

Offset	Topic
00:17	<ul style="list-style-type: none"> • Intro
	<ul style="list-style-type: none"> • Leopard <ul style="list-style-type: none"> • Not hugely impressed • Not using Time Machine, yet • Haven't upgrade desktop, need to test a couple bits of software • Find spaces and expose to be somewhat at odds • Frustrated that I have to re-figure out how to apply some customizations • Run SSH on a custom port, new firewall preference pane doesn't seem to allow arbitrary ports like old one • X11 server seems to have taken a huge step backwards, having window focus issues I have not had since early Tiger • No application incompatibilities so far, though • Bob Young talk <ul style="list-style-type: none"> • More focused on entrepreneurship • Mentioned iBiblio as a form of commons, didn't really elaborate • Also suggested copyright, patent terms could or should be variable • Didn't discuss details, like scheme for varying or evaluating
09:13	<ul style="list-style-type: none"> • Listener Feedback
	<ul style="list-style-type: none"> • CA Sizemore on Radiohead • Will the Computer Guy on Will • J.Irving on more CS, programming coverage <ul style="list-style-type: none"> • Paul also corrected on NNTP vs. UUCP
20:39	<ul style="list-style-type: none"> • Security Alerts
20:58	<ul style="list-style-type: none"> • Problems with Leopard firewall <ul style="list-style-type: none"> • http://rss.slashdot.org/~r/slashdot/eqWf/~3/177330755/article.pl • The firewall is disabled by default post upgrade/install • The automatic setting is way to permissive • Even the block all seems to have some unclear exceptions for some services • May have to do with zeroconf, published or discovered services still allowed under block all • Article recommends using ipfw which is still available • Understandably omits details on use, but doesn't even link to another article • Found a reasonable iBiblio article • http://www.ibiblio.org/macsupport/ipfw/
23:08	<ul style="list-style-type: none"> • Leopard already has security issues to be patched

Offset

Topic

- <http://news.google.com/news/url?sa=T&ct=us/7-0&fd=R&url=http://www.pcworld.com/article/id,139110-c,onlinesecurity/article.html&cid=1122925325&ei=ru8oR8LDE4zUqQOthvTSDQ>
- Critical of new features
- Library randomization, attempts to make it impossible for a buffer overflow to execute arbitrary calls
- Vista has a similar feature
- Problem is that not all library use or participate under Leopard
- Same issues with Sandboxing
- Ideally would wall off software, limiting risk
- Not all programs, components are sandboxed
- Also, some sandbox policies are incomplete, overly permissive
- Also pointed out firewall
- Doesn't sound like additional issue increase risk
- Just don't make the new version as secure as hoped

24:45

• News

25:59

- New, high density memory research
 - http://www.wired.com/gadgets/miscellaneous/news/2007/10/ion_memory
 - Michael Kozicki, director of Applied Nano-ionics at Arizona State University
 - Programmable metallization cell (PMC)
 - Replacement for flash memory
 - Lower cost, lower power
 - Flash is approaching physical limits
 - Currently at 50nm, won't scale below 25nm
 - For similar reasons to CPU die sizes, introduction of quantum effects, errors
 - Don't scale as well as CPUs, need a certain minimum number of electrons in the circuit to work
 - Scaling issues, as well as cost, explain why flash media players max out so low
 - Utilizes a nano scale ionic effect
 - Applying a negative charge causes free floating copper atoms to form a wire
 - Reversing the charge returns atoms from wire to free floating
 - Relies on physical changes, not the charge itself
 - PMC can re-use materials already in use, defraying capital costs
 - Technology has already been licensed, first product in the pipe and will be out in 18 months
 - Seems to be the most mature, furthest along
 - Time will tell
- Calling for a presidential debate on science

29:54

- http://newsweek.washingtonpost.com/onfaith/guestvoices/2007/10/call_for_a_presidential_debate.html
- An op-ed from Matthew Chapman
- In a section dealing with issues of faith
- Speaks about evolution, a hot button issue
- This is not a positive call for education, but a critical comment against faith
- Mentions other science based questions, challenges
- Should have given more weight to science education more generally
- Evolution too easily touches off religious arguments
- I do like the format he suggests, even using known scientists
- Problem is that studies have shown that this is not an issue of leadership
- Many Americans appear to share Bush's view on doubting evolution
- Many also seem to lack basic science education
- Why couldn't we shoot for something more attainable and immediately useful, like remedial technology literacy?
- What about making this a voting issue for congress critters?
- These are folks drafting legislation, an informed congress could balance an ignorant executive
- Visual command line demonstrated at FOSSCamp
 - <http://arstechnica.com/journals/linux.ars/2007/10/29/ars-at-fosscamp-revolutionizing-the-command-line-with-hotwire>
 - Colin Walters of RedHat demonstrated HotWire
 - Walters was original developer and pretty much sole maintainer
 - Goal is to make system development administration easier
 - Admits to being inspired by Microsoft's PowerShell
 - Instead of passing around text via stdin, stdout, passes around Python object instances
 - Allows for more structured output, also more sophisticated data passing
 - Runs commands asynchronously, opening new background tabs for background execution
 - Supports more usual shell features than Microsoft
 - History browsing, autocompletion in particular
 - Supports some more visual grace notes, like icons in file listings and visual progress bars
 - Considering future features like remote automation, xml-rpc over ssh
 - Hasn't focused on fully utilizing Python as means of scripting, extending
 - Early users seem keen on this greater exposure of Python capabilities
 - I like he is focused on just the shell experience, rather than building yet another scripting tool

Offset	Topic
38:01	<ul style="list-style-type: none"> • Article even points out this puts it in contrast to PowerShell, which focuses on scripting first, experience last • First federal testing standards for e-voting <ul style="list-style-type: none"> • http://feeds.arstechnica.com/~r/arstechnica/BAaf/~3/178750471/20071102-after-years-of-use-e-voting-gets-first-real-federal-testing-guidelines.html • Update authored by Election Assistance Commission • Voluntary Voting System Guidelines, still a recommendation, not a requirement • Some states have voted to make this mandatory, however • Fully browsable online • Reads more like a technical standard • More clearly focused on guiding implementers • Stipulates performance based testing for usability • Should reduce, if not eliminate, private testing that hasn't done anything measurable to improve usability or security • Eliminates direct-recording electronic machines • Seems to adopt NISTs concept of software independence • Author thinks we need a procedures standard, too • Makes sense as even secure equipment can be misused • Absence of procedural standard may even erode perceptions of technical standards • In light of future failure, critics may blame existing standard rather than absence of additional standards
40:19	<ul style="list-style-type: none"> • tail -f
40:38	<ul style="list-style-type: none"> • Monsoon settles out of court <ul style="list-style-type: none"> • http://go.theregister.com/feed/www.regdeveloper.co.uk/2007/10/31/first_gpl_suit_settles/ • Despite claims to the contrary, SFLC agreed to settle • Monsoon already expressed their desire to settle, earlier • Settlement includes unknown sum, requires Monsoon to publish source, notify customers of GPL rights, and appoint compliance officer • GPL2 remains untested in US courts • Closest precedent is Jacobsen, Artistic License case which ruled attribution clause was a condition on a contract • As a matter of contract, apparently insufficient for injunctive relief as with an infringement claim
43:11	<ul style="list-style-type: none"> • Outro
	<ul style="list-style-type: none"> • Contact me <ul style="list-style-type: none"> • Email to feedback@thecommandline.net • Web site at http://thecommandline.net/ • IM to command.line@skype • Listener comment line is 360-252-7284

Offset

Topic

- del.icio.us tag is "for:cmdln"
- <http://twitter.com/cmdln>
- I'd like to thank libsyn.com for AAC hosting and Wouter de Bie for MP3 hosting
- These notes and the show audio and music are covered by a Creative Commons license
 - <http://creativecommons.org/licenses/by-nc-sa/3.0/us/>
 - Attribution, non-commercial, share alike