

Freie Software gegen unsere Freiheit

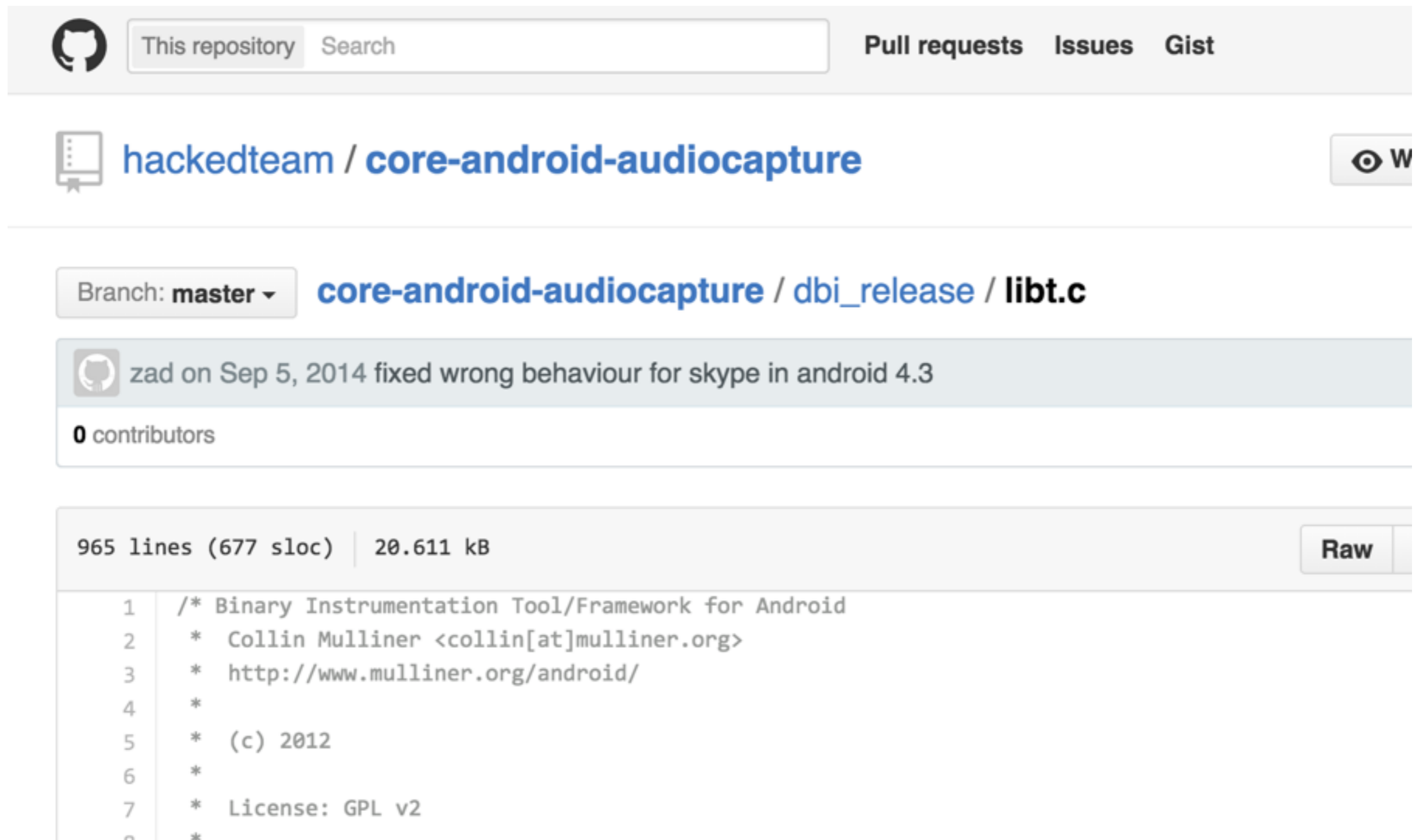


CHAOS
COMMUNICATION
CAMP 2015

Geschenkt ist geschenkt?

Thorsten (ths) Schröder

#HackingTeam Transparency Report




The screenshot shows the GitHub interface for the repository 'hackedteam/core-android-audiocapture'. At the top, there is a search bar with 'This repository' selected and a search input field. To the right are links for 'Pull requests', 'Issues', and 'Gist'. Below the repository name, the current branch is 'master' and the file path is 'core-android-audiocapture / dbi_release / libt.c'. A commit message is visible: 'zad on Sep 5, 2014 fixed wrong behaviour for skype in android 4.3'. Below the commit message, it says '0 contributors'. The file size is '965 lines (677 sloc) | 20.611 kB'. A 'Raw' button is visible on the right. The code content is as follows:

```
1  /* Binary Instrumentation Tool/Framework for Android
2  *   Collin Mulliner <collin[at]mulliner.org>
3  *   http://www.mulliner.org/android/
4  *
5  *   (c) 2012
6  *
7  *   License: GPL v2
8  *
```

Quelle: https://github.com/hackedteam/core-android-audiocapture/blob/master/dbi_release/libt.c

DARPA

- 06. April 2015
- Android PCAS
- Artikel war bald wieder offline



MARINE CORPS LEADERSHIP "VERY PLEASED" WITH 1ST SUCCESSFUL DEMONSTRATION OF DARPA'S PERSISTENT CLOSE AIR SUPPORT (PCAS) SYSTEM

April 06, 2015

Use of full prototype system during training exercise marks the first fully digital, real-time coordination of air-ground sensor capabilities between military aircraft and ground forces


DARPA Close Air Support Success

ABORT Engage.35: TASKING

Engage.35 Tasking
TGT.GEN.3 (Mortar Position)

CAS Type: 1 BOT

1. IP.GEN.3
2. None 345°M
3. 5.8 nm
4. 223 ft MSL
5. Unknown - Mortar Position
7. Laser Code: 1111
8. W 1,727 622 m



Department of Defense

- **FalconView** - PC-based mapping application
- **Open Source Software for Imagery & Mapping (OSSIM)** - geospatial image viewing (with classified plugins)
- **OSSIM Mapping Archive System (OMAR)** - video indexing
- **BRL-CAD** - solid modeling (Army)
- **Optics - MASINT** toolset (with classified plugins)
- **Delta3D** - Game/Simulation engine for modeling and simulation

Verantwortung

- Probleme mit der Verwendung des eigenen Codes in der Medizin oder Kernkraftwerken?
- Waffen und Militär?
- Repression & Überwachungsstaat?
- Skynet? ;-)

“Pacifist Clause”

- **GPU - Global Processing Unit**

- *“GPU is a Gnutella client that allows users to share CPU-resources.”*

- GPL-Ergänzung (2006):

- *“the program and its derivative work will neither be modified or executed to harm any human being nor through inaction permit any human being to be harmed.”*

Kontra

- Richard M. Stallman spricht sich vehement **gegen den Ausschluss von Militär** aus.
 - *“Freedom #0 is the freedom to run the program as you wish. If a license restricts how you can run the program, the program is not free software.” (RMS, March 2012)*
- Stallman schränkt die Freiheiten der Entwickler beim Einschränken von Freiheiten ein.

Freedom #0

Freedom 0 is the freedom to run the program, as you wish, however you wish, for any purpose.

The Open Source Definition

§6 - No Discrimination Against Fields of Endeavor

“The license must not restrict anyone from making use of the program in a specific field of endeavor. For example, it may not restrict the program from being used in a business, or from being used for genetic research.”

2015

Wenn Staaten ihre Verfassung ändern können, dann können wir das auch:
Open Source Definitionen **können**
geändert werden!

Non-Military-Usage Clause

Redistribution and use in source and binary form for military use and military research is not permitted. Infringement of these clauses may result in publishing the source code of the utilizing applications and libraries to the public. As this software is developed, tested and reviewed by *international* volunteers, this clause shall not be refused due to the matter of *national* security concerns.

Probleme

- GPL erlaubt keine Ausschluss-Klauseln
- Abgrenzung
 - Warum nicht auch Polizei, Regierung, etc?
 - Militär ist relativ klar definiert
- Manche Entwickler haben kein Problem mit MIL/INT

Umsetzung

- “Coding Commons”-Ansatz
 - Attributierung des eigenen Codes
 - Ergänzung zur herkömmlichen Lizenz
 - Modular
- Herkömmliche Lizenzformen behalten ihre Gültigkeit

CC-Module

CC-NM	Non Military
CC-NI	Non Intelligence
CC-CR	Consent Required
CC-Nx	x = Healthcare, Nuclear Plants, Automotive, ...

Konsequenzen

- Veröffentlichung des Codes
- Geldstrafe, z. B. in Form von Straf-Lizenz-Gebühren
- Öffentliche Debatte

Danke.

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