

2012 Perl Scripts

Outline

Part 1: Log parsing (40%+10%)

Part 2: Plurk Bot (50%+10%)

Part 1: Log Parsing – (1)

- Write a perl program to parse log for ssh bruteforce
- Print the Users and times descending
- Syntax

logparser.pl [-wur] [-h host | -n # | -t # -g filename] [file ...]

- -w mark the user exists in your system
- -u sort by username
- -r sort in reverse order
- -h show only the user attack from the host
- -n show only the user of the most #-th times
- -t show only the # user of the most attacking times
- -g output the graphic instead of text
- files log file(s), if none, read from standard input
- -? You can design any other fancy, fun(ny), or useful functionalitie

Part 1: Log Parsing – (2)

- SSH bruteforce log
 - Only parse these four (plus one) formats
 - Sep 1 15:46:39 NetAdm sshd[65884]: error: PAM: authentication error for illegal user yabc from
 - **1**40.113.235.102
 - Sep 1 17:56:58 NetAdm sshd[86323]: error: PAM: authentication error for illegal user pabcd from
 - **•** 140.113.235.102
 - Sep 6 01:04:07 NetAdm sshd[28362]: error: PAM: authentication error for root from 60.29.39.243
 - Sep 6 01:04:08 NetAdm sshd[2874]: error: PAM: authentication error for root from 60.29.39.243
 - Sep 6 01:11:36 NetAdm sshd[71712]: Failed keyboard-interactive/pam for invalid user bart from
 - 60.29.39.243 port 1625 ssh2
 - Sep 6 01:11:39 NetAdm sshd[20535]: Failed keyboard-interactive/pam for invalid user bash from
 - 60.29.39.243 port 1782 ssh2
 - Sep 6 01:21:25 NetAdm last message repeated 21 times
 - Sep 9 00:06:55 NetAdm sshd[2726]: Invalid user edu29 from 140.127.112.188
 - Sep 9 00:06:55 NetAdm sshd[4556]: Invalid user edu04 from 140.127.112.188
 - Sep 9 00:06:55 NetAdm sshd[187]: Invalid user edu05 from 140.127.112.188

Part 1: Log Parsing – (3)

- Hints
 - Perl Regular Expression
 - Hash
 - Sorting
 - p5-GD
 - Getopt::Std
 - **.** . . .

Part 2: Plurk Bot

- Bot must reply the msg beginning with
 - %Dict%: string
 - %Find%: userid,keyword
- %Dict%: apple
 - Reply the meaning of "apple" in Chinese
- %Find%: userid,apple
 - Reply the url of jeffxx's talks that contain 'apple'

Part 2: Plurk Bot – (2)

- %Dict%:
 - Use ydict's output to reply
 - Only show chinese , no english
 - Reply Each type

```
test]
KK [tεst] DJ [test]
名詞 [C]
1.試驗
      A simple test will show if this is
2.化驗; 化驗法; 化驗劑
      He had a blood test.
         are to have a history test next v
周我們有歷史測驗。
         檢驗; 測驗[(+for/in/on)]
       The doctor tested his ears.
                       test us in maths.
        分析[(+for)]
             )進行測驗[(+for)]
```

Part 2: Plurk Bot – (3)

- %Find%:
 - Search the user's timeline, reply the message containing keyword.
 - Only Need Search 50 Public plurks .



Part 2: Plurk Bot – (4)

- Something Useful
 - http://www.plurk.com/API
 - http://blog.urdada.net/2011/10/28/426/
 - /usr/ports/chinese/ydict
 - **.** . . .