

Offset	Topic
00:17	<ul style="list-style-type: none"> • Intro
	<ul style="list-style-type: none"> • Offered another review copy <ul style="list-style-type: none"> • http://www.upress.umn.edu/Books/G/galloway_exploit.html • The Exploit, A Theory of Networks • Alexander R. Galloway and Eugene Thacker • Same publisher as OurSpace • Expect a review in a few weeks • Quick review, Mathematicians in Love, Rudy Rucker <ul style="list-style-type: none"> • Reminded me of Spaceland • Characters a bit more likable, stronger • Still quite trippy
04:16	<ul style="list-style-type: none"> • Security Alerts
04:35	<ul style="list-style-type: none"> • VM based rootkits prove easily detectable <ul style="list-style-type: none"> • http://rss.slashdot.org/~r/slashdot/eqWf/~3/164068160/article.pl • Paper presented at HotOS workshop • Authored by CMU, Stanford, VMware and XenSource • Short paper, six pages • At issue is transparency, defenders want to use VMM for sandbox • Do not want malware to detect VMM • Attacker could, potentially use transparency to hide attack, too • Researchers don't think transparency is possible • Point out, prove, that performance, compatibility not the same as transparency
07:53	<ul style="list-style-type: none"> • Undocumented bypass in PGP whole disk encryption <ul style="list-style-type: none"> • http://rss.slashdot.org/~r/slashdot/eqWf/~3/165301467/article.pl • Until recently, a recovery feature that was not documented • Can set a boot password that bypasses encryption • Speculation is malware could prompt for password and override PGP using this feature • Author found command line argument to interrogate, clear bypass setting • PGP responds with some clarification • You may have legit access to the secure volume • Bypass feature is transient, after reboot, clears itself • The interchange with Jon Callas of PGP is interesting • Securology possibly exaggerates the risk, Callas perhaps underestimates the potential for exploit • Reality is user needs to be aware, only real issue here is lack of documentation

Offset	Topic
11:29	<ul style="list-style-type: none"> PGP has committed to fixing documentation News
11:43	<ul style="list-style-type: none"> First RIAA file sharing trial <ul style="list-style-type: none"> http://feeds.wired.com/~r/wired/topheadlines/~3/164299452/index.html Threat Level blog has complete coverage of events First to go before a jury, others were dismissed, settled or are pending Case was based on 30-year-old single mother of two, Jammie Thomas, distributing 26 songs Virgin withdrew one song ISP records show IP associated with Thomas shared 1,700 songs Apparently labels could have gone after all but exercised restraint A little concerned about the level of copyright ignorance revealed during jury selection Understandable but this is going to be a key case to both sides Coverage also points out issues of technical literacy If the jury is struggling, how can we know if justice is really being served? Correlations, same username on multiple of Thomas' accounts, is pretty damning The fact that Thomas had her hard drive replaced doesn't help Struck by the speed of the trial There are clearly larger issues at stake Is a P2P user the same threat as a mass duplicating pirate? Case stuck to just the question of whether Thomas infringed Judge's instruction, that making available is enough to find against defendant is distressing I suppose it speaks to intent, responsibility, but I worry that the line is too fuzzy Already suggested RIAA could use this to go after blogs that link to material Jury ultimately decided for the RIAA, awarding over \$200K Sets precedents for future cases RIAA did not have to show P2P software was installed or defendant was at the PC at time of infringement Worse, ruling establishes that sharing is enough, no one has to take a copy for case to be made for infringement Thomas maintains innocence, may appeal Felten on RIAA <ul style="list-style-type: none"> http://www.freedom-to-tinker.com/?p=1209 Wisely cautions not to read the implications of the ruling too broadly Also points out the strong correlations, hard to overlook

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28:02

- Not just the username, but also songs were from many of Thomas' favorite artists
- Points out likelihood is important, not standard of reasonable doubt; civil case
- Re-inforces standard of likelihood, so-called 51% rule
- Felten feels damages are punishment, not compensation
- Argues way out of line with market damage
- I agree but specifically because number of downloads from Thomas were not specified
- Amounts are established by statutory damages under copyright law
- Didn't speak to any of the precedents, standards that may be cited in other, similar cases
- Did clarify some of the issues in the comments
- Copyright Czar endorses RIAA trial verdict
 - <http://rss.slashdot.org/~r/slashdot/eqWf/~3/166084477/article.pl>
 - Reinforces those who believe copyright is about perfect control
 - This is the damage of the ruling
 - Did Thomas, other file sharers, really affect the industry?
 - Is the industry driving more to alternatives, like Amazon, iTunes and P2P by fleecing their customers?
 - Not really sure this trial changed anything
 - The arguments on both sides are the same
- Help creators keep their copyrights
 - New education site by professor Tim Wu
 - http://en.wikipedia.org/wiki/Tim_Wu
 - Professor at Columbia Law
 - Known most widely for speaking on network neutrality
 - <http://feeds.feedburner.com/~r/boingboing/iBag/~3/163908639/keep-your-copyrights.html>
 - KeepYourCopyrights.org
 - Identifies transfer of rights as problematic
 - Aims to educate lawyers, non-lawyers
 - Has examples of contracts with problem language
 - Clearly educates on contracts, too, as mechanism for transfer or retaining rights
 - Read through some of it, very accessible explanations
 - Site is all static content, no search interface but a glossary
 - Feels more like a book, meant to be read start to finish
 - Would probably make a good book
 - Wonder at other possibilities, though, a wiki for comments, for instance
 - <http://feeds.arstechnica.com/~r/arstechnica/BAaf/~3/164283211/20071002-tim-wu-rol.html>

Offset	Topic
32:33	<ul style="list-style-type: none"> ● Also launched a free database of court decisions, AltLaw ● Includes Supreme Court and Federal Appellate opinions ● Does not yet include Federal District or State court opinions, yet ● Federal District opinions are currently only available online in a clunky, for pay system, Pacer ● AltLaw is pretty much a search system, no real browsing interface ● Both projects part of Columbia's Project on Law and Technology ● Distributed, collaborative artificial selection experiment <ul style="list-style-type: none"> ● http://www.boingboing.net/2007/10/01/mutating-pictures-us.html ● Created by Philipp Lenssen ● Uses 1000 random images ● Visitors vote on most face like ● Winners are mutated to form a new generation ● Voting is repeated ● Re-visiting, pictures, votes have different targets ● Wrote the author ● A free lance programmer, artist ● Doing it more as an art project, out of curiosity ● Not an academic though this is predicated on some interesting theories ● Originally, I had the idea in a train while looking at a screenshot from Space Invaders from an issue of Retro Gamer. Look at this screenshot: http://www.c-sharpcorner.com/UploadFile/mgold/SpaceInvaders06292005005618AM/Images/SpaceInvaders.jpg These enemy sprites reminded me of how it would be cool to mutate these sprites, as they are so simple yet cool shapes. Since then I shifted the idea from pixels to polygons but that was how I got to it...
35:37	<ul style="list-style-type: none"> ● <code>tail -f</code>
35:57	<ul style="list-style-type: none"> ● GAO on FCC's enforcement of ex parte rules <ul style="list-style-type: none"> ● http://feeds.arstechnica.com/~r/arstechnica/BAaf/~3/164967696/20071003-report-fcc-lets-well-connected-groups-learn-private-info-early.html ● Wrote about Frontline accusing FCC, Verizon of not releasing all details of communication ● Not the same as the other rules I wrote about ● GAO finds FCC releases vote schedules to some earlier than public ● Technically, cannot lobby in the week between the public release of the agenda and the vote ● Advance knowledge allows for unfair lobbying based on agenda ● GAO recommended equal access for public ● Also recommended sanctions for parties breaking rules ● Lessig on GAO report

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- http://lessig.org/blog/2007/10/back_to_the_future_the_corrupt.html
- Simply points out conflict of interest
- Insiders tip to curry favor with future employers
- Many commissioners come from ranks of lobbyists
- Recommends presidential candidates commit to only appointing commissioners who promise not to work for industry for five years after departure
- Professor Tim Wu on legality of iPhone unlocking
 - <http://feeds.feedburner.com/~r/boingboing/iBag/~3/165781990/unlocking-an-iphone.html>
 - Wu is a Columbia Law professor specializing in copyright
 - Cites the 2006 exemption, as I did in talking about this earlier, as legal basis for unlocking iPhone
 - Dismisses ToS as a concern
 - Doesn't see current means of unlocking as comparable to real reverse engineering
 - Similar to exemption, ToS may apply to tool makers, but not individuals as such
 - Thinks technical barriers are more tricky, block on tool makers may be just as effective as direct blocking of consumer
 - Also thinks blocking unlocks, 3rd parties is unwise
 - Loyal fans build hacks, drive adoption, use, innovation

42:02

- **Outro**
 - Contact me
 - 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"
 - <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
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