

<u>Offset</u>	<u>Topic</u>
00:17	<ul style="list-style-type: none"> <li>• <b>Intro</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Happy Mother's Day</li> </ul>
03:09	<ul style="list-style-type: none"> <li>• <b>Security Alerts</b></li> </ul>
03:28	<ul style="list-style-type: none"> <li>• Security flaw turns Gmail into open relay <ul style="list-style-type: none"> <li>• <a href="http://feeds.arstechnica.com/~r/arstechnica/BAaf/~3/287623857/20080510-security-flaw-turns-gmail-into-open-relay-server.html">http://feeds.arstechnica.com/~r/arstechnica/BAaf/~3/287623857/20080510-security-flaw-turns-gmail-into-open-relay-server.html</a></li> <li>• Advisory from Information Security Research Team</li> <li>• Man in the middle attack</li> <li>• Bypasses identity fraud detection and bulk mail limits</li> <li>• Made worse by high level of trust for Gmail servers</li> <li>• Talked previously about how this is starting to change</li> <li>• For anti-spam service providers, breaking of Gmail CAPTCHA is starting to affect trust</li> <li>• May go the same way with relaying, like peers Yahoo and Hotmail</li> </ul> </li> </ul>
05:17	<ul style="list-style-type: none"> <li>• Google launches security group for open source <ul style="list-style-type: none"> <li>• <a href="http://go.theregister.com/feed/www.theregister.co.uk/2008/05/06/google_launches_ocert/">http://go.theregister.com/feed/www.theregister.co.uk/2008/05/06/google_launches_ocert/</a></li> <li>• This is an all volunteer force</li> <li>• Not an official group of employees</li> <li>• Google is leading it, though, to try to better address security concerns in open source</li> <li>• oCERT, an emergency response team</li> <li>• Will actually try to coordinate efforts between authors, maintainers of projects</li> <li>• More of a communications than a coding team</li> <li>• Will try to provide support for debugging, patching to supplement coding efforts</li> <li>• Some overlap with other response teams but open sources is huge</li> <li>• If Google is able to build a better network, this could make a positive difference</li> <li>• Agree we don't need just another notice board</li> <li>• Group is already live and has issued for advisories</li> </ul> </li> </ul>
06:41	<ul style="list-style-type: none"> <li>• <b>News</b></li> </ul>
06:54	<ul style="list-style-type: none"> <li>• Could Mac-clone Psystar impact the EULA question? <ul style="list-style-type: none"> <li>• <a href="http://techdirt.com/articles/20080502/1834591016.shtml">http://techdirt.com/articles/20080502/1834591016.shtml</a></li> <li>• Psystar started offering PCs with OSX a few weeks back</li> <li>• At one point, Apple did license its OS</li> <li>• When Jobs returned to the company, he ended that program</li> <li>• Apple includes some barriers to running</li> </ul> </li> </ul>

- When OS X on Intel was announced, enthusiast started cracking
- Psystar's offering came well after interest seems to have cooled
- Biggest question is whether these so-called Open Computers are legal
- Psystar says yes, based on legal purchase
- Apple EULA says otherwise
- Explicitly says limited to running on Apple labeled computer
- Psystar has a few tactics they can try
- Claim the EULA violates first sale though this has not been tested for software
- That EULA is illegal tying
- Article is not optimistic about them even trying to make a case
- Apple hasn't taken action, yet
- The promise is a business challenging EULA
- Previously, businesses have successfully defended EULA's as binding
- Makes act of opening, using software agreement to a contract
- This would be first time a business enters the fray
- If tested, perhaps even if lost, might help redefine EULAs
- Glider software case may have copyright implications
  - <http://www.eff.org/deeplinks/2008/05/do-you-own-your-software-wow-glider-case-not-just->
  - Case actually testing bounds of licensing agreement
  - Blizzard, makers of WoW, suing Michael Donnelly author of Glider
  - Glider automates play of WoW
  - Suit is claiming Donnelly encouraged WoW owners to violate license
  - To be clear, Glider doesn't violate directly, this is an inducement claim
  - Blizzard is also claiming copyright infringement
  - Again, not direct claim against Donnelly, by claim he induced
  - Idea is that Glider loads a \*copy\* to play, infringes some distribution right
  - If Blizzard wins, could give publishers right to bar interoperability
  - EFF explains this is at its heart the debate between license or ownership
  - Argues in the worst case, license violation is breach of contract
  - Copyright infringement carries hefty statutory penalties
  - Interoperability angle could stifle innovation
  - Sad thing is, most such innovation helps the original rights holder
  - Usually an example of the rights holder not filling a need
  - In the case of software, isn't a question of substitution, like piracy
  - Glider users still need software, service subscription
  - More users may be inclined to buy, play with Glider

## Offset

16:40

## Topic

- Blizzard has filed for summary judgement
- The fact that Glider is a cheat may cloud the larger issues
- Procedural gaffe could undo several years of patent rulings
  - <http://feeds.feedburner.com/~r/boingboing/iBag/~3/284426937/us-patent-judges-are.html>
  - Law professor at GWU, John F. Duffy, identified the problem
  - Wrote a short paper detailing the issue
  - The main point is that since 2000, patent judges appointed by official with no power to do so
  - Vetted it with peers
  - DoJ had no comment, even declined to dispute at an appeals filing
  - Claim to be working on a legislative solution
  - That is a law to retroactively legalize, I suppose
  - Potential impact is staggering, calling into question thousands of rulings
  - Appointments supposed to come from the executive, the courts or heads of departments
  - A 1999 law gave power to director in the PTO
  - This is arguably unconstitutional but only challenged, now
  - Two possible defense already have case precedents that shoot them down
  - Single key case is Freytag v. Commissioner in 1991
  - Consider appointees with less power than patent judges
  - Also restricted appointment power to cabinet level departments
  - Affected rulings by panels including post-2000 appointees would have to be re-heard
  - Depending on affected cases, may add some pressure to patent reform
  - Assumes that re-hearings would use current law as opposed to law at the time
  - No idea how this works
  - Appellees may feel they'd be better served under new law
- Correcting chip defects post fabrication
  - <http://rss.slashdot.org/~r/slashdot/eqWf/~3/284600846/article.pl>
  - One of the barriers to scaling chips down is the limited precision
  - Mistakes creep in, more so as die sizes shrink
  - These defects allow voltage to leak or fluctuate
  - Components end up performing poorly or not at all
  - New research shows a technique for fixing errors at such small scales after the fact
  - Technique developed by Professor Stephen Chou and grad student, Qiangfei Xia at Princeton
  - Real problem is randomness inherent in manufacture processes
  - Especially as single particles are used for etching

21:18

## Offset

## Topic

- Method is called Self Perfection by Liquefaction
- Melts components after fab and uses different forces, like surface tension
- Liquids tend to better organize into geometric shapes
- Helps straighten lines, square edges
- Heating has been used for plastics
- Not ideal for chips, higher melting point of semi-conductors, other materials would affect everything on the die
- Also, uniform heating would warp shape of elements
- Solve uniform heating with an excimer laser, very precise
- High surface tension means metals, semiconductors only need to be liquid for the briefest time
- Use a quartz plate as a template to help components keep shape
- Also doesn't require detailed, costly measurement of other correction techniques
- Forces involved ensure all components correct equally without tailored work
- Even allows some things other methods cannot
- Moving the quartz plate further way, the liquid metals move up towards it
- Results in higher, thinner elements, highly desirable
- Seems like it could be introduced to industry soon

25:36

- `tail -f`

25:55

- House passes PRO-IP bill
  - <http://feeds.arstechnica.com/~r/arstechnica/BAaf/~3/286360444/20080508-house-overwhelmingly-passes-controversial-pro-ip-act.html>
  - This bill increases statutory damages
  - Would establish an infringement enforcement division in the DoJ with a new federal copyright czar
  - Also adds seizure powers similar to drug laws
  - Already amended to reduce damage changes
  - Still has to pass the Senate
  - Senate still hasn't taken up the bill in earnest
  - Also, president has expressed reservations about the bill

27:27

- RIAA says DRM is coming back
  - <http://arstechnica.com/news.ars/post/20080508-if-music-drm-is-dead-the-riaa-expects-its-resurrection.html>
  - David Hughes, head of RIAA technology
  - Claims opening up of music is temporary
  - Thinks subscription service is the model that will win
  - Only considers subscriptions with DRM as workable
  - Despite the launching of Magnatune's well subscription service
  - Also continued success of eMusic which doesn't use DRM

## Offset

## Topic

- Overlooks that customers are irked by irrational limits
- See the kerfuffle over shuttering of MSN Music
- Means that move away from DRM may have more to do with competition with iPod than any industry intelligence
- Felten on return of DRM comments
  - <http://feeds.freedom-to-tinker.com/~r/freedom-to-tinker/~3/286836316/>
  - Points out past predictions of success of subscriptions with DRM
  - Has yet to come to pass
  - Why should now be any different?
  - Sees the drive to subscriptions as a question of scale
  - Subscription is one way to bundle songs, rather than fill ever large devices one song at a time
  - Also thinks success of traditional models without DRM suggest bundling, subscription can be done without DRM

29:53

## • Outro

- Contact me
  - Email to [feedback@thecommandline.net](mailto:feedback@thecommandline.net)
  - Web site at <http://thecommandline.net/>
  - IM to [command.line@skype](mailto:command.line@skype)
  - Listener comment line is 240-949-2638
  - del.icio.us tag is "for:cmdln"
  - <http://twitter.com/cmdln>
- I'd like to thank [libsyn.com](http://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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  - Attribution, non-commercial, share alike