

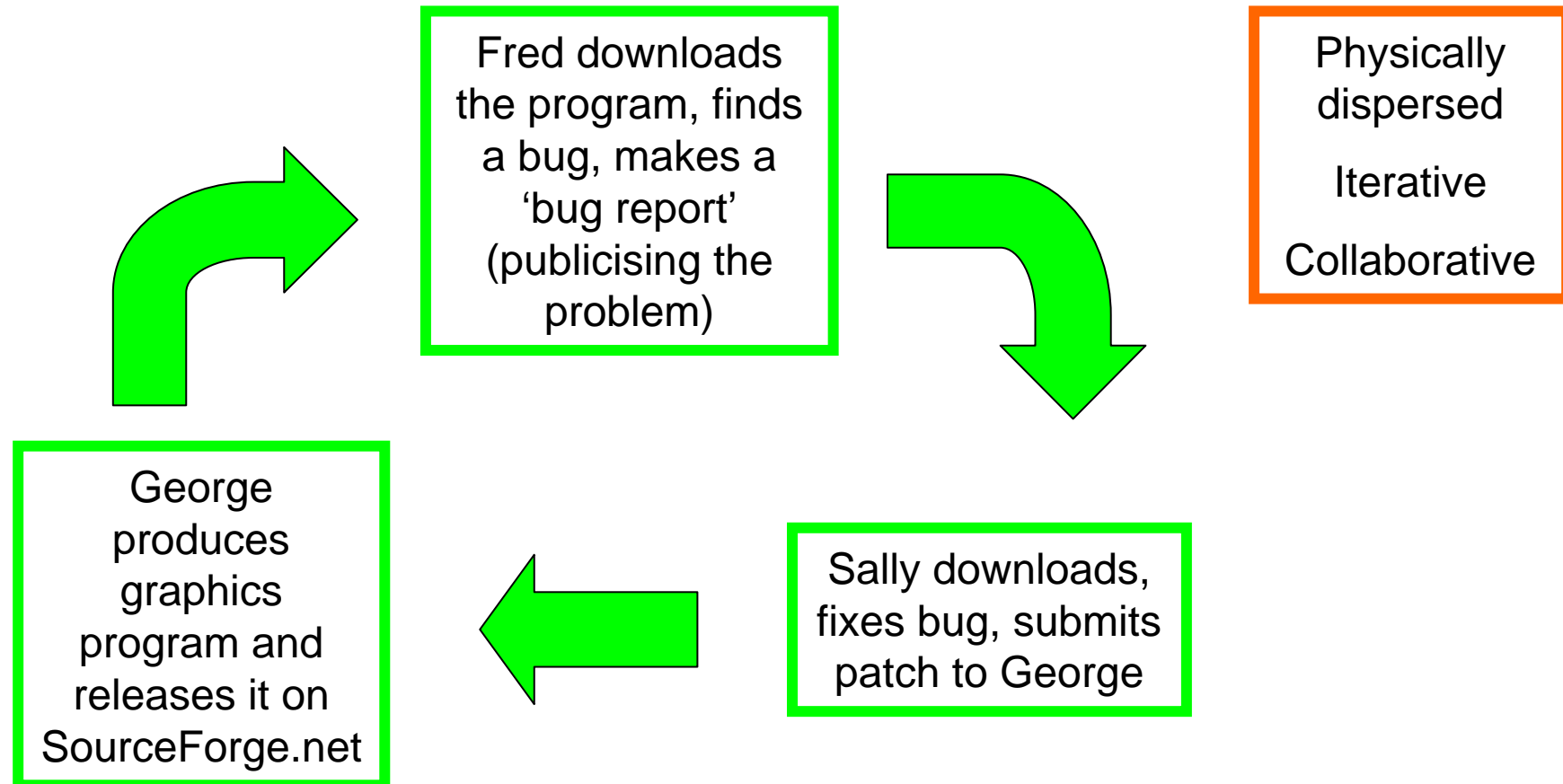
To protect or block?

Technological protection measures and the open source community

Kimberlee Weatherall
ACIPA Conference February 16 2007



Open source production





SourceForge is Hiring

Project of the Month
FreeCol



Registered Projects: **141,334** Registered Users: **1,510,953**

Project News RSS

Freemage 3.9.3 released

2007-02-11 19:57 - Freemage

Freemage is an Open Source library project for developers who would like to support TIFF and others as needed by today's multimedia applications. Freemage is easy to use on versions of Windows, and cross-platform (works both with Linux and Mac OS X).
[Read More >](#)

Drake CMS v0.3.2 Beta 2007-02-11 19:55

Open Yahtzee 1.7 Released 2007-02-09 14:03

MiniWebsvr 0.0.6 Released 2007-02-09 14:02

[Project news archive >](#)

Software Categories

- Clustering
- Database
- Desktop
- Development
- Enterprise
- Financial
- Games
- Hardware
- Multimedia
- Networking
- Security
- Storage
- SysAdmin
- VoIP

Featured Downloads

100+ Ajax Components/Tools TIBCO GI

Create Ajax Apps that look and feel like desktop GUIs. Open Source Download.

[Download](#)

Splunk Server

Splunk, search software that indexes all your log files to solve critical problems.

[Download](#)

SourceForge Enterprise Edition

Download a free, 15 user version of SourceForge Enterprise Edition

[Download](#)

Site News RSS

SourceForge.net Changes: New Navigation and Other Updates

2006-10-26

On Monday (Oct 23rd), we pushed out our latest site code. With this push we launched our new project navigation. We hope you like it. We also added new functionality to Search that highlights exact matches on both the project name and the project Unix name.
[\[Read the full announcement\]](#)

Statistics

Most Downloaded:

- eMule
- Ares Galaxy
- Azureus
- GTK+ and The GIMP installers for Windows
- Audacity

Free Network Management

Download our Free Network Management Software Now!
www.spiceworks.com

SugarCRM

... local support. Hosting, and Training
www.sugarcrm.com.au



Make CVS and Subversion better! Have everyone working at LAN speed over a WAN.

[FREE Evaluation](#)

Registered projects: 141,334
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[statistics]

- Commercial firms would need to spend €12 billion to produce the equivalent of currently available free software
- European firms have invested €1.2 billion in developing free software
- IBM's revenue from Linux-related services grew from ~zero to US\$2 billion 2000 - 2003
- Hewlett-Packard, IBM, Novell all have significant investments in OS

Market	Proprietary	FLOSS	FLOSS Market share
Desktop Operating Systems	Windows, Vista Mac OSX	Linux-based eg Ubuntu, Suse	5% (global, 2004)
User apps	MS Office	Open Office	8.5% major US companies
Web Browsers	Internet Explorer	Firefox	10-20% (Europe)
Database	Oracle	MySQL	33% (Europe)
Server Software	Microsoft Server	Apache	70% (global)
Mail Servers	MS, Lotus	Sendmail etc	47% (global)
App Servers	IBM Websphere	JBoss	37% (Europe)

the purpose of the viral license is to force you to play nice with the other children if you play at all

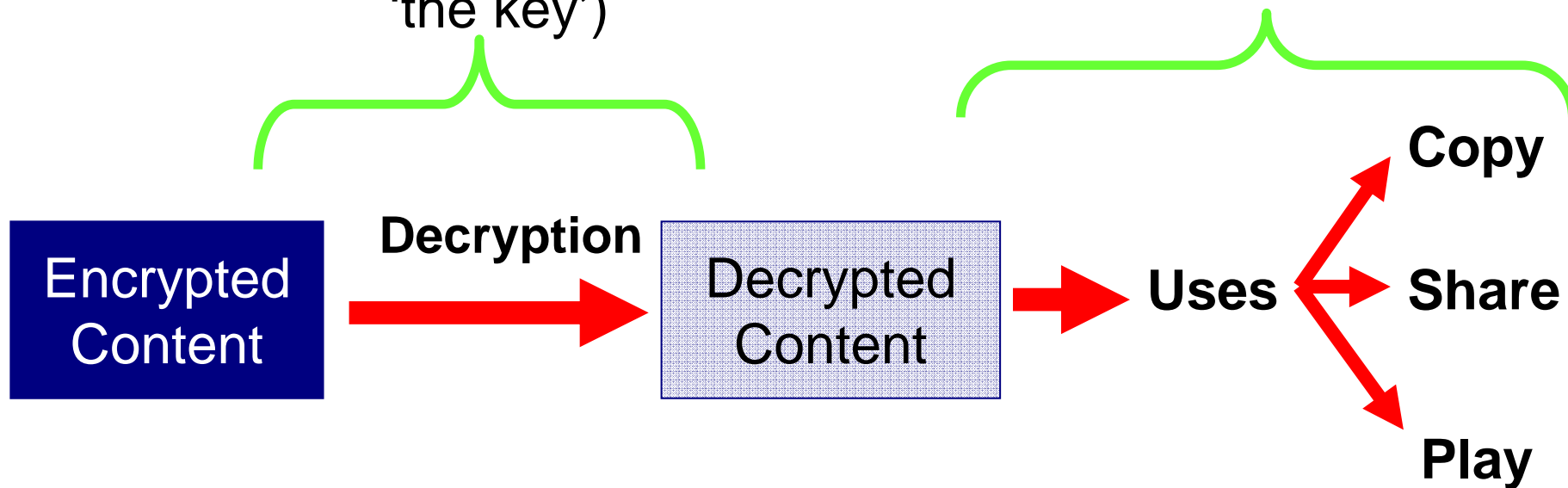
- **All open source:** you give all people the right and physical ability to use it, to give it to other people (redistribute), to modify it, and to give people your modified version – for whatever purpose
- **Copyleft:** you insist that when people redistribute modified versions, they give everyone the same set of rights in the modified version

Digital rights management

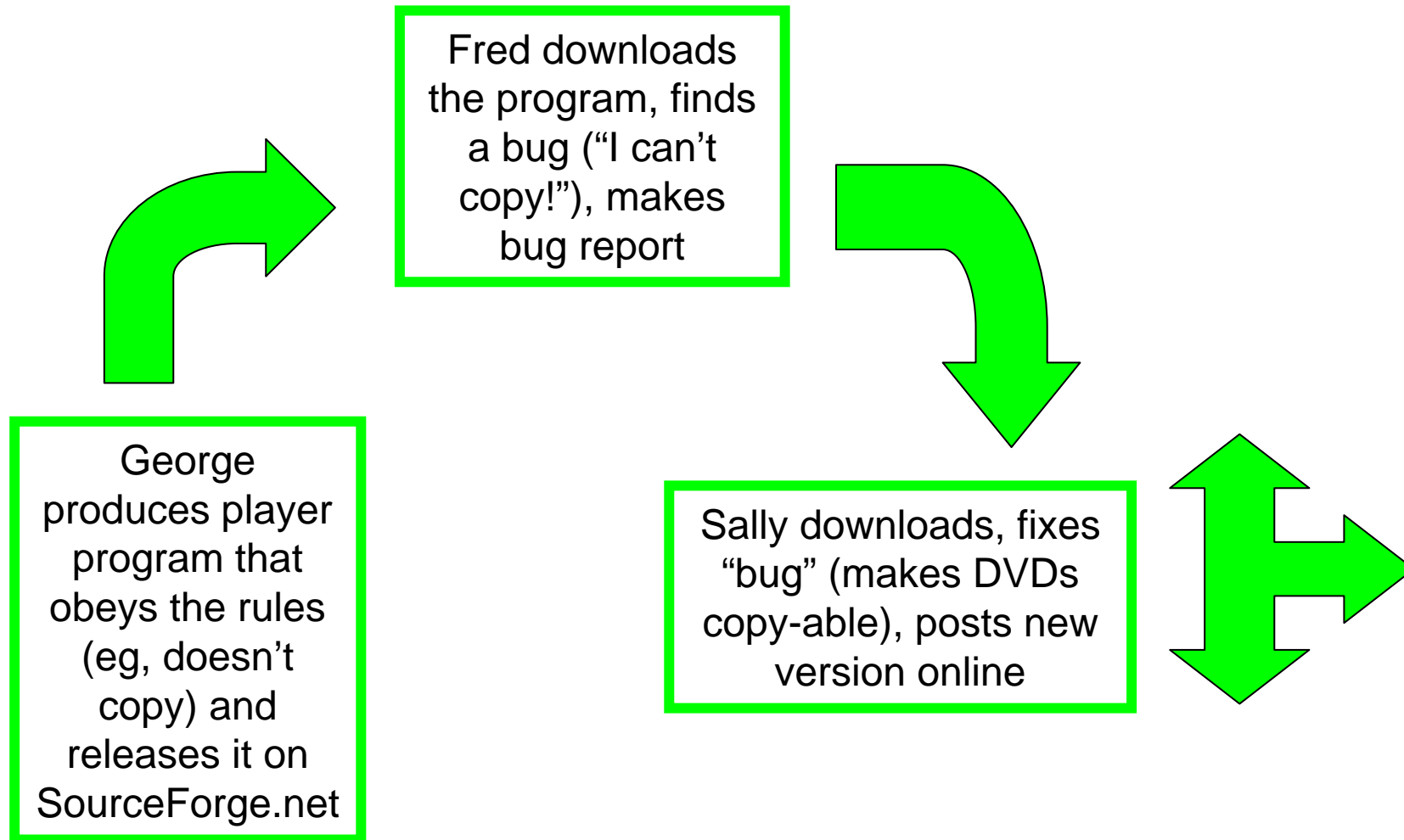
- any of several technologies used by publishers or copyright owners to control access to and use of digital works (such as software, music, movies) and hardware, handling usage restrictions associated with the work

Access Control
Ensure decryption
by 'authorised'
users/devices only
(only they are given
'the key')

Usage rights
Trust the
software/hardware
to 'obey the rules'
set by © owner



The problem with open source and the need to 'obey the rules'





The Open Source Community's own debate on TPMs

GPL v3 Draft Provisions on TPMs

- Clause 1: Corresponding Source (which must be made available) “includes any encryption or authorization keys necessary to install and/or execute modified versions from source code in the recommended or principal context of use, such that they can implement all the same functionality in the same range of circumstances. (For instance, if the work is a DVD player and can play certain DVDs, it must be possible for modified versions to play those DVDs. If the work communicates with an online service, it must be possible for modified versions to communicate with the same online service in the same way such that the service cannot distinguish.)”
- Clause 3: “Regardless of any other provision of this License, no permission is given for modes of conveying that deny users that run covered works the full exercise of the legal rights granted by this License.”

Reasoning behind GPLv3

‘One restriction my use of GPLv2 places on distributors is ‘you may not impose further restrictions’.... This is important to me: I handed them a whole slew of rights, and if they hand this code on to you, they must also hand on those rights.

Now, I don’t care **how** someone tries to add restrictions against my express intent: licensing, patents, hardware, software, TPM law or voodoo. Do not do it.’

**Proprietary
Program B**

**Open Source
Program C**

**'Secret
Handshake'
controls
'access to'
content held
by program A**



**Imitation
handshake – a
circumvention!?!**



Proprietary Program A