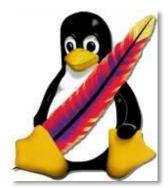


Molecular Biomedical Informatics

MBI 分子生醫資訊實驗室

Web Programming 網際網路程式設計

Environment 環境



http://www.junauza.com/2011/02/using-apache-web-servers-userdir.html

Linux + Apache, of course 當然是 Linux + Apache

Linux vs. Windows

Interface

- kernel/GUI-based
- target users

Functionality

- reliability
- flexibility

Support

- developers
- drivers/games/virus

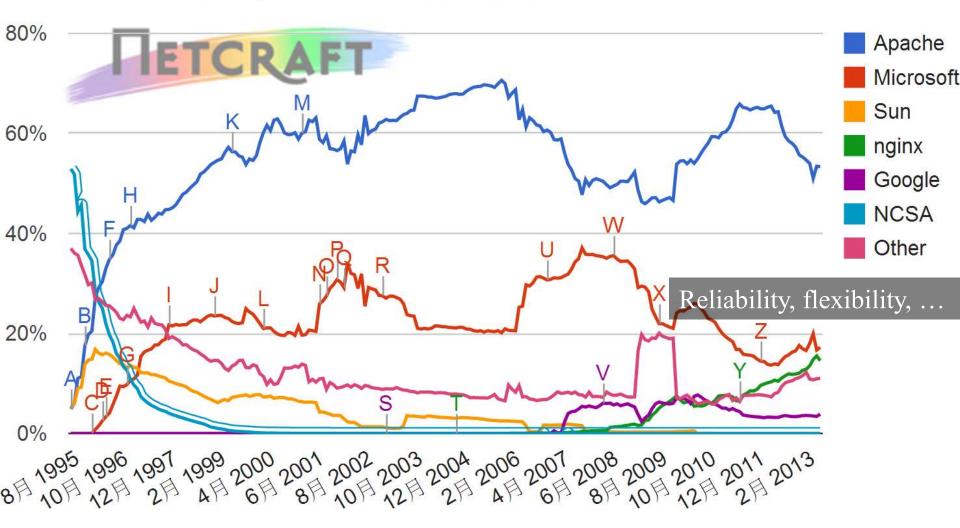
Business

- open source
- pirate copy

Popularity

- users
- habits

Web server developers: Market share of all sites



Various web servers on Linux

- Apache, nginx, Google, etc...
 - scale, flexibility, community support...
 - Apache 2.4 Faster Than Nginx?
 - you can use tools like this to test famous web sites
- They are usually easy to install
 - apt-get install nginx ← why you choose Windows?
- In this course, you don't have to worry about these details. However, if you are interested, welcome to discuss with me.



need to learn Linux?

Don't resist because of resistance 不要為反而反

Then, what to worry about 那麼, 要煩惱什麼呢



It is not that scary

- Download PieTTY and login
 - just like any BBS client (even journalists can use them) with secure shell (SSH)
 - actually, this is the remote desktop (遠端桌面) of Linux
- Make the directory, or folder, to store your web site
 - \$ mkdir public_html ← this name is just a configuration of Apache
- Write a HTML file
 - \$ vi public_html/index.html
 - vi is a legend text editor, see the appendix
 - you may use any FTP client with SFTP support, such as WinSCP
- Now you can see your web site via browsers
 - ttp://merry.ee.ncku.edu.tw/~xxx/



about our environment

Today's assignment 今天的任務

Design an about me page

- Request an account and put a web site online
 - contact TA Kuo via email or Facebook
- Reference
 - see the 11th slide
 - passwd ← remember to change your password / 別忘了先改密碼
 - cd public_html; mkdir ex1; ln -s ex1 cur
 - Showcase of Inspiring "About Me" Pages
 - The Essence Of About Us Page With 12 Captivating Showcases
 - Great Examples of 'About Us' Page Design: A showcase for Inspiration
- Your web site (http://merry.ee.ncku.edu.tw/~xxx/cur/) will be checked not before 23:59 12/2 (Tue). You may send a report (such as some important modifications) to me in case I did not notice your features.



In class demo

I'll demo a few (depending on the time) exercises in each class. However, you can see others' exercises anytime. If you found some techniques interesting, welcome to propose them in class.

Appendix 附錄

vi

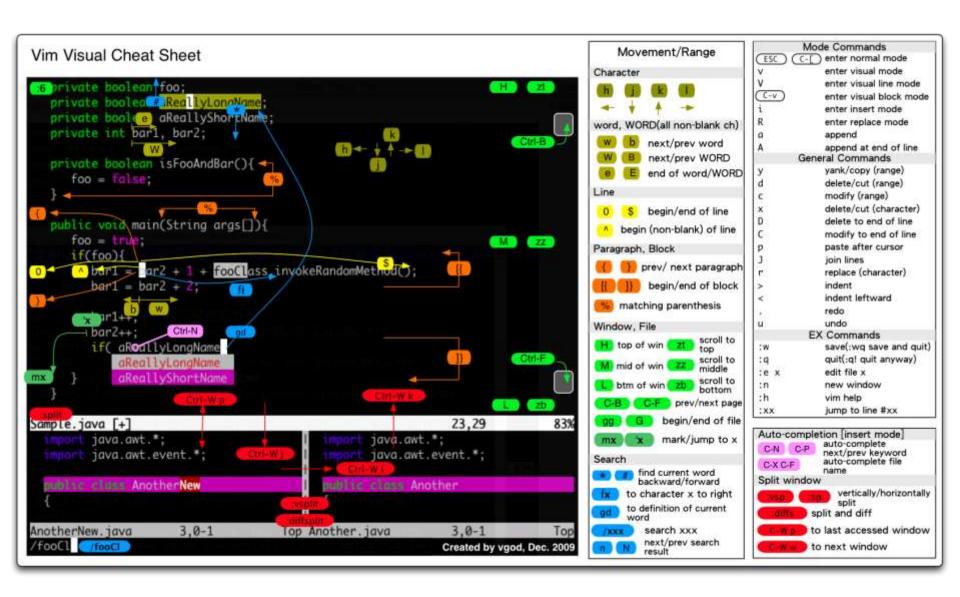
- Regular text editors such as Notepad (記事本)
 - cursor movement/selection (mouse)
 - add/delete/edit text (keyboard)
 - copy/paste (menu or hotkey)
 - easy to learn (learnability)
 - hard to forget (memorability)
 - won't annoy users (satisfaction)
 - Everything looks well? The only problem is the efficiency.

■ Vi

- Two modes, like gears in car.
 The most frustration for rookies is mode error.
- Regular editors actually use 'temporary' modes.
- Split a command into small units, such as character, word, line, screen...
- w (jump to the next word)
- } (jump to the next paragraph)
- Too complicated! What's the benefit?

More vi

- vi separates actions and units
 - dw delete a word
 - y} yank (copy) a paragraph
 - d2w delete two words
 - think about how many hotkeys are required for regular text editors for all these combinations...
- vi has all should-have functionalities
 - split screen, search (regular expression, find previous/next), diff





Reference for vi

- 打造你的專屬VIM Editor
- [HCI] 淺談模式 "mode" 與文字編輯的技術與學 <u>習</u>
- 給程式設計師的Vim入門圖解說明
- Commanding Your Text Editor
- VIM Adventures
- Vimcasts free screencasts about the text editor
 Vim