

Offset	Topic
00:17	<ul style="list-style-type: none"> • Intro
01:10	<ul style="list-style-type: none"> • Security Alerts
01:29	<ul style="list-style-type: none"> • Talking trojan <ul style="list-style-type: none"> • http://go.theregister.com/feed/www.theregister.com/2007/07/03/talking_trojan/ • Uses Windows text to speech feature to taunt user, explaining it is deleting files • Trojan tries to delete files • Analysis seems to indicate the trojan doesn't execute very well • Spreads via infected web sites and as a trojan file on p2p networks • A throwback to malware written for reputation? • Why else would it act so destructively and taunt the user?
02:58	<ul style="list-style-type: none"> • Problems verifying the PoC "Blue Pill" rootkit <ul style="list-style-type: none"> • http://feeds.arstechnica.com/~r/arstechnica/BAaf/~3/129818230/20070702-disagreement-surfaces-over-the-state-of-blue-pill-rootkit-development.html • Security research Joanna Rutkowska made claims last year that she could build an undetectable rootkit • Relied on new virtualization technology, particularly AMD's toolkit • Idea is not far fetched, OS typically doesn't know it is being virtualized • Anything at the level of the VM has greater access by definition • Other researchers, developers of a hypervisor rootkit detector, have issued a challenge • Want to test this at Black Hat this year • Rutkowska claims she needs six months with two full time engineers to be ready • Also wants someone to subsidize her development • Left her employer, COSEINC, to found own company • Claims had to start over, reasonable given how IP goes • Challengers are interpreting this as proof she has nothing • Ars thinks this will never be tested • Will she still developer Blue Pill if no one subsidizes it?
06:07	<ul style="list-style-type: none"> • News
06:21	<ul style="list-style-type: none"> • Intel's strategy for memory hierarchy with multiple cores <ul style="list-style-type: none"> • http://feeds.arstechnica.com/~r/arstechnica/BAaf/~3/129630147/cache-mem-many-core.ars • A good explanation of the scaling issues of multiple cores • Points out virtualization can make this worse • Also made worse by Intel's plans of using different kinds of cores

- Heterogenous network on a chip
- Would make resource coordination that much harder
- Each type has different resource usage patterns
- Intel's idea is to use QoS, an older idea, to help ease contention
- QoS is just prioritizing different requests differently
- QoS tracked at CPU thread level, part of thread state along with some utilization info
- OS and VM monitor have to be re-tooled to take full advantage
- Responsible for assigning priority, saving QoS data
- Hardware unit, dynamic quality monitor, tracks priority usage of resources and adjusts
- Discusses in detail how the DQM achieves better memory access for higher priorities
- Pretty clever, just seems to re-use existing processing elements and caches, not just data but instruction
- Prototype system shows promising improvements but so far only loaded with simple apps
- IBM has utilized some of the techniques, Intel is the first to suggest combining all of them
- Would only increase programming complexity incrementally
- Re-uses what we already know
- Does this imply that the improvements are limited?
- That is, how well will this really scale, real world?
- Is it just a bridging strategy, complementary to RAMP efforts and likely to be superseded?
- iPhone hacks
 - Folks expressing owner override
 - Phone, network only small part of device's capabilities
 - Why doesn't Apple allow use without activation?
 - No response to hacks from Apple
 - No press release
 - No patches
 - Progress unlocking iPhone
 - <http://feeds.macworld.com/~r/macworld/all/~3/129971515/index.php>
 - Some background on early efforts
 - What's most remarkable is how quickly this has gone
 - Does indicate lock is based on SIM card
 - Perhaps this means iPhone could be used with another network
 - DVD Jon unlocks iPhone without activating with AT&T
 - http://feeds.feedburner.com/~r/boingboing/iBag/~3/130322432/iphone_dvd_jon_claim.html
 - Points out a simpler hack, get pre-paid plan then cancel

Offset

Topic

18:32

- Jon's hack is Windows only
- Still seems to require some implicit knowledge
- From comments, reading the source may yield an interpretation of "magic numbers"
- Second AT&T-less activation confirmed
 - http://feeds.feedburner.com/~r/boingboing/iBag/~3/130546217/iphone_a_second_atl.html
 - iPhone dev wiki, same as MacWorld article
 - Relies on "known token" from activated phone
 - Token believed to contain or be associated with identifying data
- Another iPhone hack that exposes more internals
 - <http://feeds.engadget.com/~r/weblogsinc/engadget/~3/131111251/>
 - iPhoneInterface, a tool for examining internals
 - Allows changing the phone's file system, running services
 - Clearly could be used to enable other hacks
 - At a minimum article suggests copying files to bypass sync
- Update on Show Us the Code protest site
 - <http://rss.slashdot.org/~r/slashdot/eqWf/~3/129936983/article.pl>
 - Honestly don't remember this site in the furor over Microsoft's patent claims
 - Some are drawing slightly off conclusions
 - digduality explicitly says his job was never threatened
 - Also never claims he knows how he was identified to his employer
 - The Inquirer, however, claims his job was threatened and they spotted his few uploads
 - This is unfortunate but understandable for those looking to further demonize Microsoft
 - Did he approach EFF or Public Knowledge or anyone else for help?
 - Did mention going to Linux vendors, some who have since cut patent deals
 - Seems like a bit more savvy might have served this better
 - Should have researched the Forbes journalist
 - Activism takes more staying power, better knowledge of your rights
 - Would have also been well served by reading up on bloggers' rights
 - How did he intend to enforce his original deadline?
 - Must have a reasonable expectation of effecting change
 - Not necessarily changing Microsoft, but perhaps reaching someone in USPTO or mobilizing big players in Linux community
- Open Knowledge's archive network launches
 - http://feeds.feedburner.com/~r/boingboing/iBag/~3/130800850/open_knowledge_archi.html
 - CKAN, Comprehensive Knowledge Archive Network

22:58

Offset

Topic

- Similar to CPAN, indexes other open knowledge projects
- Open Knowledge is trying to provide other tools, like open source services
- KnowledgeForge, mailing lists, wikis and the like specifically to support open knowledge projects
- Provide a clear definition of open knowledge--free to use, re-use and distribute
- Seem to be defining package, in terms of knowledge, as large, discrete collections
- Also seem to view packages as installable in some fashion
- FAQ clarifies why this is different from CC discovery tools
 - OK doesn't consider "non-commercial" constraint as compatible with "open"
 - Doesn't mention share-alike, how is it technically any different?
- 55 packages, so far, not much you can do other than browse the list
- Anyone can add a package, like software repositories
- Interesting idea of wrapping tools around this
- Is this a good idea, though?
- With a small list, obvious this is not all inclusive
- Does it run the risk of Wikipedia, of users thinking it is more authoritative than it is?
- Will providers go along with idea of installable packages?
- Where collections are on the web, they may be using secondary means of monetizing, e.g. ads
- Re-packaging and allow "installation" may conflict with those trying to expose ads or other offerings

28:13

- `tail -f`

28:32

- UMG response to NYT
 - http://go.theregister.com/feed/www.theregister.com/2007/07/03/umg_apple_itunes/
 - Wrote about this on the web site
 - This confirms that UMG will continue to offer catalog "at will"

30:12

- SF court gainsaying email right of privacy?
 - <http://news.google.com/news/url?sa=T&ct=us/10-0&fd=R&url=http://www.ktvu.com/news/13635271/detail.html&cid=1117826609&ei=Ja-PRo6jB4f40QGVvK2aDA>
 - Potentially confusing story
 - Former ruling was in 6th circuit court, story from the 24th
 - This ruling was made in 9th district court
 - Article doesn't mention case by name
 - Does this overturn 6th circuit ruling?
 - Quotation seems to indicate it is the same case
 - The 9th circuit ruling seems restricted to addresses, not message content

<u>Offset</u>	<u>Topic</u>
33:05	<ul style="list-style-type: none">• Does not apparently overturn 6th circuit ruling but not seeing much coverage of this story• 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"• 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<ul style="list-style-type: none">• http://creativecommons.org/licenses/by-nc-sa/3.0/us/• Attribution, non-commercial, share alike