

2070-03-04 Show Notes

Offset	Topic
00:17	<ul style="list-style-type: none">• Intro
00:46	<ul style="list-style-type: none">• NYT article on podio books<ul style="list-style-type: none">• http://www.nytimes.com/2007/03/01/books/01podb.html?_r=2&pagewanted=1&oref=slogin
03:02	<ul style="list-style-type: none">• DC CopyNight<ul style="list-style-type: none">• Still struggling to figure out how to get some traction• More voices to keep bar, salon setting• Return of Carey, IP law professional
04:07	<ul style="list-style-type: none">• Donate to help Joe Murphy<ul style="list-style-type: none">• http://michaelandev.com
04:55	<ul style="list-style-type: none">• Security Alerts
05:14	<ul style="list-style-type: none">• Latest worm actually helped by flaws in security software<ul style="list-style-type: none">• http://techdirt.com/articles/20070302/092436.shtml• Each added piece of software is a new opportunity for attack• Some speculate malware authors are targeting security vendors in particular• Most likely just using every opening• I would suggest that as security software becomes more popular, becomes a more likely target• And malware authors have some control over the prominence of security software
08:05	<ul style="list-style-type: none">• Malware authors now using "dynamic code obfuscation"<ul style="list-style-type: none">• http://www.securityabsurdity.com/archives/28• Utilizes code obfuscation techniques, changing symbols• Also uses multiple encryption keys• For signature based defense, this presents a combinatorial explosion• Researchers are adding a tool, VOMM, to Metasploit to do this automatically• Strengthens the case for behavior based or functional recognition• May also be worth trying to identify the common components, like VOMM, Metasploit
11:03	<ul style="list-style-type: none">• News
11:16	<ul style="list-style-type: none">• Fair use bill introduced<ul style="list-style-type: none">• http://news.google.com/news/url?sa=T&ct=us/12-0&fd=R&url=http://arstechnica.com/news.ars/post/20070228-8942.html&cid=1114009617&ei=NfDIRc79D5HMswGV8InADA• Analysis indicates the bill is actually about protecting against inducement charges, consequence of Grokster

Offset

Topic

15:46

18:33

- Speculation is that the CEA and similar lobbyists influenced the content of the bill
- What DMCA focused provisions are in the bill are sparse compared to bill Boucher introduced in 2003
- Specificity of items reduces flexibility, power of those aspects of the bill
 - Fair use is open to continual interpretation
 - Specific list precludes future interpretations
- Allowances are for circumvention but does not legalize the making or sharing of tools for doing so
- http://feeds.wired.com/~r/wired/topheadlines/~3/97482213/boucher_and_doo.html
 - More typical coverage, less critical of weakened anti-DMCA provisions
 - Quotes Boucher on why this bill is narrower
 - Hints that Boucher may try to introduce broader protections in the future
- <http://feeds.macworld.com/~r/macworld/all/~3/97602200/index.php>
 - Quotes the RIAA
 - Characterizing this as a repeal of the DMCA
 - Conflating hacking for fair use with hacking for piracy
 - Itemizes digital music, VoD and eBooks as made possible by the DMCA
- Another kerfuffle over Black Hat presentation
 - <http://www.wired.com/news/columns/0,72819-0.html?tw=rss.index>
 - RFID cloning has been demonstrated repeatedly
 - Even before HID's use of RFID, cloning of their credentials was a known weakness
 - Paget performed this demonstration previously
 - If Paget built his demo system from standard parts, with no knowledge of HID's technology, what are the implications of the patent protection?
 - Tobacco company metaphor is pretty clear, though the HID reader patents aren't as obviously bogus
 - This is solely and unambiguously about silencing criticism at the expense of user security
 - This is a Diebold-like mentality
- Discussion of the Single Responsibility Principle
 - <http://www.codinghorror.com/blog/archives/000805.html>
 - Relates it, through cute movie reference, to a few other important principles
 - Do not repeat yourself
 - Once and only once
 - Single point of truth - isn't this the same as DRY?
 - I disagree about this conflicting with the generalist urge

Offset	Topic
23:22	<ul style="list-style-type: none"> • Agree that it is counterintuitive • Following SRP leads to smaller, more loosely coupled pieces • Much easier to identify relationships, properties and behaviors as a result • I contend that that is more OO and general, easier to re-use objects for new purposes • A counter intuition <ul style="list-style-type: none"> • If two classes have the same attributes but are not the same, they should be defined separately • Example from database • Journal and security log tables • Same columns, but not the same thing • Following through on SRP may introduce more classes as relationships may get more complex • First nanoscale carbon based transistor <ul style="list-style-type: none"> • http://go.theregister.com/feed/http://www.reghardware.co.uk/2007/03/01/boffins_build_room_temp_one-electron_transistor/ • Constructed of a sheet of carbon one atom thick • Talked about 1THz transistor in show 78 on 12/17/2006 • Unlike the 1THz component, this is room temperature • Uses an existing design, single electron transistor • Past implementations needed to run near absolute zero • Has the potential for improved power consumption and possible performance • Sounds less developed then 1THz transistor <ul style="list-style-type: none"> • Etching process is unreliable, not always yielding small enough structures • Alterations in surrounding carbon can scatter the single electrons
26:00	<ul style="list-style-type: none"> • <code>tail -f</code>
26:19	<ul style="list-style-type: none"> • Elektra v. Barker arguments available but no ruling, yet <ul style="list-style-type: none"> • http://recordingindustryvspeople.blogspot.com/2007/02/elektra-v-barker-making-available-oral.html • Wrote about this on the site on 1/25 of this year • This is a key case which can change the nature of internet sharing • Attorney's arguments are available at the link • No ruling, as of yet
27:27	<ul style="list-style-type: none"> • Maynor reveals flaws of Apple WiFi flaw <ul style="list-style-type: none"> • http://feeds.feedburner.com/~r/arstechnica/BAaf/~3/99107181/7298 • Does seem to prove some of his claims about Apple trying to suppress or alter the story • Maynor claims he will no longer exercise responsible disclosure, avoiding direct communication with Apple of future research • Latest OSX, 10.4.8, does indeed seem to have fixed the issue • Demonstrated a crash with 10.4.6 with the original code

<u>Offset</u>	<u>Topic</u>
28:48	<ul style="list-style-type: none">• Claims will show full control in the future• 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• del.icio.us tag is "for: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<ul style="list-style-type: none">• http://creativecommons.org/licenses/by-nc-sa/2.5/• Attribution, non-commercial, share alike