

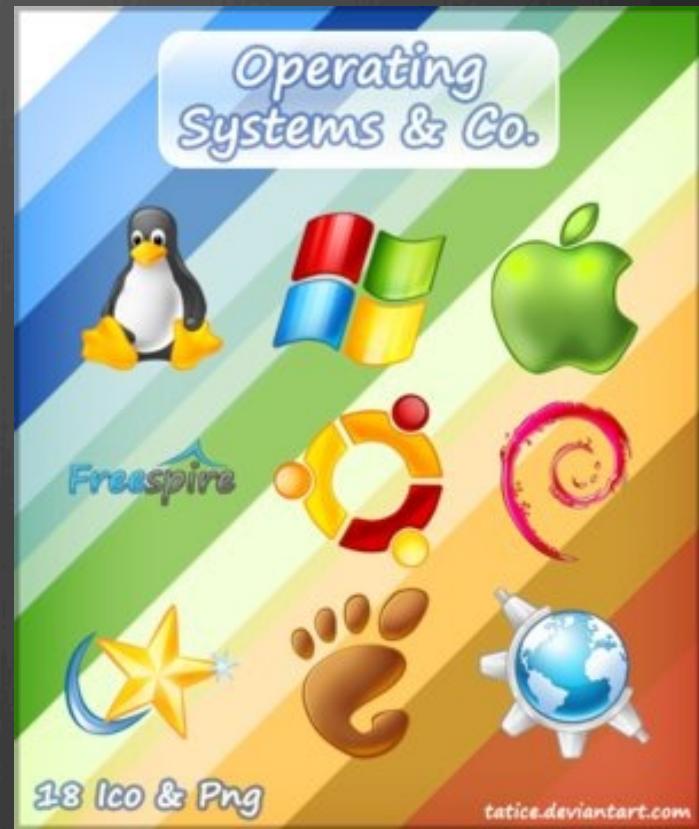
Tools:

The Good, The Bad, The Ugly
The list for new developers

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@mattben

Operating Systems

- ⦿ Windows
 - ⦿ XP
 - ⦿ Vista
 - ⦿ 7
 - ⦿ 8
- ⦿ Mac iOS
 - ⦿ Leopard 10.5
 - ⦿ Snow Leopard 10.6
 - ⦿ Lion 10.7
 - ⦿ Mountain Lion 10.8
- ⦿ Unix
 - ⦿ Debian
 - ⦿ FreeBSD
 - ⦿ Red Hat
 - ⦿ Solaris
- ⦿ Linux
 - ⦿ Fedora
 - ⦿ Slackware
 - ⦿ Ubuntu
 - ⦿ Mint



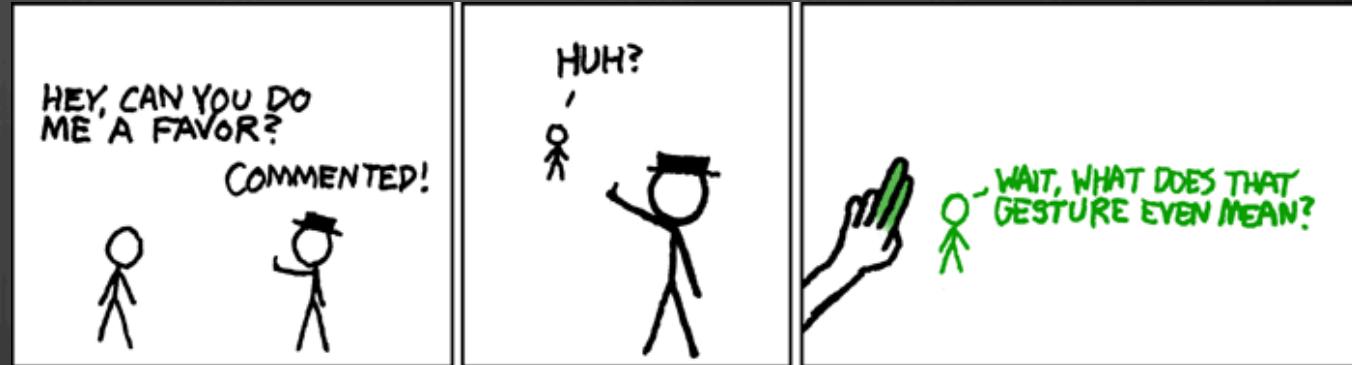
<http://www.by0912.com/2009/12/few-more-operating-systems/>

9. Critically Analyze What You Read and Hear

Don't be swayed by vendors, media hype, or dogma. Analyze information in terms of you and your project.

Integrated Development Environment IDE

- Xcode
- Visual Studios
- Eclipse
- Netbeans
- JDeveloper
- MySQL Workbench; Toad; SQL Server ...



“Your IDE’s color may vary.”

<http://xkcd.com/156/>

21. Use the Power of Command Shells

Use the shell when graphical user interfaces don't cut it.

Development Tools / Text Editors

- Terminal

- bash
- csh
- zsh

- Emacs

- Vim / MVIM

- NerdTree

- Nano / Pico

- Notepad++

- Notepad
- Wordpad



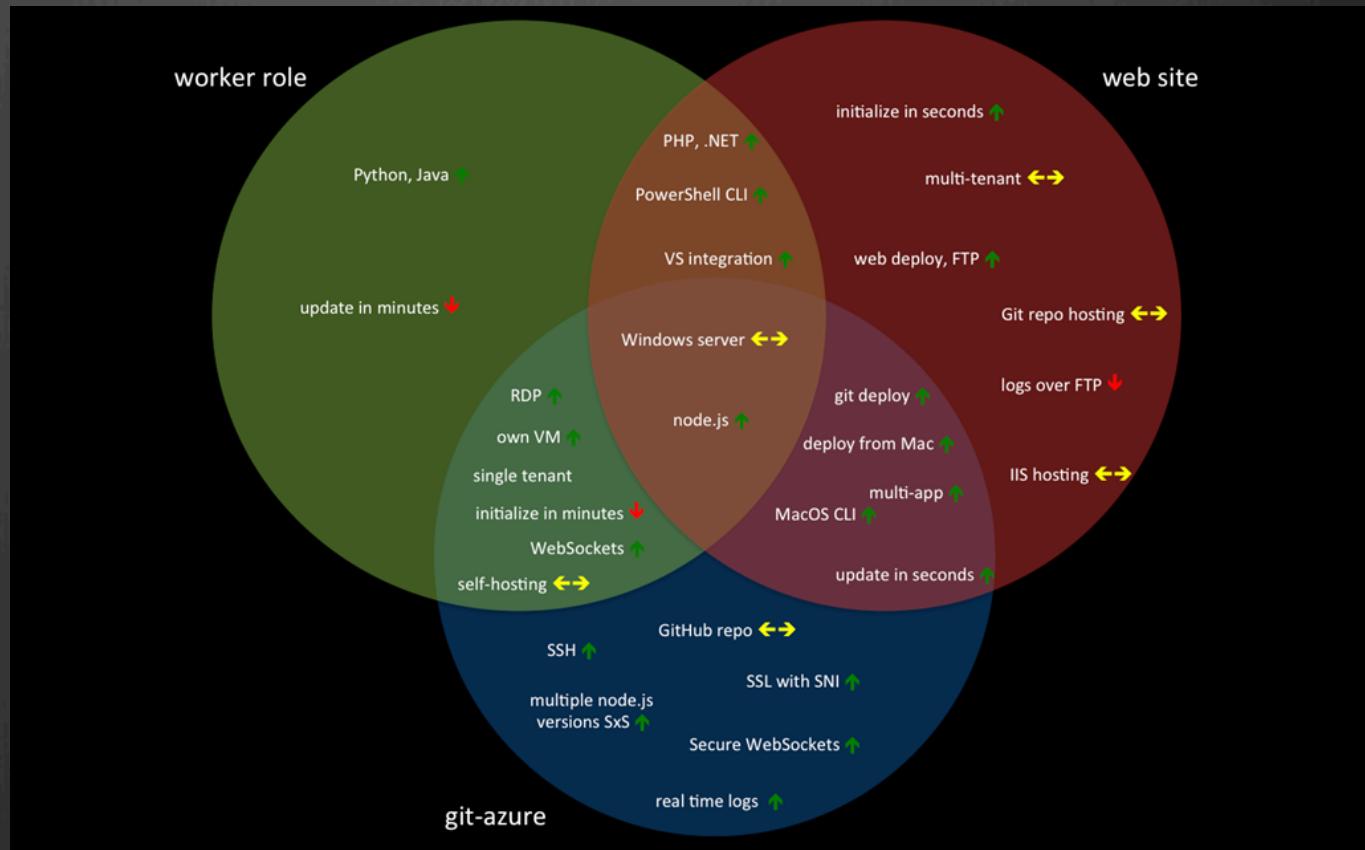
<http://www.howtogeek.com/howto/27604/ask-the-readers-which-text-editor-do-you-use-poll/>

22. Use a Single Editor Well

The editor should be an extension of your hand; make sure your editor is configurable, extensible, and programmable.

Building

- IDE
- Ant
- Mavin
- CMake



<http://tomasz.janczuk.org/2012/06/three-ways-of-deploying-nodejs-apps-to.html>

7. Make Quality a Requirements Issue

Involve your users in determining the project's real quality requirements.

Package Managers

- Linux / Unix
 - Yum
 - Aptitude
 - Portage
 - up2date
- Mac
 - Homebrew
 - MaPorts
- “Real men [people] install from source” ~unknown



<http://blog.program-o.com/2012/06/the-program-o-v2-installation-guide/>

Required Packages

- Apache
- TomCat
- git
- Subversion (SVN)
- MySql



<http://www.visionmobile.com/blog/2010/07/mobile-developer-economics-2010-the-migration-of-developer-mindshare/>

23. Always Use Source Code Control

Source code control is a time machine for your work you can go back.

Optional Packages

- Synergy
 - Fortune
 - R
 - JavaScript
 - Python
 - Ruby
 - Rails
 - Solr

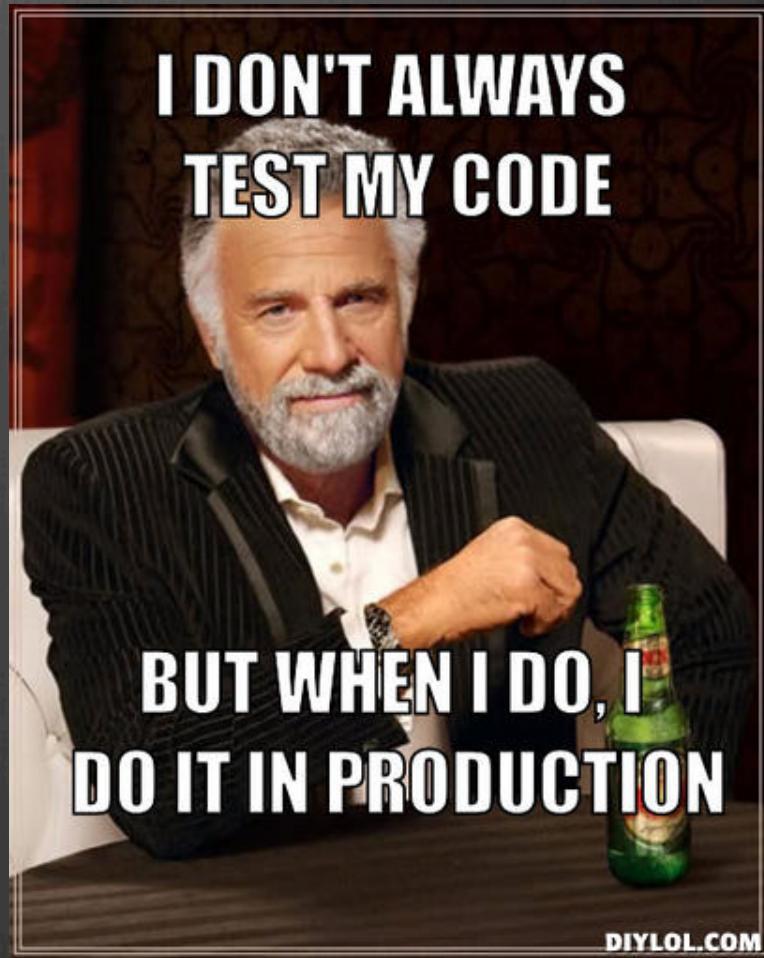


<http://technology-show.blogspot.com/2010/10/significance-of-computer-programming.html>

8. Invest Regularly in Your Knowledge Portfolio
Make learning a habit.

Testing Tools

- JIRA (Atlassian)
- Bugzilla
- OnTime (Axosoft)
- Selenium
- JUnit / NUnit
- Gerrit
- VMware



48. Design to Test

Start thinking about testing before you write a line of code.

Browsers

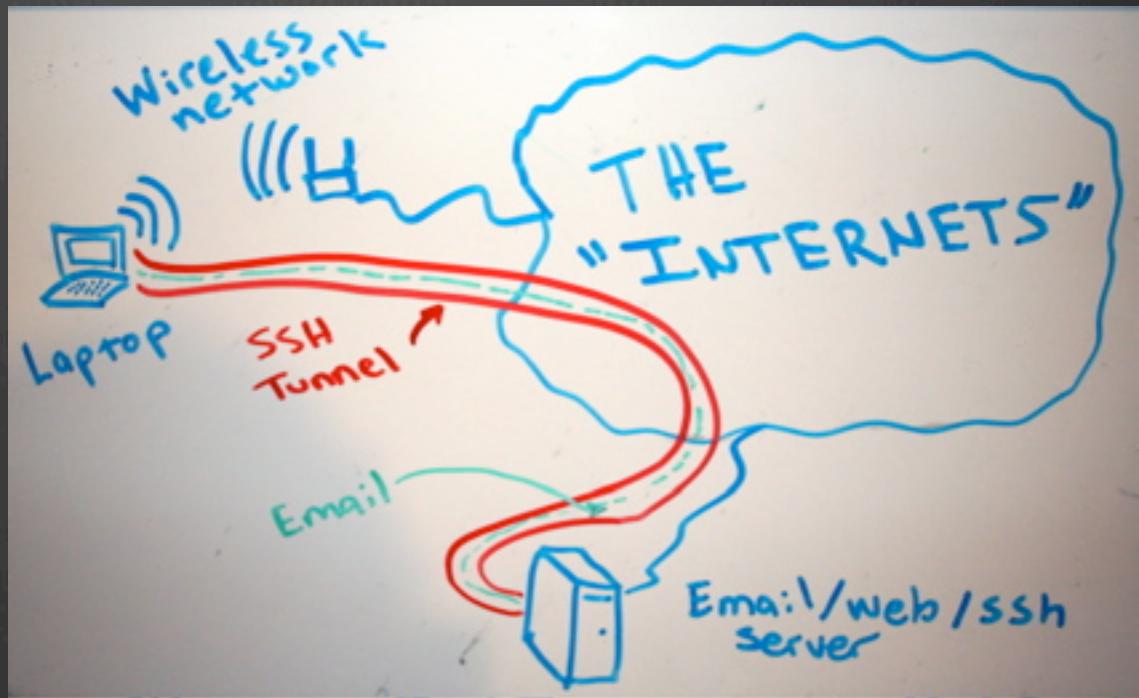
- Internet Explorer
- The World
- Opera
- Safari
- Firefox
 - Firebug
 - Selenium
- Netscape
- Tencent Traveler
- Maxthon
- Chrome



<http://www.browsers.org.uk/>

Connecting Remotely

- CISCO VPN
- VNC
- Putty
- Cygwin
- FileZilla
- WinSCP
- Mosh (ssh)



<http://www.engadget.com/2006/03/21/how-to-ssh-tunnels-for-secure-network-access/>

Social ...

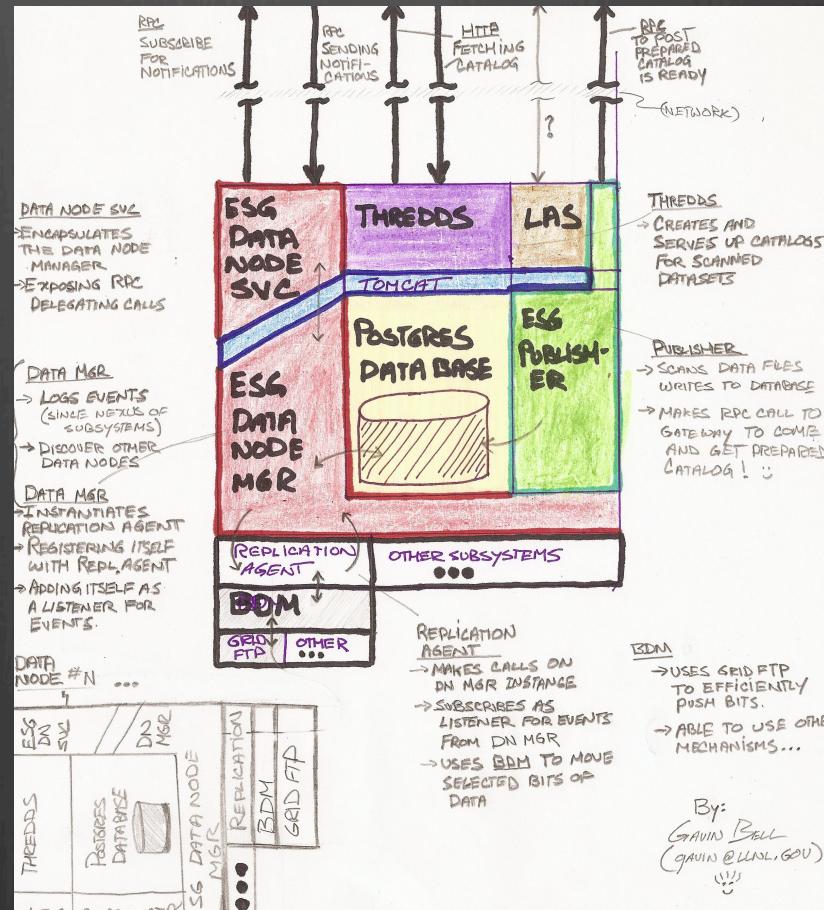
- Twitter
- Stack Over Flow
- Github
- Linkedin
- Tumblr
- Instagram
- Personal Blog (Jeff Atwood | Scott Hanselman)
- Personal Brand (does it matter?)



<http://www.wizmarketings.com/social-media-marketing/>

LLNL Tools

- UV-CDAT
- Safeweb
- Labbook
- Bits and Bytes
- Newsline

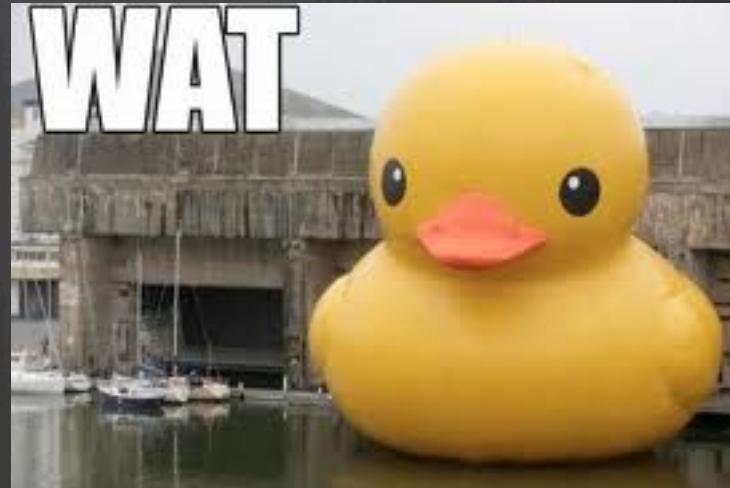


<http://esgf.org/>

Video Questions

- ⦿ Ruby
 - ⦿ Undefined variable a assigned to a = ?

- ⦿ JavaScript
 - ⦿ `[] + [] = ?`
 - ⦿ `[] + {} = ?`
 - ⦿ `{ } + [] = ?`
 - ⦿ `{ } + { } = ?`
 - ⦿ Batman...



Wat

@garybernhardt

• Links

- Video - <https://www.destroyallsoftware.com/talks/wat>
- Blog - <http://www.codinghorror.com/blog/2004/10/a-pragmatic-quick-reference.html>
- Windows - <http://windows.microsoft.com/en-US/windows/home>
- Mac - <http://www.apple.com/osx/>
- Unix - <http://www.unix.org/>
- Linux - <http://www.linux.org/>
- Xcode - <https://developer.apple.com/technologies/mac/> (app store)
- Visual Studios - <http://www.microsoft.com/visualstudio/en-us>
- Eclipse - <http://www.eclipse.org/>
- NetBeans - <http://netbeans.org/>
- JDeveloper - <http://www.oracle.com/technetwork/developer-tools/jdev/overview/index.html>
- MySQL Workbench - <http://www.mysql.com/products/workbench/>
- Terminal - <http://www.ltsp.org/>
- Vim - <http://www.vim.org/>
- Emacs - <http://www.gnu.org/software/emacs/>
- Mvim - <http://code.google.com/p/macvim/>
- NerdTree - <https://github.com/scrooloose/nerdtree>
- JIRA - <http://www.atlassian.com/software/jira/overview>
- Bugzilla - <http://www.bugzilla.org/>
- Ontime - <http://www.ontimenow.com/>

- Links Cont....

- Selenium - <http://seleniumhq.org/>
- JUnit - <http://www.junit.org/>
- NUnit - <http://www.nunit.org/>
- Gerrit - <http://code.google.com/p/gerrit/>
- Vmware - <http://www.vmware.com/>
- Internet Explorer - <http://windows.microsoft.com/en-us/internet-explorer/products/ie/home>
- Safari - <http://www.apple.com/safari/>
- FireFox - <http://www.mozilla.org/en-US/firefox/new/>
- Chrome - <https://www.google.com/intl/en/chrome/browser/>
- Yum - <http://yum.baseurl.org/>
- Aptitude - <http://algebraicthunk.net/~dburrows/projects/aptitude/doc/en/>
- Portage - <http://en.gentoo-wiki.com/wiki/Portage>
- Homebrew - <http://mxcl.github.com/homebrew/>
- Macports - <http://www.macports.org/>
- Apache - <http://www.apache.org/>
- TomCat - <http://tomcat.apache.org/>
- GIT - <http://git-scm.com/>
- SVN - <http://subversion.tigris.org/>
- MySQL - <http://www.mysql.com/>
- Synergy - <http://synergy-foss.org/>
- Fortune - <http://software.clapper.org/fortune/>

• Links Cont....

- R - <http://www.r-project.org/>
- Ruby - <http://www.ruby-lang.org/en/>
- JavaScript –
- Python - <http://www.python.org/>
- Bash - <http://www.gnu.org/software/bash/>
- Rails - <http://rubyonrails.org/>
- Solr - <http://lucene.apache.org/solr/>
- Ant - <http://ant.apache.org/>
- Mavin - <http://maven.apache.org>
- Cmake - <http://www.cmake.org/>
- CISCO VPN - <http://www.cisco.com/en/US/products/sw/secursw/ps2308/index.html>
- REAL VNC - <http://www.realvnc.com/>
- Putty - <http://www.chiark.greenend.org.uk/~sgtatham/putty/>
- Cygwin - <http://www.cygwin.com/>
- FileZilla - <http://filezilla-project.org/>
- WinSCP - <http://winscp.net/eng/download.php>
- Mosh - <http://mosh.mit.edu/>
- Twitter - <https://twitter.com/>
- Tumblr - <https://www.tumblr.com/>
- Stack Over Flow - <http://stackoverflow.com/>
- Github - <https://github.com/>
- Linkedin - <http://www.linkedin.com/>
- Jeff Atwood – <http://www.codinghorror.com/blog/>
- Scott Hanselman - <http://www.hanselman.com/blog/>
- Graphs - <http://www.techcoil.com/clivant/skillset.php>