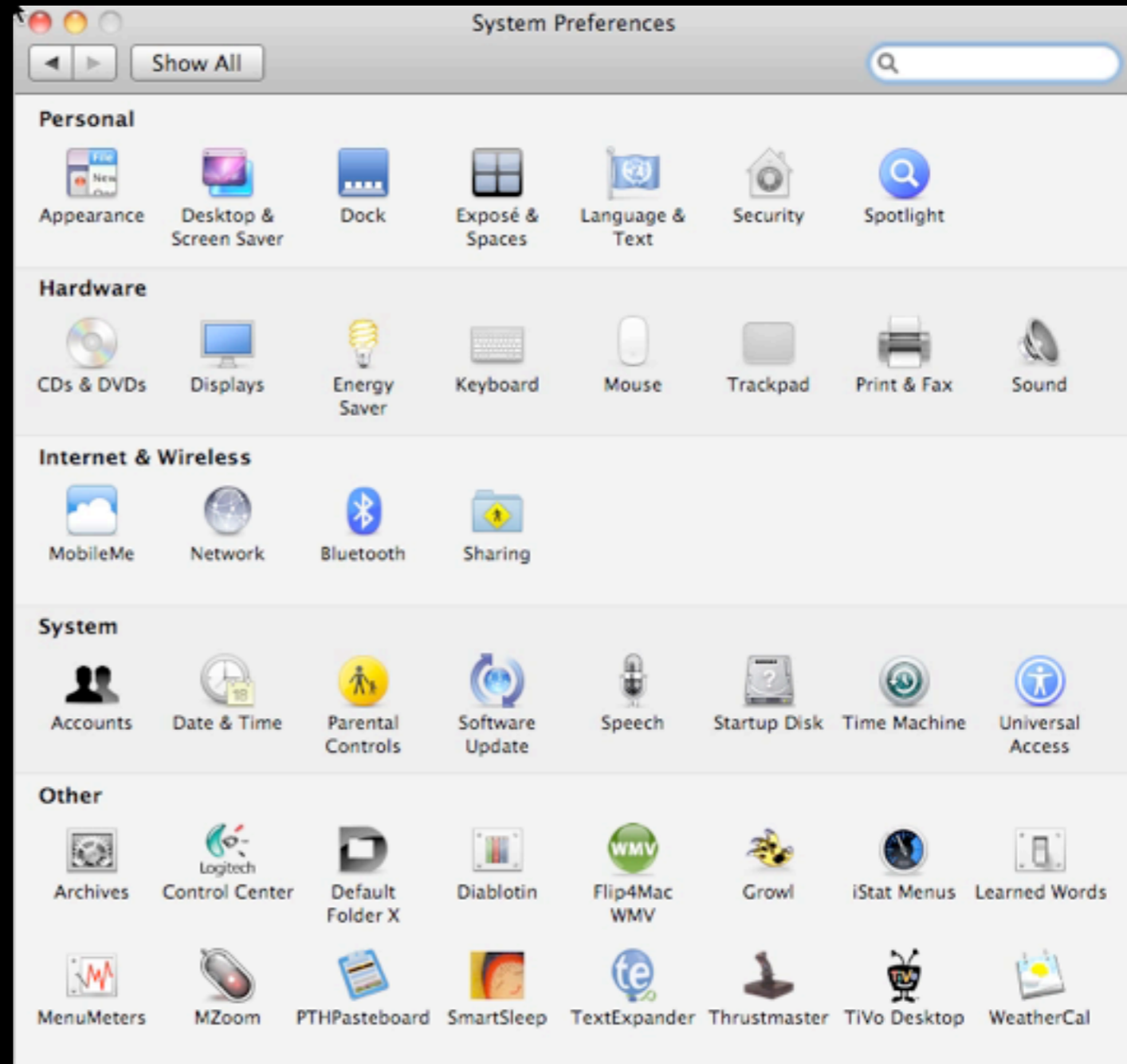


Running Your Mac Lean, Clean, and Mean

with Dave Hamilton

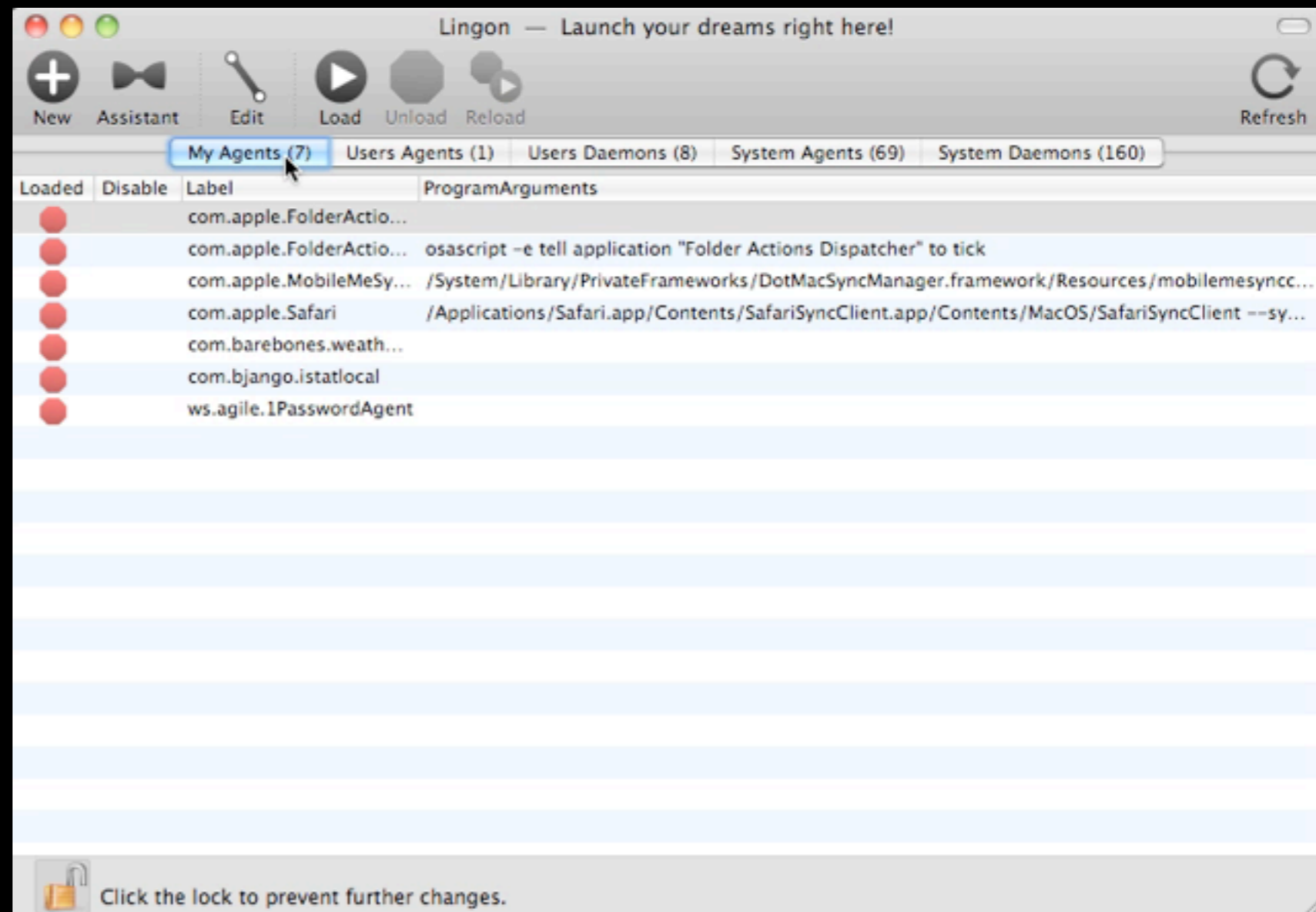
Running Clean Startup Cleanup

- System Preferences->Accounts
- Login items tab
 - Check everything here
 - Google what you don't know before removing



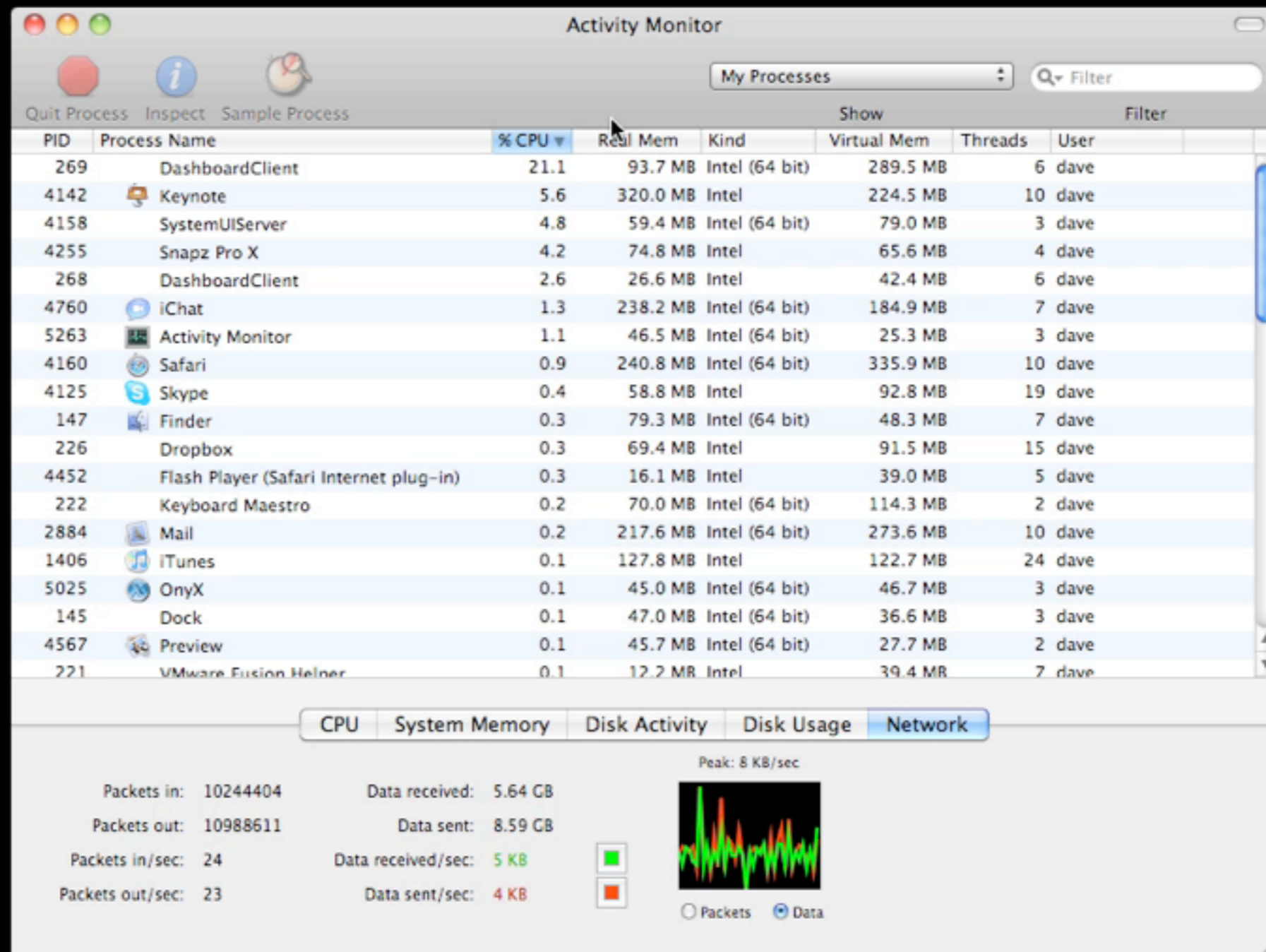
Running Clean Startup Cleanup

- Check 'launchd'
- Use Lingon - <http://lingon.sourceforge.net>
- Be careful -- ONLY:
 - My Agents
 - Users Agents
 - Users Daemons



Running Clean Activity Monitor

- Built into Mac OS X
- /Applications/Utilities/Activity Monitor
- Real-time output of CPU, RAM, Network usage, also shows emulation
- Demo->



Tangent - Cool Stuff Found

iStat Menus

- At-a-glance access to System State/health
- Memory, Network, Disk, CPU Usage, Temperature in the menu bar
- <http://bjango.com/mac/istatmenus/> - US\$16



Running Clean File/Cache Cleanup

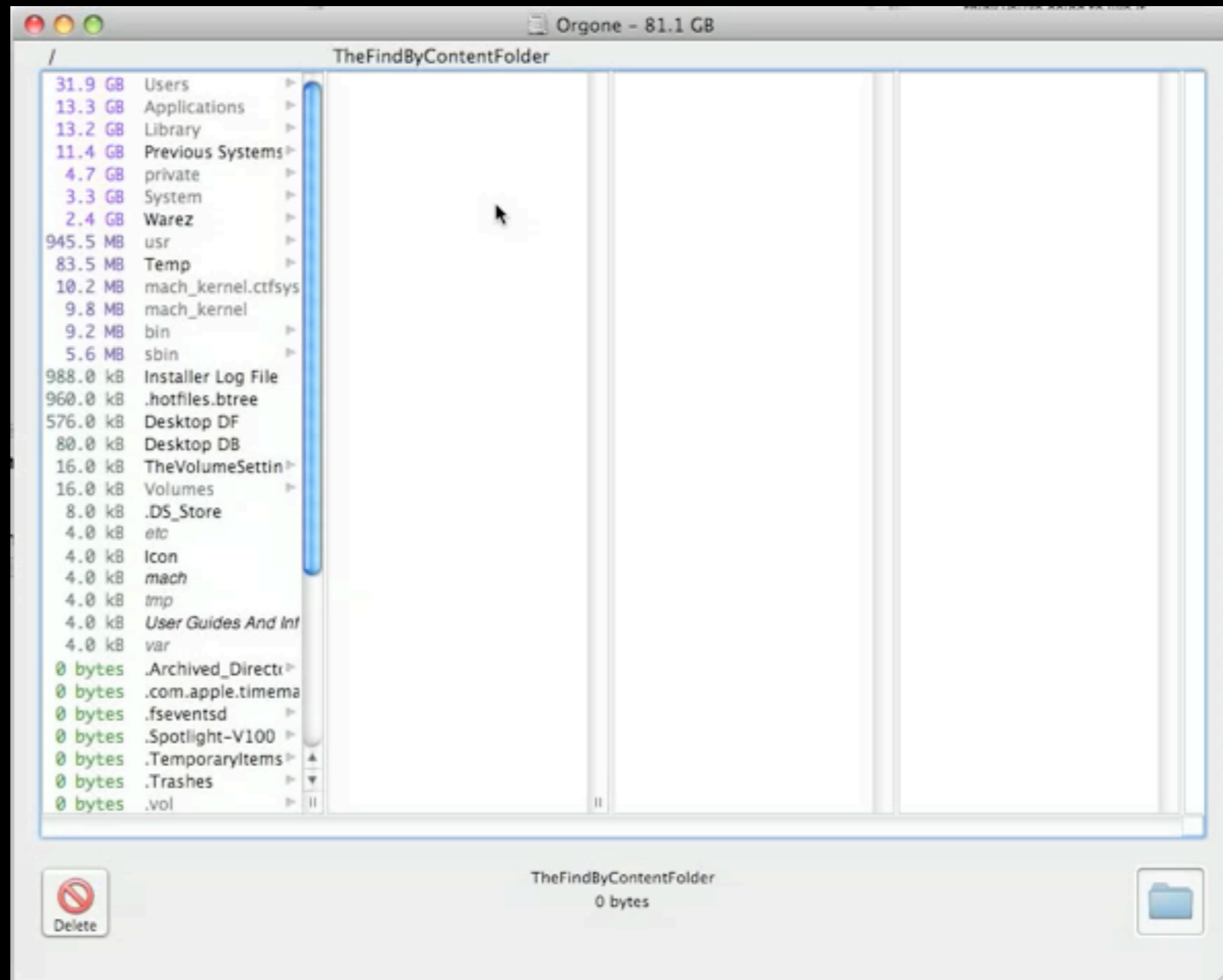
- OnyX - <http://www.titanium.free.fr/>
- Delete caches automatically



Tangent - Cool Stuff Found

OmniDiskSweeper

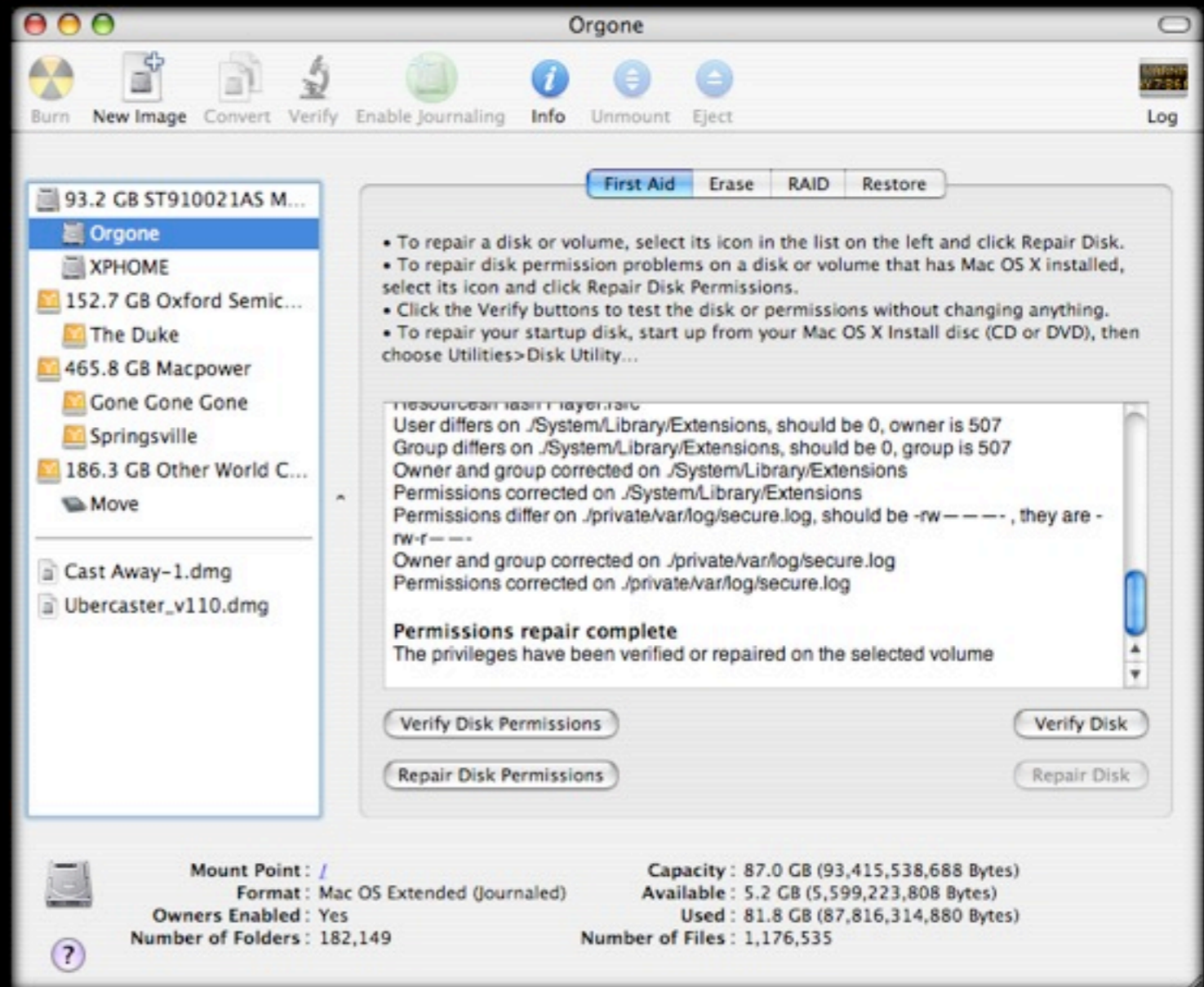
- Finds sizes of everything on your drive
- Free at www.omnigroup.com
- Demo->



Preventative Maintenance

Disk Utility

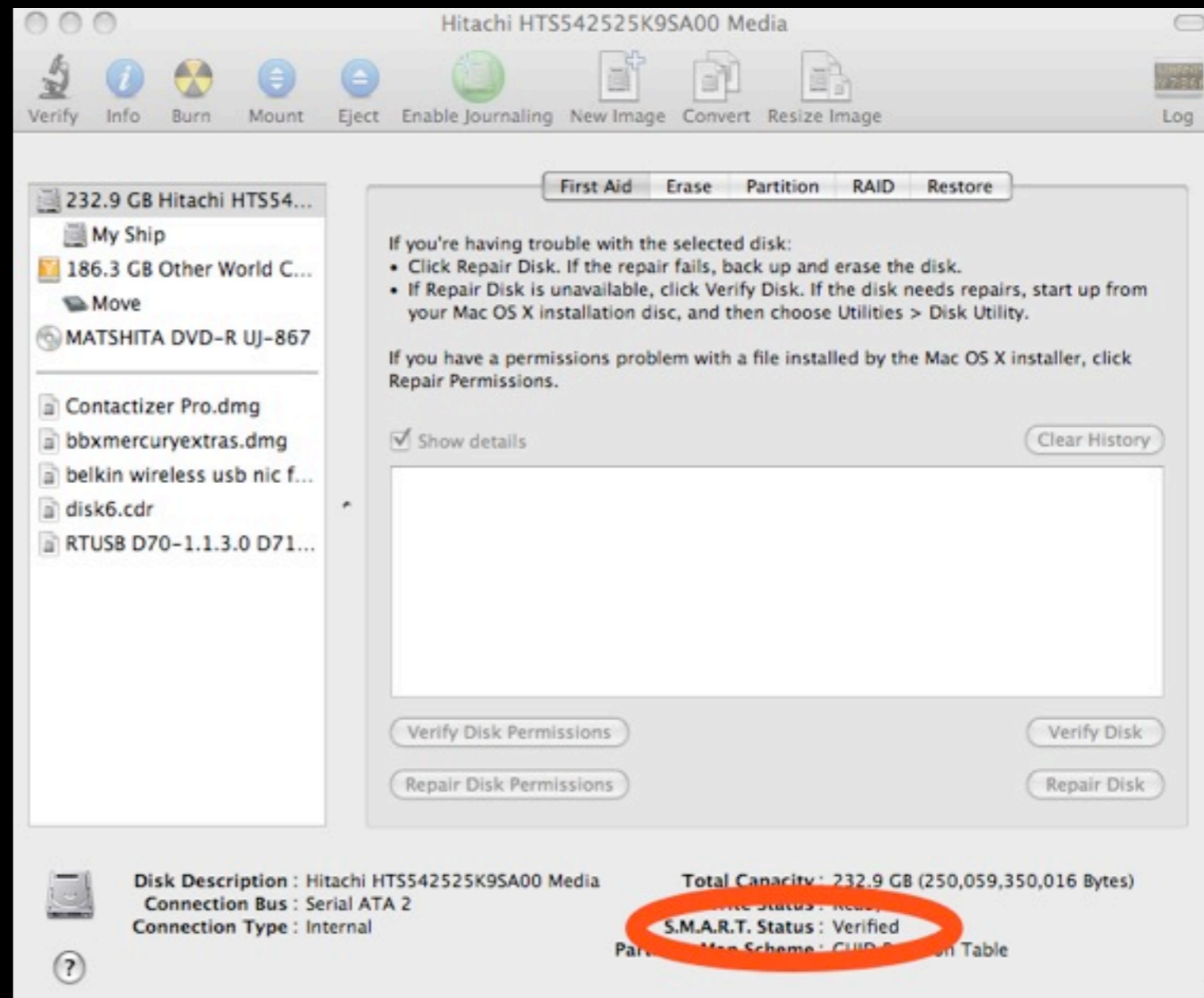
- Repair File System and Permissions
- File System Repair needs to be run from different boot drive or DVD



Preventative Maintenance

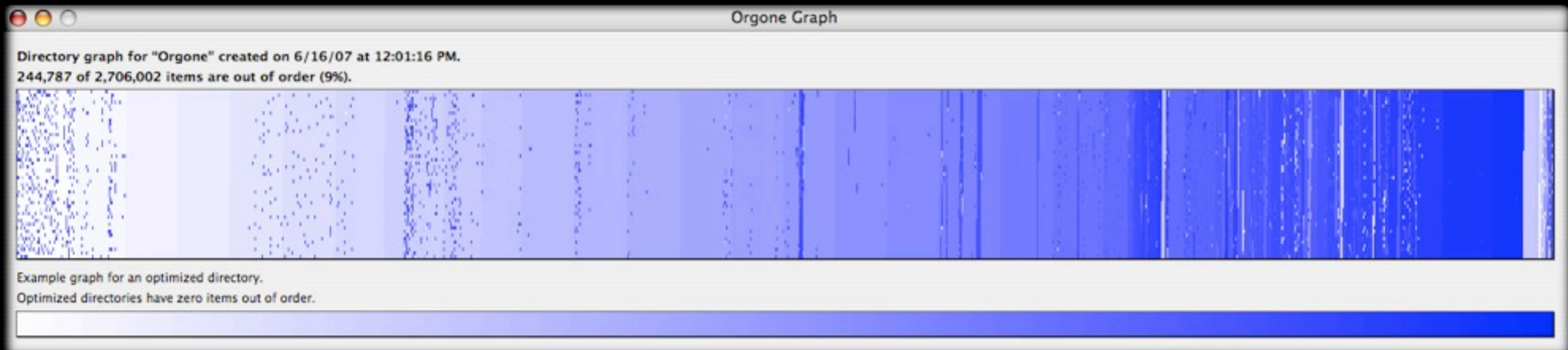
The S.M.A.R.T. way

- Hard drive is important piece of the pie.
- Most internal drives report their health if asked
- Self-Monitoring, Analysis and Reporting Technology
- Disk Utility shows status
 - Check regularly



Preventative Maintenance Disk Warrior 4

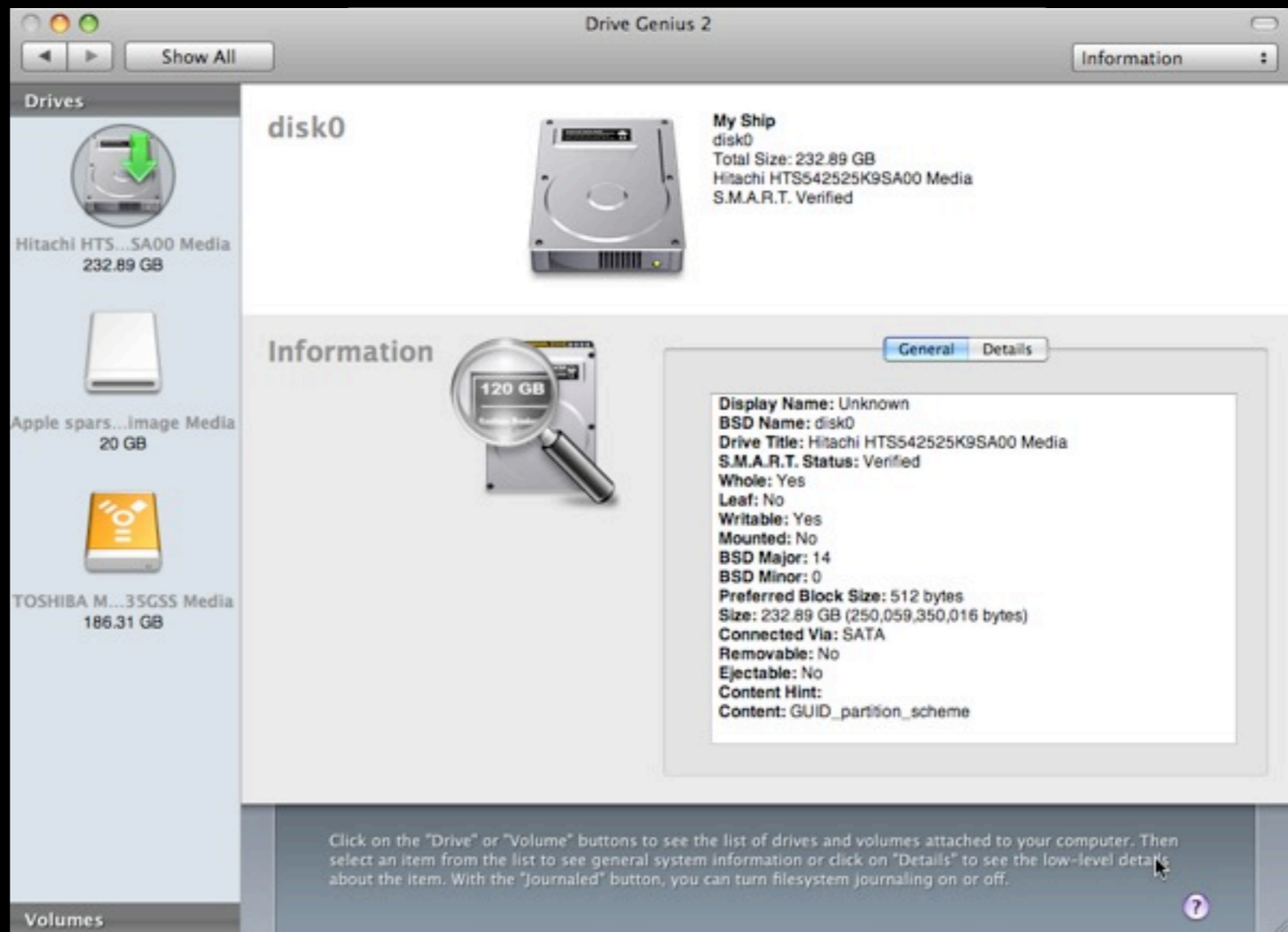
- DW is utility for rebuilding damaged or fragmented directories.
- Not repair... just rebuild. Subtle difference.
- Also Automatic SMART-testing agent
- Available at www.alsoft.com - \$99.95



Preventative Maintenance

Drive Genius 3

- Rebuild Directory
- Repair Directory
- Defragment Disk
- Surface Scan (Integrity Check)
- Repartition
- Duplicate
- www.prosofteng.com
\$99.00



Tangent

Defragmenting/Optimization

- Used to be all but mandatory
- Unix changes a lot of that
 - Mac OS X keeps a “hot list” and optimizes smaller, recently-used files for you
- If you repeatedly push up against the full size of your drive, fragmentation will exceed acceptable limits
- Prosoft’s Drive Genius defragments
 - But rebuild directory with Disk Warrior first!

Mac Bliss

SSD Drives

- Ongoing MGG Obsession
- Not cheap
 - 128 GB = \$250
 - 250 GB = \$550 vs \$50-100
- System-wide Speed Upgrade
 - Reduces seek latency to (nearly) zero
- Don't defrag!
- Runcore, Kingston, Crucial, Wintec, OWC

Preventative Maintenance Command Line Startup

- Boot to Single User Mode with Command-S on startup
- Then run 'fsck / -fy' -- that will check and, if necessary, repair your boot volume
- Bonus is that you can do this without booting from a separate disk!

Preventative Maintenance AppleJack

- Command-line Only utility.
- Meant to fix major problems.
- Install NOW -- **before** disaster strikes!
- <http://applejack.sourceforge.net/>

```
-----  
Enter the associated number or letter to choose your maintenance task.  
It is strongly recommended you do them in the order listed!
```

```
[a] auto pilot. Script will do all tasks sequentially.
```

```
[1] repair disks
```

```
[2] repair permissions
```

```
[3] cleanup cache files
```

```
[4] validate preference files
```

```
[5] remove swap files
```

```
[q] : Just quit, thank you very much.
```

```
Your choice: █
```

Preventative Maintenance

Disk Overview

- Directory Repair
 - Disk Utility
 - Disk Warrior
 - Drive Genius
 - 'fsck' from command-line/Terminal
 - Install Applejack

Preventative Maintenance System Scripts

- What they do
 - daily - removes log files, temporary files, backs up the NetInfo database, rotates your system.log
 - weekly - rebuilds locate and 'whatis' unix databases, rotates less-frequently filled logs
 - monthly - reports per-user accounting and rotates even more logs.
- 'daily' script is the key to happy life on your Mac

Preventative Maintenance System Scripts

- Running them
 - If your machine is on all the time, they *should* run no problem
 - If not, they may or may not run, so manually run them
 - Terminal - 'sudo periodic daily weekly monthly'
 - Or... Onyx, of course!

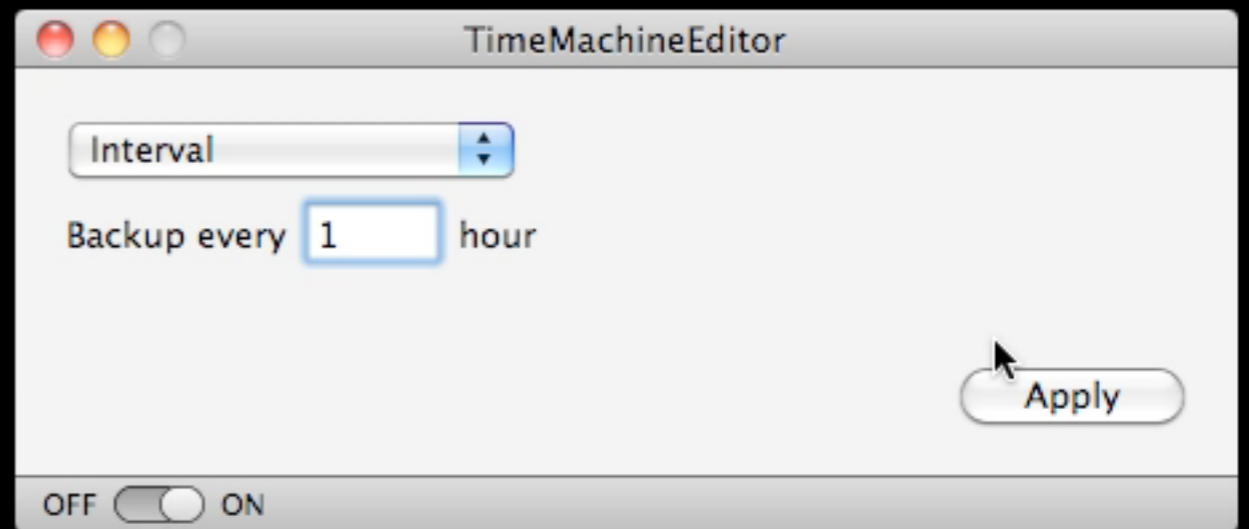
Preventative Maintenance Test Account

- Go to System Preferences->Accounts
- Create new “Test” user with Administrative Privileges
 - Remember the password
- Good when your system starts acting funky. You can log in as this user. If successful with test operations, you know it’s a user preference and not a system-wide issue

Tangent - Cool Stuff Found

TimeMachineEditor

- Time Machine Backs Up Every Hour
- Can slow down your machine
- <http://timesoftware.free.fr/timemachineeditor/>
- Must Turn Time Machine Off
- Demo->



Disaster Strikes Machine Won't Boot

- Go to command line, run 'fsck' or AppleJack
- If that finds problems, run it *again* until it runs clean
 - Tiger (10.4) and later do this automatically.
- Boot from Mac OS X CD/DVD and run Disk Utility
- Boot from DiskWarrior and rebuild directory
- FireWire target-disk mode to another Mac to copy data and punt!

Disaster Strikes

Data Recovery

- FireWire Target Disk Mode
 - Copy Data to other Mac, then reformat, reinstall.
- Prosoft's Data Rescue
 - For when the files can't simply be copied
- Don't trust a failed drive again
 - They're too cheap to roll those dice

Disaster Strikes

Taking it in

- If under AppleCare and **not** accidental damage, call AppleCare or visit local Apple Store.
 - Aside: Buy AppleCare
- 3rd parties for non-AppleCare and damage-related issues
 - TechRestore - <http://www.techrestore.com/>
 - iResQ - <http://www.iresq.com/> - Formerly MacResQ

Mac Bliss - Battery Conditioning

- Check System Profiler for Full charge capacity (mAh) and Cycle count
- Full charge capacity Max is different for each. Most above 5000 when new. Apple allows for 20% degradation.
- If cycle count is <300 on removables or <1000 on built-in, still covered if you have AppleCare or Warranty.
- Don't Leave Charging 100% of time.
- Apple says discharge once/month, I say twice, at least.
- Abuse your battery.

Mac Bliss

Hazel



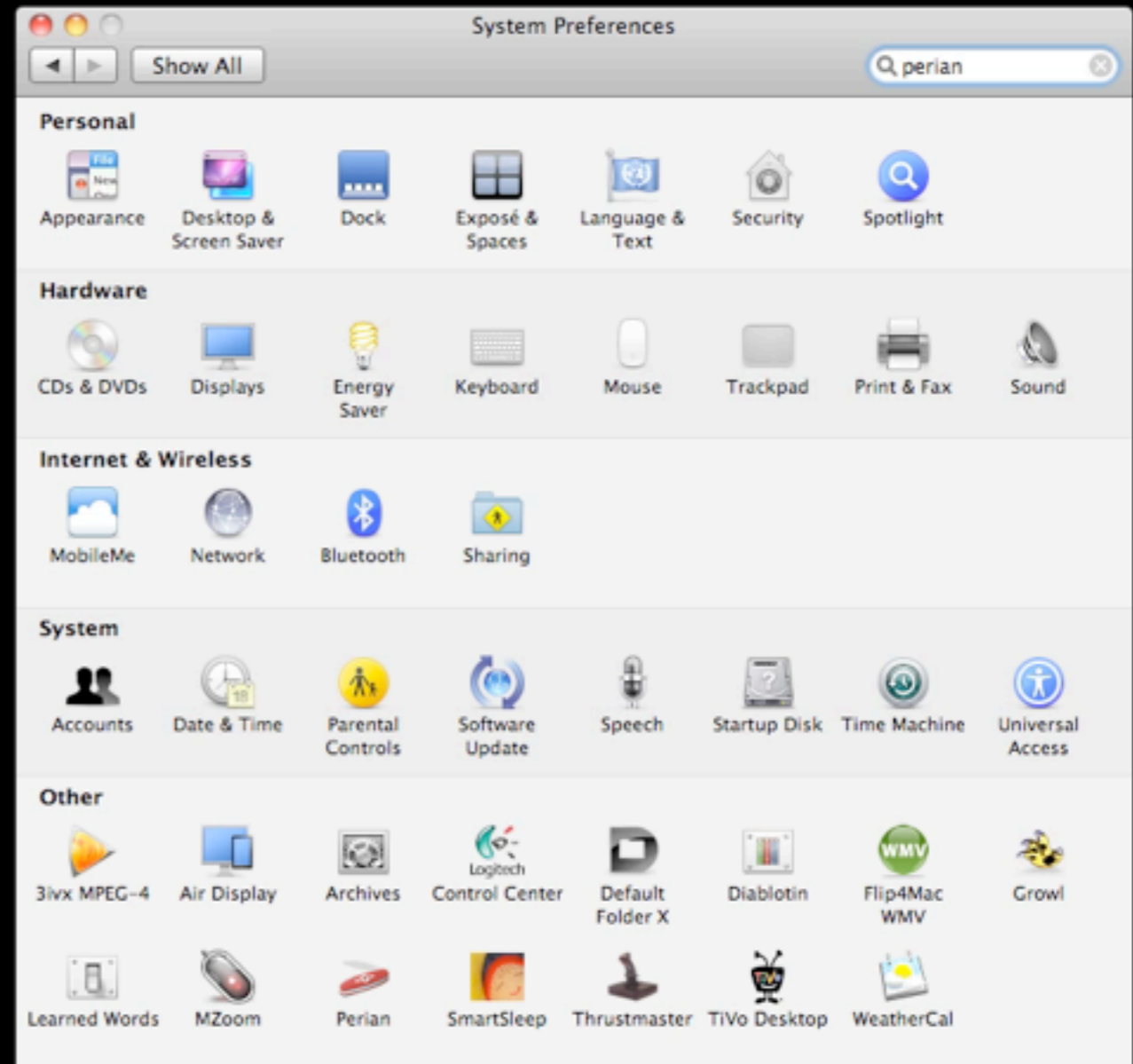
- Automated Organization for your Mac
- Watches your files and folders so you don't have to
- Auto-sort downloads
- Delete support files along with apps
- Auto-empty trash on schedule
- \$21.95 from Noodlesoft.com
- Demo(s)! ->

Mac Bliss Perian



Perian
The swiss-army knife for QuickTime™

- Called the “swiss-army knife for QuickTime”
- Adds formats like DivX, Flash Video, 3ivx MSMPEG4 v1 & v2, Indeo, Windows Media formats, more
- Free at <http://perian.org>
- PrefPane->



Mac Bliss

PowerLine Networking

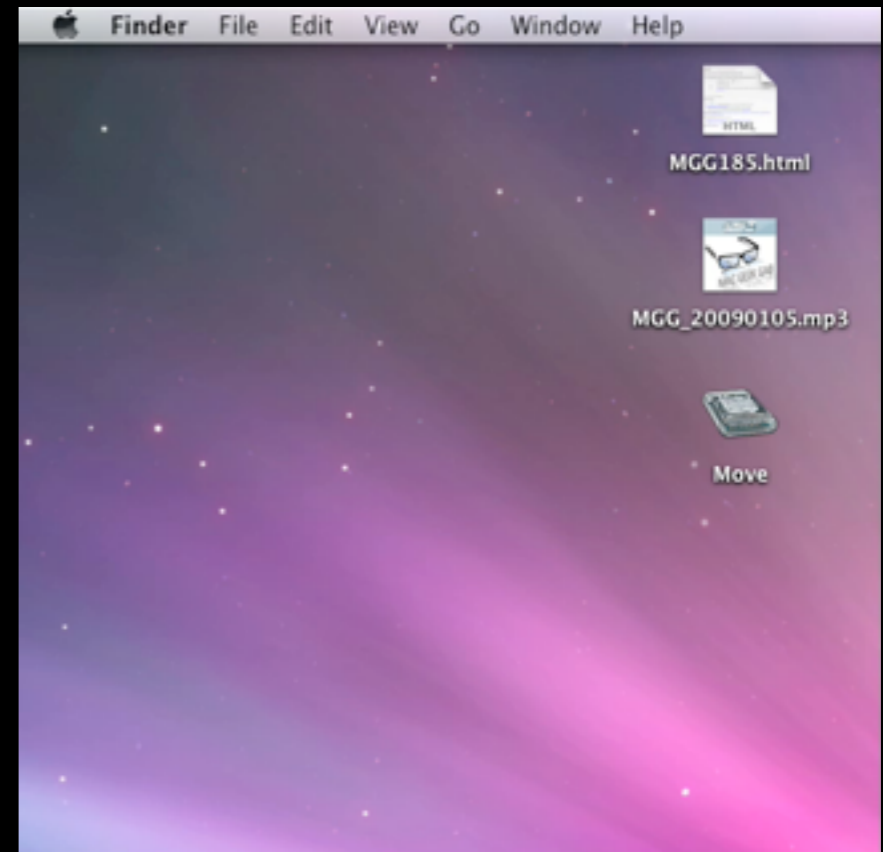
- Use your electrical system to transmit Ethernet signals
- Get PowerLine AV, not previous models
- 200Mbps max, usually about 100Mbps
- Can span circuits now
- Connect two WiFi Access Points Together
- \$120/pair for NetGear PowerLine AV 200 2-pack at Amazon.com



Mac Bliss

Speeding up Finder

- Disable “Calculate all sizes” in list view
 - View->As List
 - View->Show View Options
- Reduces disk access when browsing folders



Cool Stuff Found Dock Spacers (in Onyx!)

- We already love Onyx.
- Now we just love it more



Cool Stuff Found

Drop Box



- Syncs a Folder on Your Mac with “Cloud”
- Cross-platform, iPhone app
- Share DropBox with Your Other Machines
- Share Folders with Other People
- <http://getdropbox.com/> ... but!
- <http://bit.ly/bonusdb> - Gets you extra 250MB

Wrap Up/Q&A

- Download: <http://davethenerd.com/files/2011LCM.pdf>
- Visit <http://www.macobserver.com/>
- dave@macobserver.com
- feedback@macgeekgab.com
- Yes, feedback@macgeekgab.com