneme yanılma saldırılarının 22 ip adresinden aralıksız olarak devam ettiğini gördüm. Tabii bir güvenlik araştırmacısı olarak aklıma gelen sorulardan ilki bunun bloguma gerçekleştirilen hedeflenmiş bir saldırı girişimi olup, olmadığıydı. Bunu öğrenmenin en kolay yollarından biri deneme yanılma saldırılarında kullanılan parolaları öğrenmekti dolayısıyla vakit kaybetmeden işe koyuldum.

Top IPs Blocked

24 Hours 7 Days **30 Days**

IP Address	Country	Count
185.119.81.111	Turkey	41
185.85.239.195	Turkey	40
185.86.164.104	Turkey	40
185.119.81.50	Turkey	38
185.85.191.201	Turkey	38
185.86.13.213	Turkey	37
185.86.167.4	Turkey	36
185.86.164.109	Turkey	36
185.86.164.99	Turkey	35
185.85.238.244	Turkey	35
185.86.164.107	Turkey	29
185.86.164.110	Turkey	27
185.86.164.103	Turkey	27
185.85.191.196	Turkey	21

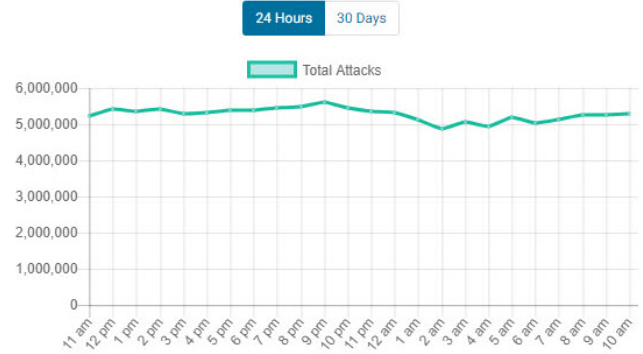
Firewall Summary: Attacks Blocked for www.mertsarica.com

Block Type	Complex	Brute Force	Blacklist	Total
Today	0	51	—	51
Week	6	257	—	324
Month	8	2.822	—	2.896

Premium

How are these categorized?

Total Attacks Blocked: Wordfence Network



Email Share

IP Tools

Decimal IP Calculator

ASN Information

CIDR/Netmask

What's your IP

IP Geo-location Lookup

IPWHOIS Lookup

WHOIS IP Lookup Tool

The IPWHOIS Lookup tool finds contact information for the owner of a specified IP address.

Enter a host name or an IP address:

185.86.13.213

Go »

Related Tools: [DNS Traversal](#) [Traceroute](#) [Vector Trace](#) [Ping](#) [WHOIS Lookup](#)

```
Source: whois.ripe.net
IP Address: 185.86.13.213

% This is the RIPE Database query service.
% The objects are in RPSL format.
%
% The RIPE Database is subject to Terms and Conditions.
% See http://www.ripe.net/db/support/db-terms-conditions.pdf

% Note: this output has been filtered.
% To receive output for a database update, use the "-B" flag.

% Information related to '185.86.13.0 - 185.86.13.255'

% Abuse contact for '185.86.13.0 - 185.86.13.255' is 'abuse@idealhosting.net.tr'

inetnum:        185.86.13.0 - 185.86.13.255
netname:        ideal-Net
descr:          IDEAL HOSTING SUNUCU INTERNET HIZM. TIC. LTD. STI
remarks:        http://www.idealhosting.net.tr
country:        TR
org:            ORG-IHSI2-RIPE
admin-c:        TO1964-RIPE
tech-c:         FY267-RIPE
status:         LIR-PARTITIONED PA
mnt-by:         IDEALHOSTING-MNTNER
mnt-lower:      IDEALHOSTING-MNTNER
remarks:
remarks:        Abuse & intrusion reports should
remarks:        be sent to: abuse@idealhosting.net.tr
created:        2016-10-28T08:45:52Z
last-modified: 2016-10-28T08:45:52Z
source:        RIPE

organisation:   ORG-IHSI2-RIPE
org-name:       IDEAL HOSTING SUNUCU INTERNET HIZM. TIC. LTD. STI
org-type:       Other
address:        Agaoglu 212 MyOffice K.19 D.314-315-316 Gunesli, Bagcilar / ?STANBUL
phone:          +902127060300
abuse-c:        IH1624-RIPE
```

Domain and IP bulk lookup tool x +

https://www.infobyip.com/ipbulklookup.php

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Additional DNS record type to lookup for domains CNAME Lookup

IP	Domain	Country	Region	City	ISP	ASN	CNAME
185.85.190.132	132-190-85-185.ip.idealhosting.net.tr	Turkey			Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.85.191.196	near.localoffersforyou.com	Turkey			Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.85.191.201	201-191-85-185.ip.idealhosting.net.tr	Turkey			Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.85.238.244	server.techajans.net	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.85.239.110	110-164.86.185.ip.idealhosting.net.tr	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.85.239.195	195-164.86.185.ip.idealhosting.net.tr	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.13.213	213-13-86-185.ip.idealhosting.net.tr	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.100	visualpleasures.net	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.101	dddh.visualpleasures.net	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.102	endy.significanttime.com	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.103	adcore.phicalyon.net	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.104	opark.phicalyon.net	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.106	momdot.emcyc town.net	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.107	kabaya.emcyc town.net	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.108	necessary.generositycool.com	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.109	generositycool.com	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.110	generositycool.com	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.111	waitfall-rush.generositycool.com	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.98	vinculus.visualpleasures.net	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.164.99	bellsouth.visualpleasures.net	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	
185.86.167.4	4-189-85-185.ip.idealhosting.net.tr	Turkey	34	Istanbul	Ideal Hosting Sunucu Internet Hiz. Tic. Ltd. Sti.	AS29262	

Download csv

İlk olarak wp-login.php dosyasına yapılan hatalı giriş denemelerini parola ile birlikte diske kayıt eden bir PHP kodu hazırladım. Ardından bu kayıt edilen dosyadaki değişikliklerden de anlık olarak haberdar olabilmek için OSSEC HIDS üzerinde küçük bir tanım yaptım.

```

GNU nano 2.9.3 ..wp-login.php
/**
 * Filters the login page errors.
 * @since 3.6.0
 * @param object $errors WP Error object.
 * @param string $redirect_to Redirect destination URL.
 */
$errors = apply_filters( 'wp_login_errors', $errors, $redirect_to );

// Clear any stale cookies.
if ( $reauth )
    wp_clear_auth_cookie();

login_header(__( 'Log In' ), '', $errors);

if ( isset( $_POST['log'] ) )
    $user_login = ( ! incorrect_password' == $errors->get_error_code() || 'empty_password' == $errors->get_error_code() ) ? esc_attr( wp_unslash( $_POST['log'] ) ) : '';
    $rememberme = ! empty( $_POST['rememberme'] );

if ( ! empty( $errors->errors ) ) {
    $aria_describedby_error = 'aria-describedby="login_error"';
} else {
    $aria_describedby_error = '';
}

if( $_REQUEST ) {
    if( isset( $_POST['pwd'] ) && isset( $_POST['log'] ) ) {
        error_log( print_r( date( 'd-m-Y H:i:s', $_SERVER['REQUEST_TIME'] ), true ) . " [Failed Password] client: " . print_r( $_SERVER['REMOTE_ADDR'], true ) .
            " username: " . print_r( $_POST['log'], true ) . " password: " . print_r( $_POST['pwd'], true ) .
            " useragent: " . print_r( $_SERVER['HTTP_USER_AGENT'], true ) . "\n\n", 3, "/var/www/...txt");
    }
}

?>
<form name="loginform" id="loginform" action="<?php echo esc_url( site_url( 'wp-login.php', 'login_post' ) ); ?>" method="post">
<p>
<label for="user_login"><?php _e( 'Username or Email Address' ); ?><br />
<input type="text" name="log" id="user_login"><?php echo $aria_describedby_error; ?> class="input" value="<?php echo esc_attr( $user_login ); ?>" size="20" /></label>
</p>
<p>
<label for="user_pass"><?php _e( 'Password' ); ?><br />
<input type="password" name="pwd" id="user_pass"><?php echo $aria_describedby_error; ?> class="input" value="" size="20" /></label>
</p>
<?php
/**
 * Fires following the 'password' field in the login form.
 * @since 2.1.0
 */
do_action( 'login_form' );
?>
<p class="forgetmenot"><label for="rememberme"><input name="rememberme" type="checkbox" id="rememberme" value="forever" <?php checked( $rememberme ); ?> /> <?php esc_html_e( 'Remember Me' ); ?></label><input type="submit" name="wp-submit" id="wp-submit" class="button button-primary button-large" value="<?php esc_attr_e( 'Log In' ); ?>" />
</p>
<?php if ( $interim_login ) { ?>
<?php <input type="hidden" name="interim-login" value="1" />
<?php } else { ?>
<?php <input type="hidden" name="redirect_to" value="<?php echo esc_attr( $redirect_to ); ?>" />
<?php if ( $customize_login ) { ?>
<?php <input type="hidden" name="customize-login" value="1" />
<?php endif; ?>
<input type="hidden" name="testcookie" value="1" />
</p>

```

```

<include>trend-osce_rules.xml</include>
<include>ms-se_rules.xml</include>
<!-- <include>policy_rules.xml</include> -->
<include>zeus_rules.xml</include>
<include>solaris_bsm_rules.xml</include>
<include>vmware_rules.xml</include>
<include>ms_dhcp_rules.xml</include>
<include>asterisk_rules.xml</include>
<include>ossec_rules.xml</include>
<include>attack_rules.xml</include>
<include>dropbear_rules.xml</include>
<include>unbound_rules.xml</include>
<include>sysmon_rules.xml</include>
<include>opensmtpd_rules.xml</include>
<include>exim_rules.xml</include>
<include>openbsd-dhcpd_rules.xml</include>
<include>local_rules.xml</include>
<include>http_dos_rules.xml</include>
</rules>

<syscheck>
<!-- Frequency that syscheck is executed -- default every 20 hours -->
<frequency>72000</frequency>

<!-- By default a file mod 3 times stops reporting. Shut off. -->
<auto_ignore>no</auto_ignore>

<!-- Directories to check (perform all possible verifications) -->
<directories check_all="yes">/etc,/usr/bin,/usr/sbin</directories>
<directories check_all="yes">/bin,/sbin,/boot</directories>

<!-- :.txt -->
<directories report_changes="yes" realtime="yes" check_all="yes">/root/ </directories>
<directories report_changes="yes" realtime="yes" check_all="yes">/var/www/ </directories>

<!-- Files/directories to ignore -->
<ignore>/etc/mtab</ignore>
<ignore>/etc/hosts.deny</ignore>
<ignore>/etc/mail/statistics</ignore>
<ignore>/etc/random-seed</ignore>
<ignore>/etc/random.seed</ignore>
<ignore>/etc/adjtime</ignore>
<ignore>/etc/httpd/logs</ignore>

<!-- Check the file, but never compute the diff -->
<nodiff>/etc/ssl/private.key</nodiff>
</syscheck>

<rootcheck>
<rootkit_files>/var/ossec/etc/shared/rootkit_files.txt</rootkit_files>
<rootkit_trojans>/var/ossec/etc/shared/rootkit_trojans.txt</rootkit_trojans>
</rootcheck>

```

Ekim ayının sonu ve Kasım ayı boyunca kayıt altına alınan hatalı kullanıcı adı ve parola denemelerine baktığımda, denenen kullanıcı adı ve parolaların sözlükte yer alan sıradan kelimeler yerine blog yazılarımda geçen kelimelerden oluştuğunu öğrendim. Bu bilgi benim için hedeflenmiş bir saldırı girişimi olduğuna işaret ediyordu.

OSSEC Alert - Batcave - Level 7 - Integrity checksum changed. > Ossec x

OSSEC HIDS @mertsarica.com via to me Thu, Nov 29, 2018, 6:41 AM

OSSEC HIDS Notification.
2018 Nov 29 06:41:34

Received From: Batcave->syscheck
Rule: 550 fired (level 7) -> "Integrity checksum changed."
Portion of the log(s):

Integrity checksum changed for: '/var/www/ :.txt'

What changed:

1280a1281

> 29-11-2018 03:41:33 [Failed Password] Client: 185.85.191.196 Username: nopcon Password: nopcon UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36

Old md5sum was: 'ba37834ada8a5e9e2130bb7cc510e1e2'

New md5sum is: '4eeb500b9f5a3f1c89066dd8c0113c6f'

Old sha1sum is: '49b33eadc40d043b238f2835a78f5201a1990722'

New sha1sum is: '5f4ce34ec958b65fda0efbe516f6a4b61a5e18ea'

--END OF NOTIFICATION


```

root@batcave:/var/ # head -n 80 .txt | grep 185.
26-10-2018 18:52:08 [Failed Password] Client: 185.86.164.101 Username: admin Password: hedef UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
26-10-2018 21:24:54 [Failed Password] Client: 185.86.164.98 Username: admin Password: oyunda UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
26-10-2018 21:58:22 [Failed Password] Client: 185.86.164.100 Username: kimin Password: kimin UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
26-10-2018 22:40:00 [Failed Password] Client: 185.86.164.104 Username: Fakt Password: Fakt UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 01:08:40 [Failed Password] Client: 185.86.164.106 Username: admin Password: zaman UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 01:43:35 [Failed Password] Client: 185.86.164.110 Username: kas Password: kas UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 02:16:56 [Failed Password] Client: 185.85.239.110 Username: admin Password: immunity UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 02:29:39 [Failed Password] Client: 185.85.239.110 Username: admin Password: havayolu UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 03:48:26 [Failed Password] Client: 185.86.164.99 Username: admin Password: uluda UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 04:03:22 [Failed Password] Client: 185.86.164.106 Username: ertsarica Password: ertsarica UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 04:20:38 [Failed Password] Client: 185.86.164.106 Username: tsaric Password: tsaric UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 04:43:01 [Failed Password] Client: 185.86.167.4 Username: admin Password: nyaca UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 06:09:38 [Failed Password] Client: 185.86.164.109 Username: bildi Password: bildi UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 06:49:47 [Failed Password] Client: 185.86.164.108 Username: venli Password: venli UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 07:02:05 [Failed Password] Client: 185.85.239.195 Username: control Password: control UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 07:06:58 [Failed Password] Client: 185.86.164.107 Username: admin Password: esnas UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 07:15:52 [Failed Password] Client: 185.85.191.201 Username: hem Password: hem UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 07:34:13 [Failed Password] Client: 185.86.164.99 Username: venli Password: venli UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 09:25:13 [Failed Password] Client: 185.86.164.100 Username: fatmal Password: fatmal UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 09:30:33 [Failed Password] Client: 185.85.238.244 Username: sarica Password: sarica UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 09:53:18 [Failed Password] Client: 185.86.13.213 Username: admin Password: ederim UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 10:07:53 [Failed Password] Client: 185.86.164.103 Username: bankac Password: bankac UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 10:23:36 [Failed Password] Client: 185.86.164.102 Username: admin Password: control UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 10:36:49 [Failed Password] Client: 185.86.164.104 Username: admin Password: fakt UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 10:52:28 [Failed Password] Client: 185.85.190.132 Username: admin Password: tsari UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 11:13:48 [Failed Password] Client: 185.86.164.106 Username: toka Password: toka UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
27-10-2018 11:53:24 [Failed Password] Client: 185.86.164.98 Username: merts Password: merts UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36

```

2019 yılının Şubat ayında denenen parolalara tekrar baktığımda ise bu defa 2009 yılında hacklenen Rockyou.com sitesinin veritabanından elde edilen parolaların denenmeye başladığını gördüm.

```

root@batcave:/var/www/ # tail -n 20 .txt | grep 185.
04-02-2019 02:09:32 [Failed Password] Client: 185.86.164.101 Username: admin Password: isabel UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 02:49:19 [Failed Password] Client: 185.86.13.213 Username: admin Password: mustang UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 04:16:08 [Failed Password] Client: 185.86.164.106 Username: admin Password: isabel UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 05:35:39 [Failed Password] Client: 185.85.238.244 Username: admin Password: isabel UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 06:51:01 [Failed Password] Client: 185.86.164.104 Username: admin Password: natalie UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 07:50:08 [Failed Password] Client: 185.85.239.195 Username: admin Password: natalie UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 09:04:34 [Failed Password] Client: 185.86.164.99 Username: admin Password: natalie UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 09:05:50 [Failed Password] Client: 185.86.164.106 Username: admin Password: cuteako UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 10:26:03 [Failed Password] Client: 185.85.238.244 Username: admin Password: cuteako UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 10:41:51 [Failed Password] Client: 185.85.191.201 Username: admin Password: cuteako UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 11:25:17 [Failed Password] Client: 185.85.239.110 Username: admin Password: javier UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36
04-02-2019 14:20:38 [Failed Password] Client: 185.86.164.104 Username: admin Password: javier UserAgent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/51.0.2704.103 Safari/537.36

```

About 1,220 results (0.43 seconds)

[distributed-password-cracking/passwords.txt at master ... - GitHub](#)

<https://github.com/brannondorsey/distributed-password-cracking/blob/.../passwords.txt>

karen. mustang. isabel. natalie. cuteako. javier. 789456123. 123654. sarah. bowwow. portugal. laura. 777777. marvin. denise. tigers. volleyball. jasper. rockstar.

Images for cuteako javier natalie password



[→ More images for cuteako javier natalie password](#)

[Report images](#)

[python-pentesting/passwords.txt at master · jmortega/python ... - GitHub](#)

<https://github.com/jmortega/python-pentesting/blob/master/passwords.txt>

password. iloveyou. princess. 1234567. 12345678. abc123. nicole. daniel natalie. cuteako. javier. 789456123. 123654. sarah. bowwow. portugal. laura.

[Common Passwords - npm](#)

<https://www.npmjs.com/signup/common-passwords>

123456 12345 123456789 password iloveyou princess 1234567 12345678 ... brenda adidas kitten karen mustang isabel natalie cuteako javier 789456123 ...

[List of most common passwords - PH4.ORG](#)

https://www.ph4.org/pass_passlist.php

123456; 12345; 123456789; password; iloveyou; princess; 1234567; rockyou ... natalie; cuteako; javier; 789456123; 123654; sarah; bowwow; portugal; laura ...

[123456 12345 123456789 password iloveyou princess ... - MSU CSE](#)

www.cse.msu.edu/~cse231/PracticeOfComputingUsingPython/.../Password.../rockyou.txt

123456 12345 123456789 password iloveyou princess 1234567 rockyou ... brenda adidas kitten karen mustang isabel natalie cuteako javier 789456123 ...

[Openwall's list](#)

www.openwall.com/passwords/wordlists/password-2011.lst

Araştırmamı tamamladıktan sonra daha önce gevşettiğim güvenlik kontrollerini sıkılaştırmak için öncelikle Google Captcha eklentisini yönetici sayfası için etkin hale getirdim. Ardından da Wordfence'in Firewall ayarları sayfasındaki Brute Force Protection bölümünde hatalı kullanıcı adı denemesi yapan ip adresinin otomatik olarak bloklanmasını sağladım.

Google Captcha Settings

Elegant Themes aboneliğinizin süresi doldu. Ürün güncellemelerine ve desteğe tekrar erişim kazanmak için, [hesabınızı yenilemelisiniz](#). Uyumluluk ve güvenliği güvence altına almak için, temalarınızı ve eklentilerinizi her zaman güncel tutmanız ör

Settings

Misc

Custom Code

License Key

Google Captcha Settings

Need Help? [Visit Help Center](#)

Authentication

Register your website with Google to get required API keys and enter them below. [Get the API Keys](#)

Site Key

Secret Key

Test reCAPTCHA

General

reCAPTCHA Version

Version 2

Version 3

Invisible

Enable reCAPTCHA for

WordPress default

Login form

Registration form

Reset password form

Comments form

External Plugins

[Back to Firewall](#)

[RESTORE DEFAULTS](#) [CANCEL CHANGES](#) [SAVE CHANGES](#)

Brute Force Protection

Enable brute force protection

This option enables all 'Brute Force Protection' options, including two-factor authentication, strong password enforcement, and invalid login throttling. You can modify individual options below.

OFF ON

Lock out after how many login failures

5

Lock out after how many forgot password attempts

5

Count failures over what time period

10 minutes

Amount of time a user is locked out

2 months

Immediately lock out invalid usernames

Immediately block the IP of users who try to sign in as these usernames

Hit enter to add a username

Prevent the use of passwords leaked in data breaches

For admins only

Additional Options

Enforce strong passwords

Force admins and publishers to use strong passwords (recommended)

Don't let WordPress reveal valid users in login errors

Bu araştırma sonucunda aylardır blogumu hacklemek için birilerinin uğraştığını üzülererek öğrenmiş oldum. Benim gibi WordPress CMS kullananların ise Google Captcha, Duo Two-Factor Authentication ve Wordfence Security eklentilerini muhakkak kurup düzgün bir şekilde ayarlarını yapmalarını ve ayrıca OSSEC HIDS ile de şüpheli durumlara karşı sistemlerini yakından izlemelerini şiddetle tavsiye ederim.

Bir sonraki yazıda görüşmek dileğiyle herkese güvenli günler dilerim.