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Tutorial Instalasi Fail2Ban & Tips Trick

Fail2ban adalah aplikasi bruteforce detection berdasarkan log file.

Instalasi fail2ban di Centos

```
yum install fail2ban -y
```

Membuat Custom Log File /var/log/fail2ban.log

Defaultnya log fail2ban ada di /var/log/messages dan untuk membuat custom log file fail2ban sbb

```
nano /etc/fail2ban/fail2ban.conf
```

ubah logtarget menjadi seperti ini

```
logtarget = /var/log/fail2ban.log
```

Konfigurasi Fail2Ban Haproxy dan CSF

Kami menggunakan fail2ban untuk membaca log haproxy dan memblokirnya dengan CSF. Log yang kami baca adalah aktifitas login menggunakan mekanisme POST pada url wp-login.php

```
nano nano /etc/fail2ban/filter.d/haproxy-wp.conf
```

kami isi

```
[INCLUDES]
before = common.conf

[Definition]
_daemon = haproxy

failregex = ^.*haproxy\[([0-9]+\)]*: <HOST>:.* "POST /wp-login.php HTTP/1.1"$
ignoreregex =
```

Pastikan anda sudah menguji regular expresion tersebut dengan menggunakan

```
fail2ban-regex /var/log/haproxy.log /etc/fail2ban/filter.d/haproxy-wp.conf
```

dan apabila regex nya benar hasilnya seperti ini

Results

```
=====
```

```
Failregex: 7660 total
```

```
| - #) [# of hits] regular expression
```

```
| 1) [7660] ^.*haproxy\[([0-9]+\)]*: <HOST>:.* "POST /wp-login.php  
HTTP/1.1"$
```

```
`-`
```

```
Ignoreregex: 0 total
```

```
Date template hits:
```

```
| - [# of hits] date format
```

```
| [520991] (?:DAY )?MON Day 24hour:Minute:Second(?:\.Microseconds)?(?:  
Year)?
```

```
`-`
```

```
Lines: 520991 lines, 0 ignored, 7660 matched, 513331 missed  
[processed in 126.74 sec]
```

sekitar 7660 baris match dengan regex tersebut.

selanjutnya adalah membuat jail

```
nano /etc/fail2ban/jail.d/haproxy-wp.conf
```

isi dengan

```
[haproxy-wp]
enabled = true
bantime = 36000
findtime = 120
maxretry = 6
filter = haproxy-wp
logpath = /var/log/haproxy.log
port = http,https
action = csf-ip-deny
```

selanjutnya membuat action yang di integrasikan dengan CSF.

```
nano /etc/fail2ban/action.d/csf-ip-deny.conf
```

isi dengan

```
# CSF / fail2ban integration from The Digital FAQ (digitalFAQ.com)

[Definition]
actionstart =
actionstop =
actioncheck =
actionban = csf -d <ip> Added by Fail2Ban for <name>
actionunban = csf -dr <ip>
```

```
[Init]
name = haproxy-wp
```

From:
<https://www.pusathosting.com/kb/> - **PusatHosting Wiki**

Permanent link:
<https://www.pusathosting.com/kb/linux/fail2ban?rev=1520156717>

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