Monitoring
pastebin.com

HITB Amsterdam 2012 - SIGINT
$ whoami

- Xavier Mertens (@xme)
- Security Consultant
- Security Blogger
- Volunteer for security projects:

- Eurotrash
  Security with Funny Accents
- Brucon
  Hacking for a better world
  www.brucon.org
$ cat disclaimers.txt

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“Do NOT flood pastebin.com”
pastebin.com

- Website where people can store text (a “pastie”) for a certain period of time (10 mins → ∞)
- Focus on developers
- More and more used to spread interesting content anonymously
- ~ 1 new pastie every 2”
My Alerts?

My Alerts

You are allowed to add up to 3 alert keywords to your account. Whenever anyone creates a new public paste which matches your alert keywords, you will be instantly notified via email.

Email Address: pastebin.com@nospam.rootshell.be

Keyword 1: rootshell.be | 0 emails sent | remove keyword

Keyword 2:

Keyword 3:

To confirm that you are not a bot/computer please fill out the captcha below.

Captcha Image: KDN

Enter Captcha:

Update Alerts
What I needed?

- Continuous monitoring
- Regex powa!
- Alerting
- Open
pastemon.pl

- Based on Xavier Garcia’s pastebin.py
- Written on Perl (I like Perl)
- Core features
  - Syslog output (CEF optional)
  - Dump original pastie (backup)
  - Display sample (x cars before/after the hit)
  - Wordpress XMLRPC output
Usage

$ ./pastemon.pl --help
Usage: ./pastemon.pl --config=filepath [--debug] [--help]
<pastemon>
  <!-- Core features -->
  <ignore-case>yes</ignore-case>
  <pid-file>/var/run/pastemon.pid</pid-file>
  <regex-file>regex.conf</regex-file>
  <sample-size>256</sample-size>
  <proxy-config>proxies.conf</proxy-config>
  <dump-directory>/home/pastemon/dump</dump-directory>
  <http-timeout>15</http-timeout>
  <!-- Use Jaro-Winkler distance algorithm -->
  <distance-min>0.95</distance-min>
  <distance-max-size>10240</distance-max-size>
</core>
</pastemon>

<!-- Syslog Output -->
<syslog-output>
  <facility>daemon</facility>
</syslog-output>

<!-- Email Output -->
<smtp-output>
  <smtp-server>127.0.0.1</smtp-server>
  <from>pastemon@rootshell.be</from>
  <recipient>recipient@domain.com</recipient>
  <subject>PasteMon Alert</subject>
</smtp-output>

<!-- Wordpress Output (XMLRPC) -->
<wordpress-output>
  <site>www.myblog.com</site>
  <user>editor</user>
  <password>averystrongpassword</password>
  <category>favorite</category>
</wordpress-output>

<!-- CEF Output (ArcSight) -->
<cef-output>
  <destination>10.0.0.1</destination>
  <port>514</port>
  <severity>3</severity>
</cef-output>
$ cat regex.conf

-----BEGIN RSA PRIVATE KEY-----
-----BEGIN DSA PRIVATE KEY-----
-- phpMyAdmin SQL Dump
-- MySQL dump
-----BEGIN CERTIFICATE-----
-----BEGIN PGP PRIVATE KEY BLOCK-----
\HOIC
enable secret
encrypted password ".*";
user_name
user_password
root:.*:0:0:
root:.*:0:99999:7::
CN=Admin
http://.*:.*[@a-zA-Z0-9-_.][a-zA-Z0-9-_.]
ftp://.*:.*[@a-zA-Z0-9-_.][a-zA-Z0-9-_.]
\?[a-zA-Z0-9-_.]=.*UNION.*SELECT
mysql_connect(}
\..\..\..\..\..\..\..\..\..

Thursday 24 May 12
Monitor Yourself!

- Your (nick)name
- Your logins
- Your IP addresses
- Your domains
- ...

Thursday 24 May 12
Potential leak of data: MySQL Connect Information

Detected 7 occurrence(s) of 'mysql_connect()':

```php

, uses the built-in
; MySQL defaults.
; http://php.net/mysqli.default-socket
mysqli.default_socket =

; Default host for mysql_connect() (doesn't apply in safe mode).
; http://php.net/mysqli.default-host
mysqli.default_host =

; Default user for mysql_connect() (doesn't apply in safe mode).
; http://php.net/mysqli.default-user
mysqli.default_user =

; Default password for mysqli_connect() (doesn't apply in safe mode).
; Note that this is generally a *bad* idea to store passwords in this file.
; *Any* user
```

Source: pastebin.com/raw.php?i=WU0HGkds
Future?

• Support for more “pastebin” sites (not easy)
• Granularity (report leak if # of occurrences > threshold)
• Suggestions are welcome!
Thank You!

Q&A?

http://blog.rootshell.be
http://twitter.com/xme