## How do you really do GPL enforcement?

aka Bringing software right-to-repair to the masses

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SFSCON 2023

Friday 10 November 2023

https://ossguy.com/talks/20231110\_sfscon/









freedom!





freedom!

to repair, modify, update our device (software)





freedom!

to repair, modify, update our device (software)

"our source request was not made because we wanted [company] to go to the website of each project it uses and give us the tarball found on that website. If that's all the GPL required, it would be quite a silly makework license. That's not what the GPL is; it requires..."





# "the scripts used to control compilation and installation of the executable"









report received (at compliance@sfconservancy.org)





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triaging of report - GPL binaries given, no source/offer?





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it works! get it to users! or...

file a lawsuit:(









talk is cheap, let's see some code





talk is cheap, let's see some code sure, we've got source code candidates for you





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https://sfconservancy.org/usethesource/





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go ahead, try them out

or keep listening if you like





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go ahead, try them out

or keep listening if you like

let's break it down...









"the scripts used to control compilation and installation of the executable"





"the scripts used to control compilation and installation of the executable"

therefore...





"the scripts used to control compilation and installation of the executable"

therefore...

does it compile?





"the scripts used to control compilation and installation of the executable"

therefore...

does it compile?

does it install?





"the scripts used to control compilation and installation of the executable"

therefore...

does it compile?

does it install?

oh, wait: is it "the complete corresponding ... source"?









where is the README?





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great! or let's try make...





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need a certain OS? sure, use that...





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is it my fault? if you followed the steps, no





where is the README?

great! or let's try make...

need a certain OS? sure, use that...

ok, now I'm compiling!

uhoh, an error

is it my fault? if you followed the steps, no

or ... I got a firmware image!





## Does it install?





let's find that README again...





let's find that README again...

one option: put it into that update UI





let's find that README again...

one option: put it into that update UI

install, works?!





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install, works?!

let's change something just to be sure





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install, works?!

let's change something just to be sure

still works! or ...





let's find that README again...

one option: put it into that update UI

install, works?!

let's change something just to be sure

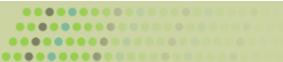
still works! or ...

uhoh, bricked my device :(









proprietary kernel modules? \* sigh \*





proprietary kernel modules? \* sigh \* any other non-source-code stuff?





proprietary kernel modules? \* sigh \*

any other non-source-code stuff?

generated stuff similar to stock image?





proprietary kernel modules? \* sigh \* any other non-source-code stuff? generated stuff similar to stock image?

no problems - huzzah!!





Does it ...? No:(





Does it ...? No :(

contact the company





Does it ...? No :(

contact the company try really hard





Does it ...? No :(

contact the company

try really hard

file lawsuit :(









offer checks!





offer checks!

CCS checks!





offer checks!

CCS checks!

let us know!





#### **Questions?**

https://sfconservancy.org/usethesource/

help us: https://sfconservancy.org/copyleftcompliance/help.html

slides: https://ossguy.com/talks/20231110\_sfscon/

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