The Professional

Apple Tech's Toolbox

MACTECH PRO EVENTS

Speaker Name

Allen Hancock received his Bachelor's in Early Childhood Education at the University of Missouri - Columbia. In 2000, Allen started the Mac Consulting Group, Inc: an Apple Specialist and Authorized Training Center based in Baton Rouge, Louisiana. There, he found his thrill in helping clients make the most of their computing experiences.



Over the course of his career, he met too many people as they suffered a failing hard drive without a current backup. As a means of preventing such loss, Allen founded Watchman Monitoring, Inc. Its namesake product is a Software as a Service tool which allows service providers to address such problems before it's too late.

Useful Tools for my consulting life.





TextWrangler



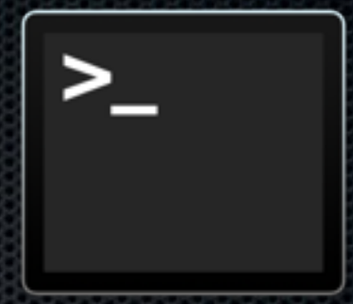
Feature	Benefit
It's free	One less thing to sell
Opens anything	View details like line endings
Process lines containing	isolate or delete excess info
Multi-File Search/Find All	Shows many instances
Opens binary plists	No need to convert

http://barebones.com/products/bbedit/comparison.html
http://barebones.com/products/textwrangler/benefits.html





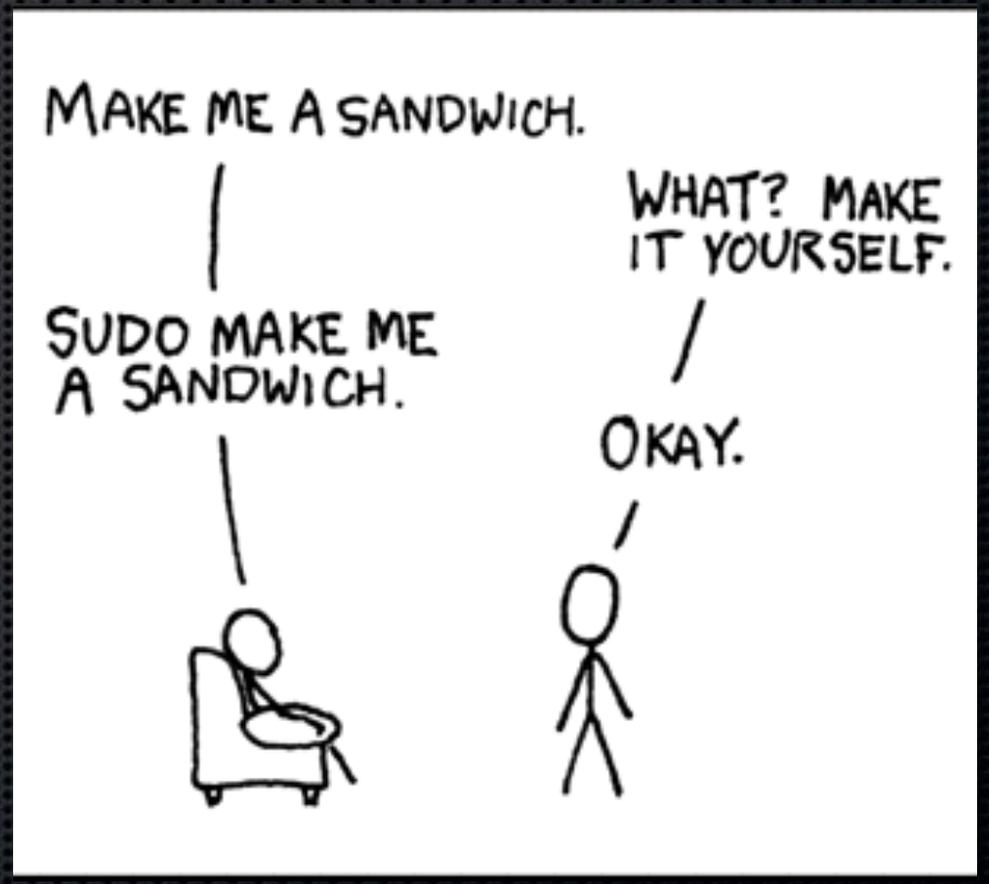
Got Root?



sudo allows great power from the normal user-space.

The *sudo* Terminal command can be used by administrators to execute commands as root.

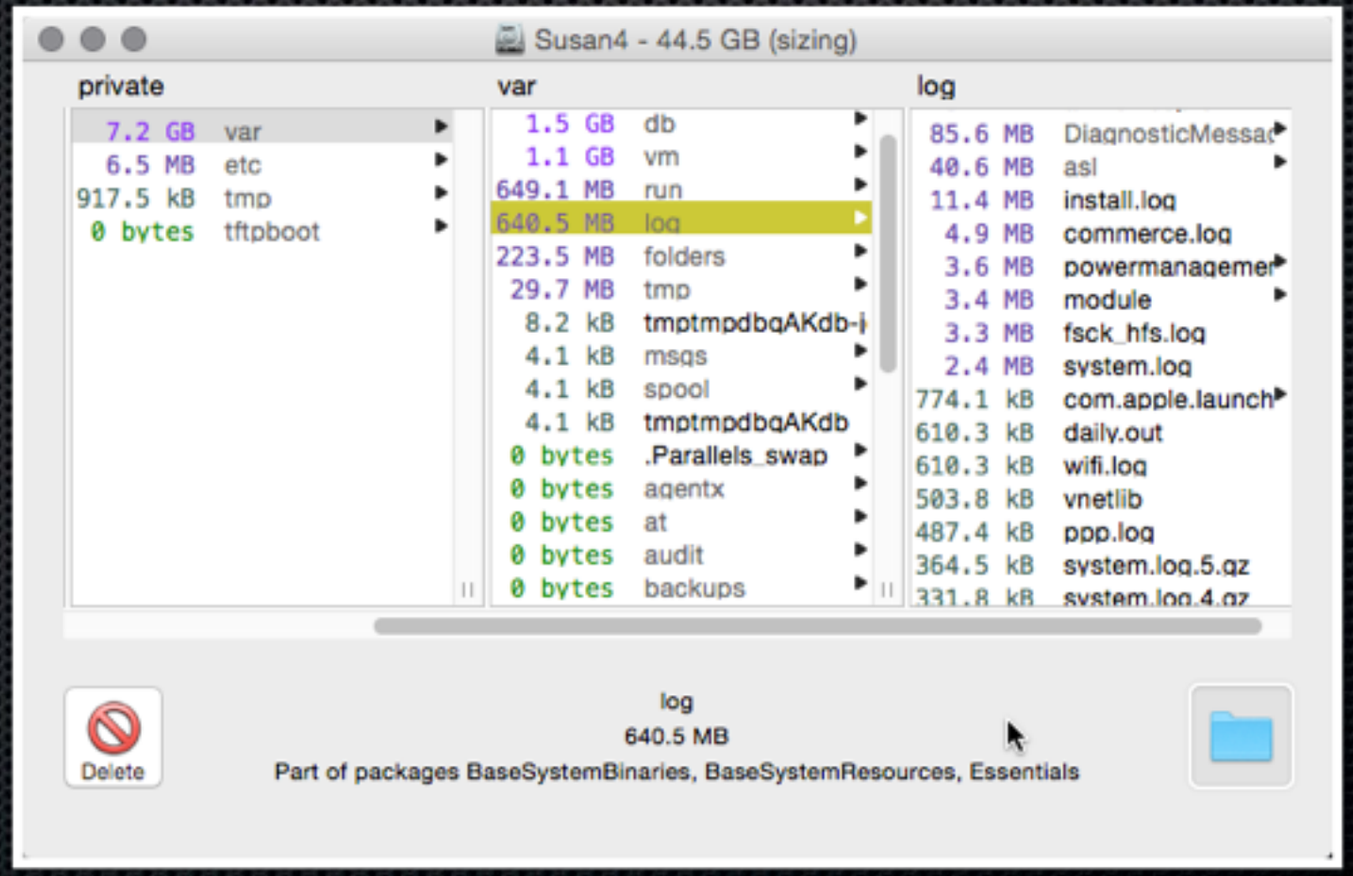
sudo command requires a non-blank admin password . [HT202035]



Out of Space?



- OmniDisksweeper
  - sudo /path/to/OmniDiskSweeper.app/Contents/MacOS/OmniDiskSweeper
  - Command . to quit the app.



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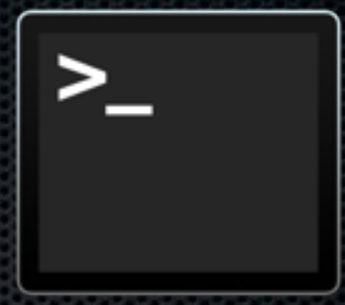


- du - disk usage statistics
  - -h - human readable
  - -d # - depth
  - -c - grand total

`du -h -d 0 -c ~` - get your home directory stats

```
287M/Users/demo/.Trash
134M/Users/demo/Desktop
 21M/Users/demo/Documents
 56M/Users/demo/Downloads
522M/Users/demo/Library
  0B/Users/demo/Movies
 76K/Users/demo/Music
7.2M/Users/demo/Pictures
…
1.0G/Users/demo/
1.0Gtotal
```

Packages, demystified



- Pacifist
  - Just what's in the package?
  - What are the scripts going to do before, or after?



- Suspicious Package Quick Look Plugin
  - Select any installer package in the Finder, and choose Quick Look from the File menu — or just press the spacebar.
  - Suspicious Package will examine the package, and show a preview in the Quick Look window.



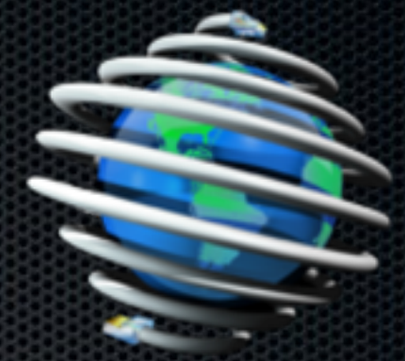
Packaging, demystified



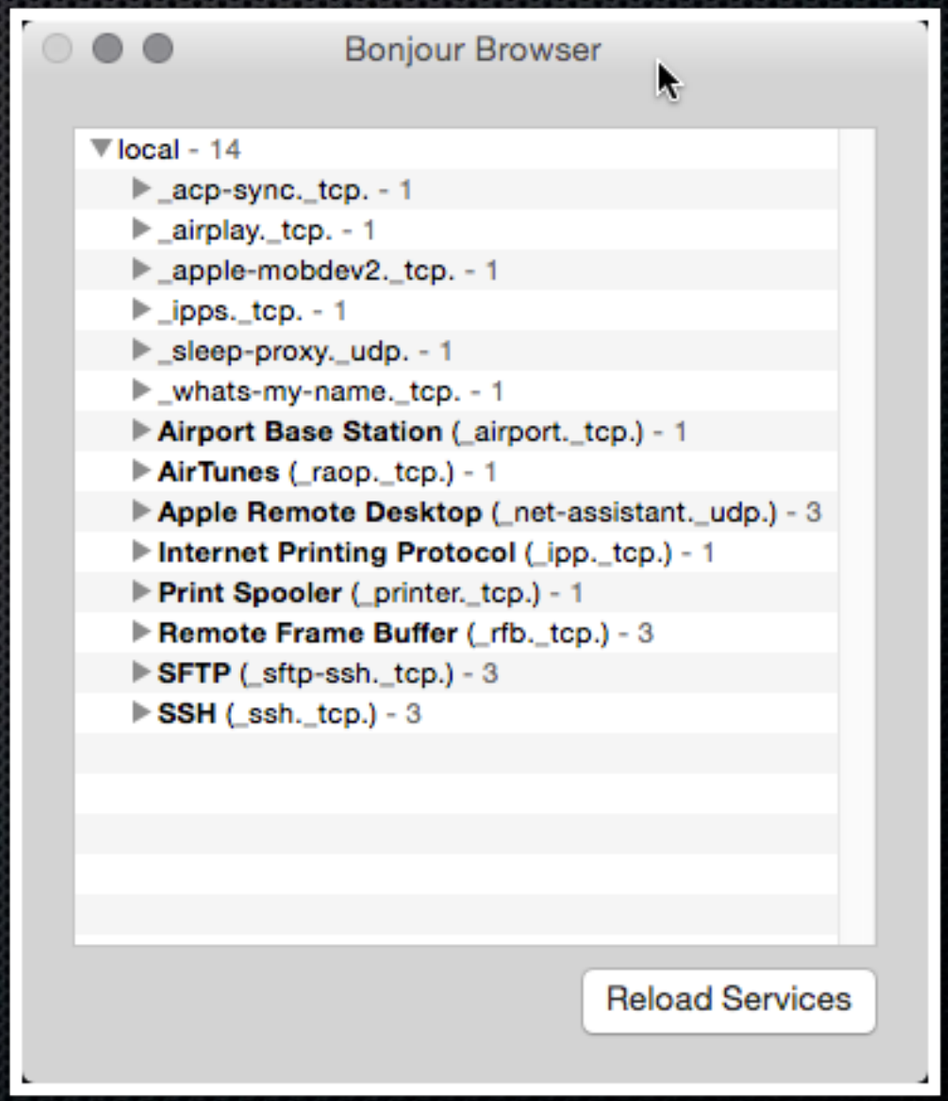
- Packages
- “Just make a package”..yeah right. Right!
- Learn by example feature
- Put files where they need to be, permissions included
- Let your end-users run scripts with a pkg



Hello, Who's on my LAN?



- Bonjour Browser
  - Effortlessly discovers Macs and recent printers on your LAN.
  - Displays great information for locating devices.
  - Bring your copy & paste!



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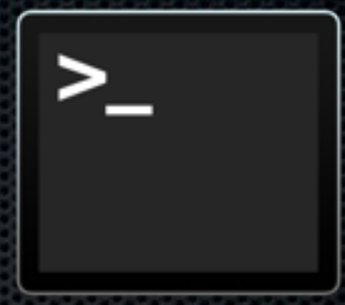


- Ping the Broadcast Address for all devices to respond
  - `ping 255.255.255.255`
  - Use `arp -a` for a list of all discovered devices
  - The result is a list of IP and MAC addresses
    - lookup the MAC address vendor code on the IEEE list

```
$ arp -a
? (10.0.1.1) at 70:56:81:c6:6a:5d on en1 ifscope [ethernet]
? (10.0.1.7) at 58:55:ca:f1:57:c1 on en1 ifscope [ethernet]
```

www.coffer.com translates 70-56-81 (hex) to "Apple"



Man, demystified



- ManOpen
- Free install
- Command-O to Open
- Command-Shift-A to “apropos”



Stream Watching



- What's the benefit? Follow along:
- Download TCPFlow - Rudix
- Figure out which network-interface has the interesting traffic (en0, etc)
- Follow one of these examples:
  - `sudo /usr/local/bin/tcpflow -c -i en0 host 10.0.1.1`
    - Watches all traffic to 10.0.1.1
  - `sudo /usr/local/bin/tcpflow -c -i en1 tcp port 80`
    - Watches all traffic on port 80

- This is especially handy when troubleshooting smtp process, or directory server setup (before enabling ssl)
- Learn more at: office.mvps.org/troubleshoot/tcpflow.html

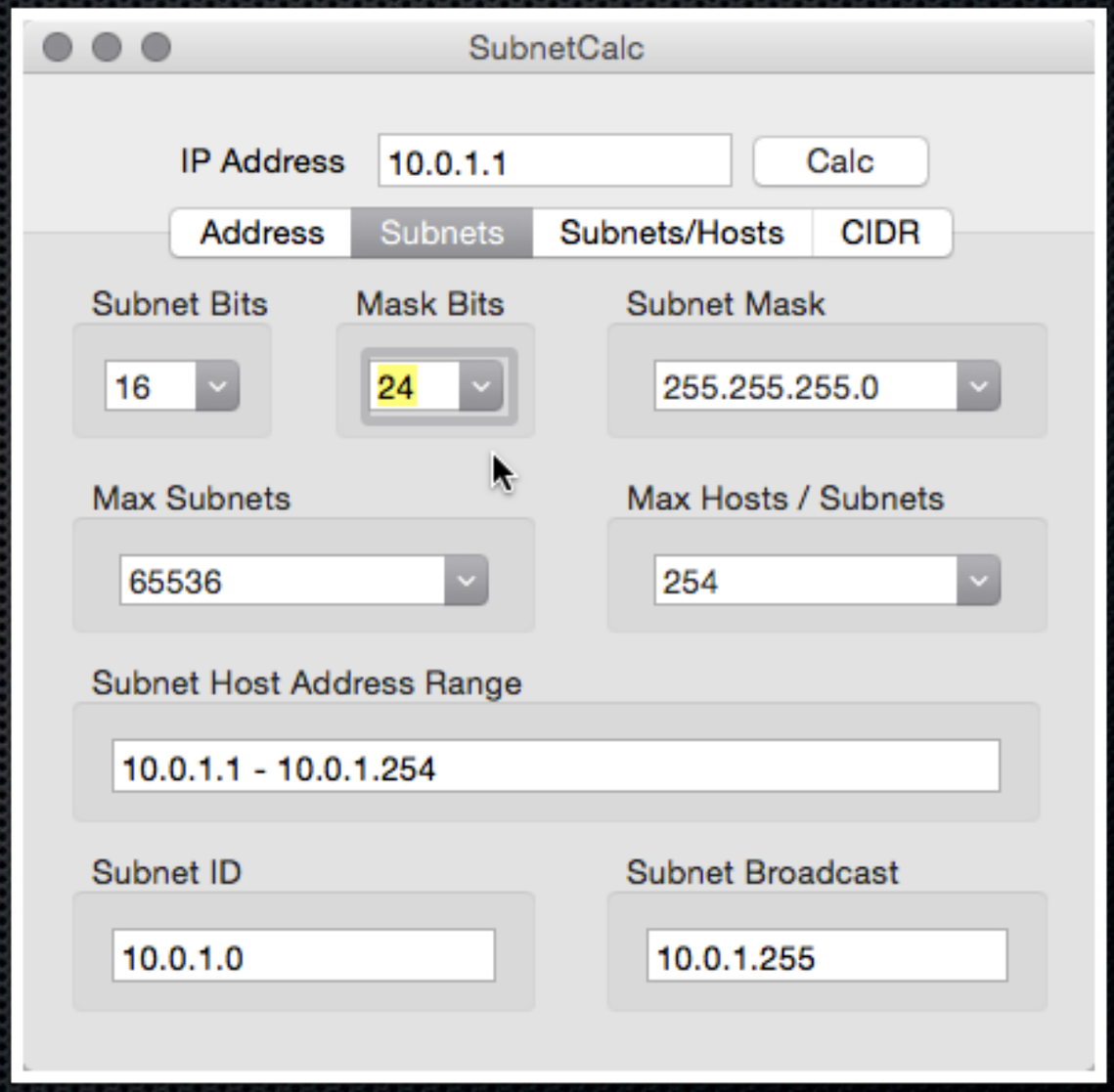


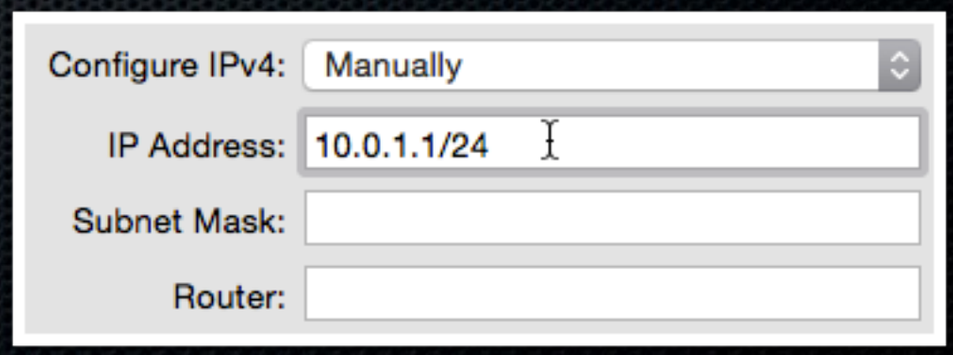
Masked addresses?



- SubnetCalc or SubnetMask.info
  - Endless Mask Calculations
  - See ranges, see broadcast.

- Network PreferencePane
  - Set TCP to manual, enter the ip & mask. 10.0.1.1/24





Hey, where's my stuff?





- EasyFind
  - It's fast!
  - Finds anywhere on the filesystem, even inside files
  - So much control you'd think it was Sherlock

- FoxTrot
  - Indexes data for fast, up to date results
  - Search a network share? OK
    - SMB, NAS, OS X Server
  - Pro Versions can keep a running current index



Dude, where's my screenshot?



- SnapNDrag
  - Simple screenshots of sections, windows, etc.
  - Keeps all screenshots in a central library
  - Resize, edit in Preview, revert to original
  - Rename & share



- Skitch
  - Advanced options for marking up images.



- Clarify
  - Quickly generate instructions with screenshots
  - Customize with branded template
  - Professional looking

Get off of my Mac



- BatChmod
  - Keeps all my 755s 755, recursively, if I want.
  - Strip xattr from files with ease.



- chflags
  - `chflags nohidden` will find that missing volume

- SideTrash
  - Move a file to the trash via Proxy icon
  - Useful if you like to have the trash available on every Finder window

Too many ads



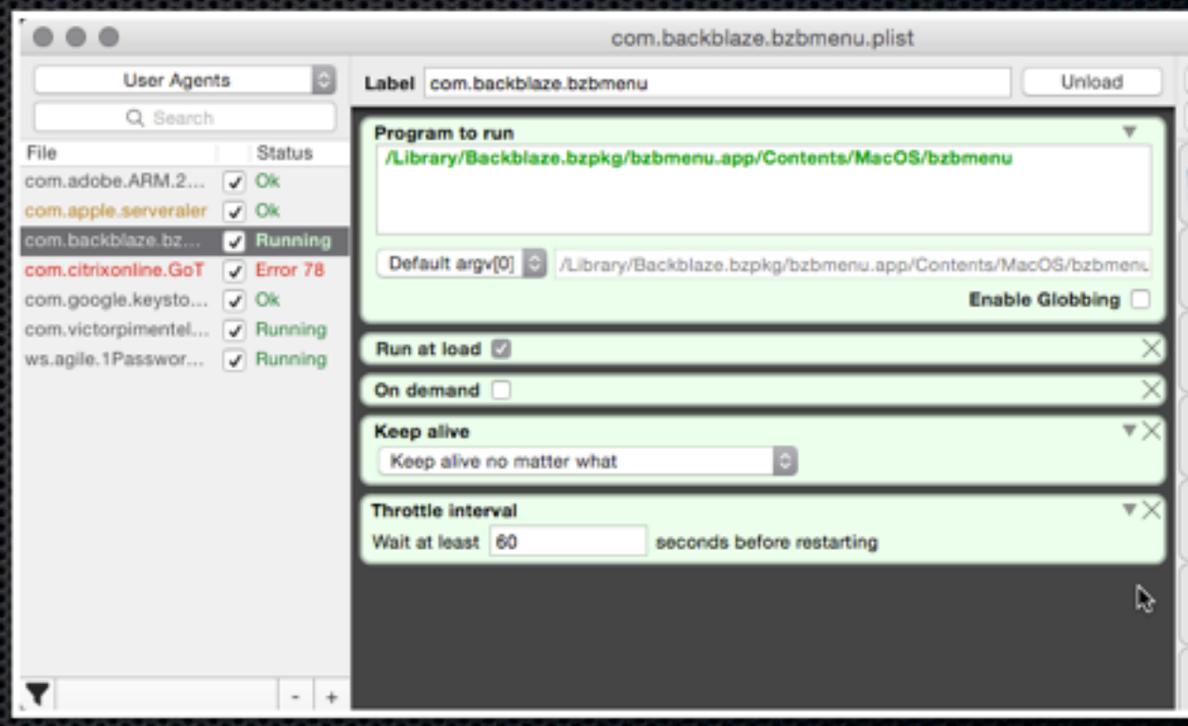
- Yes, Another Plug for
- AdwareMedic
  - Worst feature?
  - Best feature?
    - It has to be run manually



LaunchD-what?



- LaunchControl
  - Discover what's going on your computer.
  - What's being run, from where, when.
  - Troubleshoot background processes



- launchd.info - Learn what makes a Mac mac.

Email tools





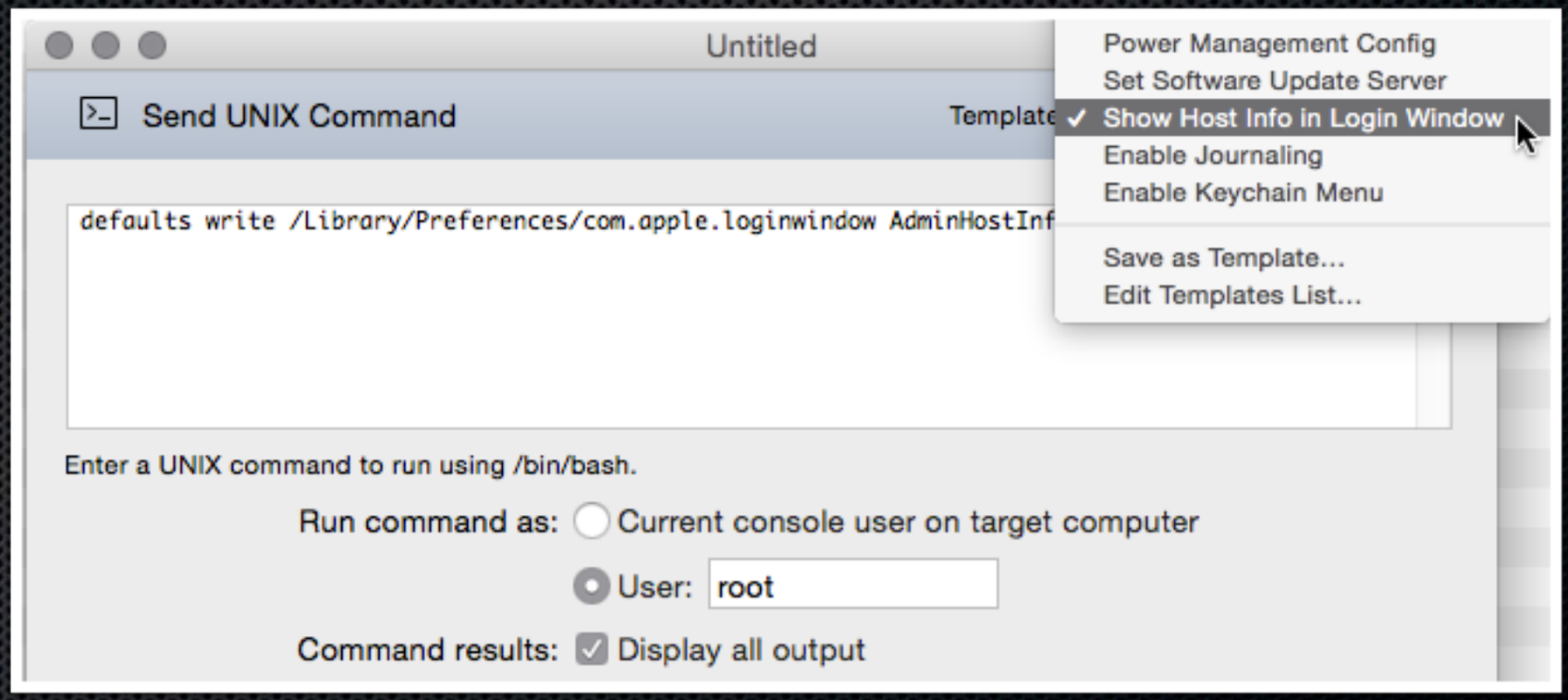
- Emailchemy
  - Convert, Migrate, Manage any format to any format.

- Email Extractor
  - Extracts every email address from a Mailbox & more.



ARD - Apple Remote Desktop
Save time, improve memory

- Save common items to the sidebar.
- Save scripts as templates
- Repeat!
- Remember!



- http://j.mp/MacTech-Pro-Allen-Command

~/Library/Application\ Support/Remote\ Desktop/Presets/UnixCommandTask.plist

Database Administration





- Sequel Pro - MySQL, Free
- Portico (formerly PG Commander)
  Postgres, simple, friendly
- phpMyAdmin - MySQL, Free, web-based





Mac Models



- MacTracker
  - Determine Max Memory
  - Max Mac OS?
  - Search by Serial Number
  - Settle Bets
    Learn your Apple History
- EveryMac - online runner up



Questions?



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MACTECH PRO EVENTS

Network Utilities

- WiFi Explorer
- WiFi-Signal - Handy Toolbar Utility
- CanYouSeeMe.org - Check Open Ports
- SubnetMask.info - Subnet calculator
- WhatsMyIP.org - Determine WAN IP
- Is that web site DownForEveryoneOrJustMe.com
- Wireshark
- NetSpot
- SpeedOf.me - HTML5 speed test (No Java or Flash)
- Server 4.0 (new reachability feature)



Email Grooming

- MxToolbox
- emailreg.org
- multirbl.valli.org/dnsbl-lookup/
- ProjectHoneyPot
- http://www.mcafee.com/threat-intelligence/ip/default.aspx
- http://www.reputationauthority.org/lookup.php
- SenderBase.org
- SenderScore
- http://www.kloth.net/services/dnsbl.php
- www.c-sirt.org/lang/en-us/incidents-on-ip



Web security tools

- www.internetofficer.com/seo-tool/redirect-check/
- InlineStyler - Convert CSS rules into inline attributes
- Sucuri.net
- https://www.changedetection.com



More Resources

- Common Ports for Apple Software [HT202944]
- DisplayMenu - Get the display menu back in 10.9 & 10.10



More Resources

- PhoneView
- iExplore
- Munki
- AutoPkg / AutoPkgr
- Whatskeepingme
- Gemini - duplicate finding
- DiskDiags
- DiskDrill Pro - Data Recovery
- DataRescue - Data Recovery
- R-Studio - Data Recovery
- DriveGenius
- SmartUtility
- Onyx

- Cocktail
- iStumbler
- iNet
- Netspot Pro
- Transmit
- MacUpdate
- Grapho
- Draw.io
- Lucid Charts
- Paragon
- Tinkertool
- TimeMachine Editor