Illegal Software

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Disclaimers

- I am not a law professor (but I understand technology)
- This is political: I have opinions
- The lecture is US-centric, though similar fights are playing out all over the industrialized world

Poll: Do these mean anything to you?	
Phil Zimmerman	• PGP
 Daniel Rung 	Grokster
 Chris Soghoian 	 NWA Boarding Pass Generator
 Tim Jung, Ross Combs, and Rob Crittenden 	• BnetD
 Jon Lech Johansen 	• DeCSS
 Dmitry Sklyarov 	Advanced eBook Processor
 Static Control Components 	 Toner Cartridges for Lexmark
 Matthew Crippen 	 Xbox modding
Other World Computing	 iDVD patch for external drives
 iPhone 	 Jailbreaking

Two Competing Views

- Programs are bits
- In general, bits are information.
- In particular, programs convey creative information to programmers, students, and others.
- Information is protected by freedom of speech Therefore, programs are protected speech
- Computers are devices
- Purpose of programs is to make computers work
- In particular, programs can launch rockets, control the power grid, copy music, play movies, and forge documents
- Devices can be regulated by the government
- Therefore, programs are devices and can be regulated





"An item of some controversy ... is the extent to which CSS-encrypted DVDs can be copied even without DeCSS. The record leaves largely unclear how CSS protects against the copying of a DVD..."

Universal City v. Reimerdes Opinion by Judge Newman US Court of Appeals for the Second Circuit

(Only a judge who doesn't get the very basics of technology could have written this. Everyone understands that garbled text printed on a page can be copied letter-by-letter without being deciphered; the same applies to encrypted bits. CSS does not protect against copying—it cannot.) "Current jailbreak techniques now in widespread use utilize unauthorized modifications to the copyrighted bootloader and OS, resulting in infringement of the copyrights in those programs."

> Comment of Apple, Inc. In Opposition to EFF's Proposed Exemption for Phone Jailbreaking

(note 1: the OS is available free on Apple web site) (note 2: the copyright office granted the exemption July 2010)

Some Interesting Links

- Chris Soghoian's boarding pass generator: http://www.dubfire.net/boarding_pass/
- An example consumer software license (used to argue that bnetd should be shut down because of reverse engineering):

http://us.blizzard.com/en-us/company/legal/wow_eula.html

- Gallery of CSS Descramblers (arguing for code=speech) <u>http://www.cs.cmu.edu/~dst/DeCSS/Gallery/</u>
- The story of Dmitry Sklyarov's arrest under DMCA: <u>http://news.zdnet.com/2100-9595_22-116424.html</u>
- The story of Matthew Crippen's trial under DMCA http://www.wired.com/threatlevel/2010/12/crippen-dismissed/
- Examples of DMCA's effects: <u>https://www.eff.org/files/eff-unintended-consequences-12-years.pdf</u>