





Agenda

- OSS at the EC
- EU-FOSSA (2015-2016)
- EU-FOSSA 2 (2017-2019)
- What next?













Open Source helps the EU







The EU-FOSSA journey







EU-FOSSA (2015-2016)



EU-FOSSA 2 (2017-2019)

















STANDING EU

ACTIVITY



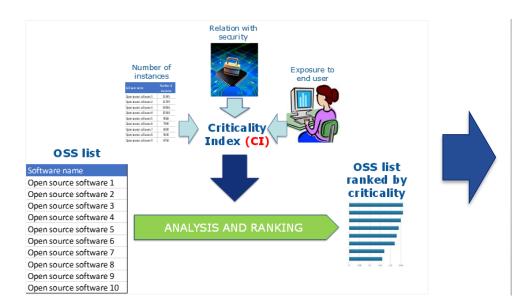








Establishing our most critical FOSS









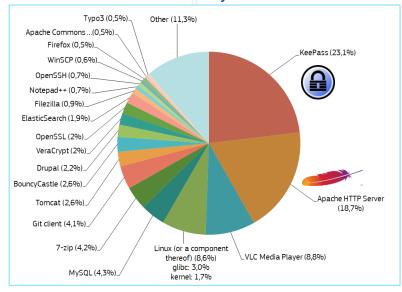
Lessons from the EU-FOSSA pilot

- Positive reaction (EU, public, FOSS communities)
- Code reviews
 - Apache HTTP server core no findings
- Only find bugs?
- Little communication/community engagement
- Methodology works



FOSS Security is really important!

Public survey results



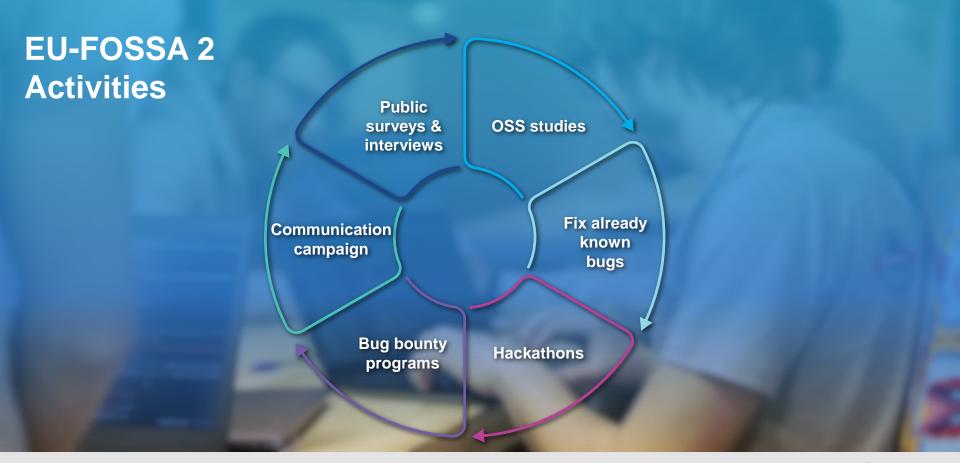
















Bug bounties [₺]

- First time in European institutions
- Primary security audit method
- Critical FOSS used in participating institutions
- 15 programmes launched (6 still running)
- 20% bonus for fixing the bug found
 - 7-zip
 - Apache Kafka
 - **Apache Tomcat**
 - Drupal
 - DSS
 - FileZilla
 - Flux TL
 - Glibc
 - KeePass

- Midpoint
- Notepad++
- PHP Symfony
- PuTTY
- VLC
- WSO2





Tomcat Bug Bounty is open until 30 November



Critical bug hidden for 20 years in PuTTy found and fixed



Bug bounty results (so far)

{∰} Bugs reported 633

Bugs accepted 195

∃

Bugs high or critical 24

Bugs high

{∰ Total Bounties paid €201k

Please note, figures are not final

VLC 3.0.7 fixes 33 security issues, one of which is a high-severity flaw in an MPEG decoder software library





Bug Bounty

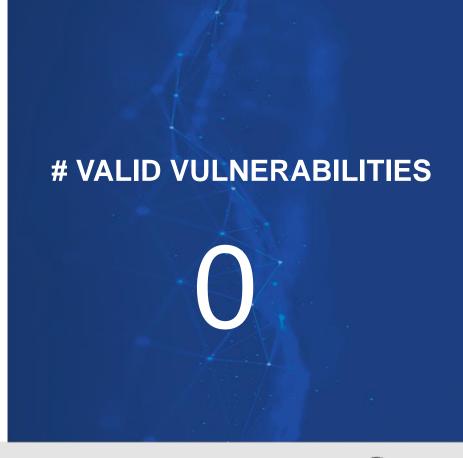


SUBMISSIONS

15

HACKERS

142







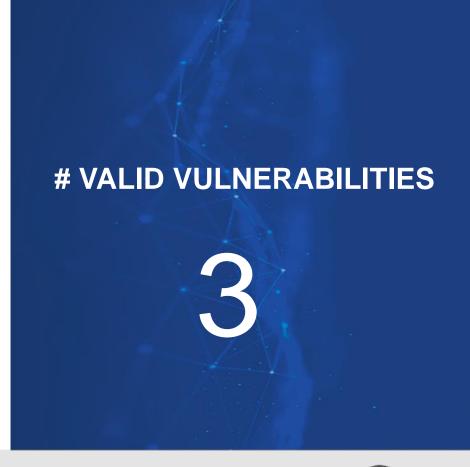
Bug Bounty



13

HACKERS

88







Three Hackathons







Watch the videos

⇒ Symfony

Apache

























Drupal patch automation



We commissioned a project to:

- Fix known critical vulnerabilities
- Automate patch updates



The vast majority of external European Commission websites run on Drupal





Listening to smaller communities

We are in the process of connecting with many small/micro communities

















autocrypt





Other studies

- IPR and IT support requirements
- State of Open Source Worldwide
 - Open source trends
 - Best practice usage by Public Administrations and key Private companies
 - Key internal/external stakeholders



Updated OSS Strategy

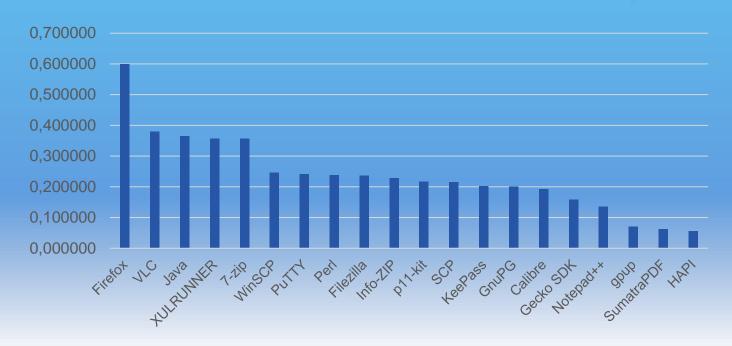






Inventory - most critical open source software we use

Top 20: Work Stations and App-V

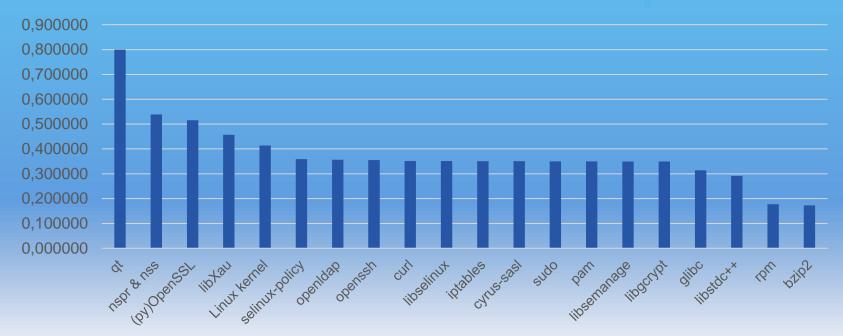






Inventory - most critical open source software we use

Top 20: Server-side







Communication Strategy







Brand touchpoints

- Brand refresh new logo and visual identity
- Website
- Goodies
- Coordination of comms efforts on:
 - Hackathons
 - Bug bounties
 - Internal / external promotion











Media interest

- Overwhelming coverage by media, both technical and generalist publications
- Over 135 news articles published on EU-FOSSA 2 in the past 8 months
- Content with the most successful performance on DIGIT's Twitter account







Next steps

- Highly successful and visible
- Hackathons → internal projects
- Project continuation being discussed
- Open source strategy being updated
- Open source use is increasing across
 European institutions







