

EU-FOSSA 2: An EU initiative to tackle security of open source software

FOSS Policy Meetup
1 February 2019

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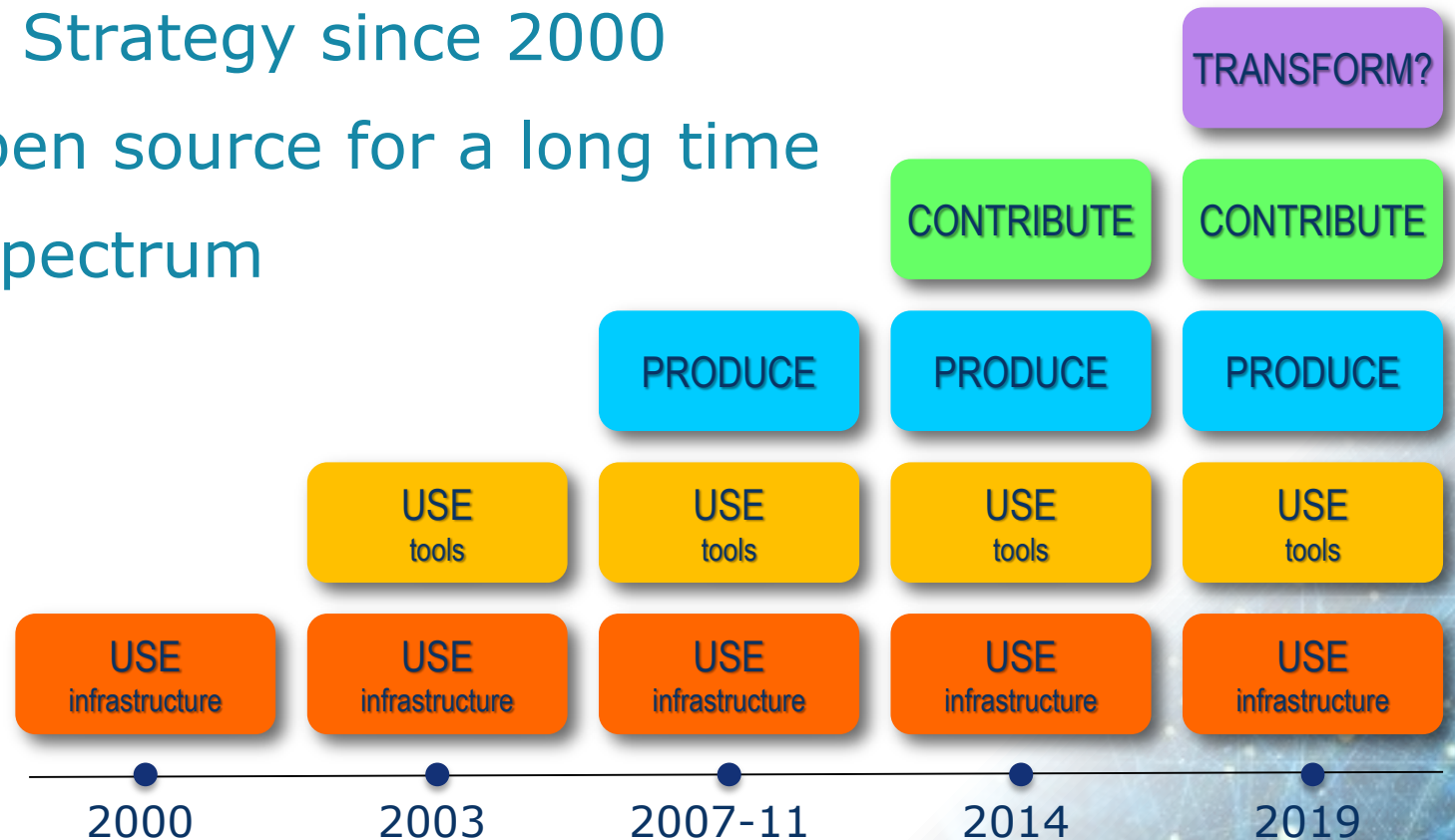
Agenda

- Background
- EU-FOSSA Pilot → EU-FOSSA 2
- EU-FOSSA 2 – Progress to date



OSS @ the European Commission

- Open Source Software Strategy since 2000
- Enthusiastic user of open source for a long time
- OSS used across the spectrum
- Refresh in 2019



EU-FOSSA journey



€500M+



EU-FOSSA
(2015-2016)

EU-FOSSA 2
(2017-2019)



1M€



2,6M€

EU-FOSSA - the Pilot project (2015-2016)

Approach

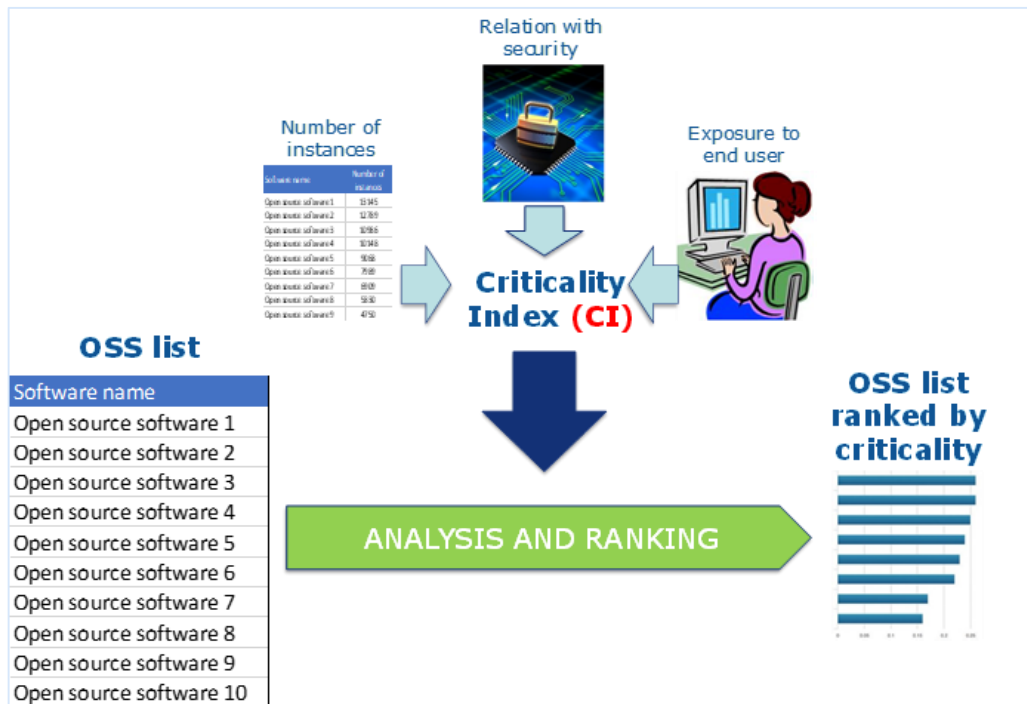
- Methodology
- Inventory of FOSS used at the EC
- Developer communities
- Public survey
- Formal code reviews



Lessons learned

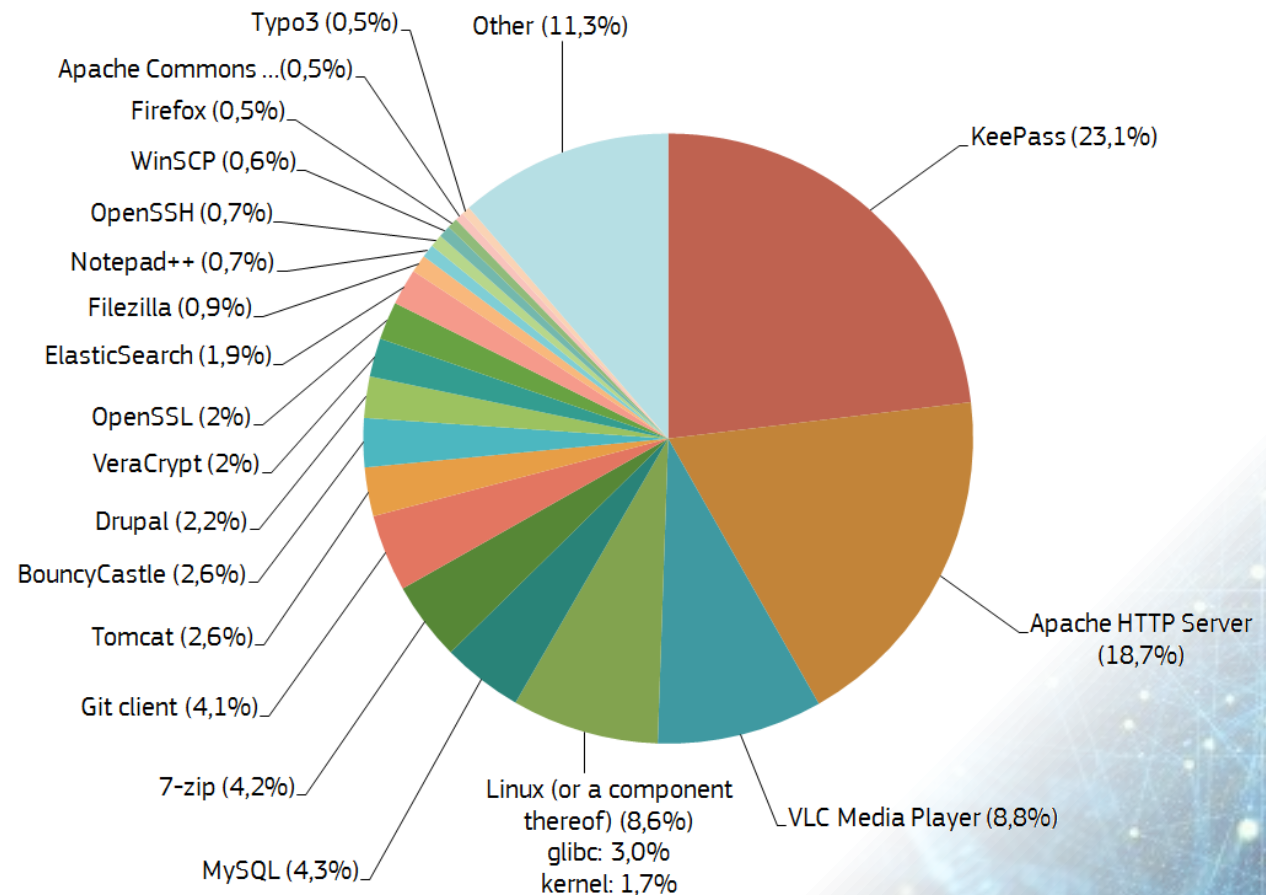
- Methodology works
- What about fixing bugs?
- Improve cooperation with communities
- Positive reaction
- Code reviews useful (but...)

EU-FOSSA - OSS criticality ranking



EU-FOSSA - public survey

- June 2016
- 3282 participants



EU-FOSSA 2 (2017-2019)

What is new?

- Increased scope
- Bug Bounties
- Hackathons
- Fixing already known bugs
- Closer cooperation with developer communities
- Improved communications programme

PLAN

PROGRESS

Wider Scope

- Expand scope beyond European Commission to other European institutions
- Include SDKs, frameworks, methods and *planned* OSS



- European Parliament, Council, EIB, EEAS, EES-COR, Council of Europe
- Commission OSS Inventory being updated to include OSS development frameworks, methods, planned software
- Inventories for others, being created and updated

PLAN

Bug Bounty programme

Proof of concept

- First time in EU institutions
- 28 active participants
- 6 weeks
- 6 bounties paid

Main programme

- ~15 activities
- Critical OSS used by EU institutions
- ~1 M€ budget
- Including high rewards

PROGRESS

Bug Bounties

- 3 vendors selected via public procurement tender (Intigriti/Deloitte → HackerOne → Econocom/YesWeHack)
- After consulting with European institutions and the last public survey, target software was identified and 15 contracts placed by end December 2018
- 12 Bug Bounties started in Jan 2019, 2 to start soon, with midPoint in March 2019

7-ZIP	DSS	KeePass	PuTTY
Apache Kafka	FileZilla	midpoint	VLC Media Player
Apache Tomcat	FLUX TL	Notepad ++	WSO2
Drupal	glibc	PHP Symfony	

PLAN

PROGRESS

Hackathons

- Plan 3 Hackathons (Brussels)
- Engage specialist Hackathon vendor
- Identify suitable projects
- Start planning



- 6/7 April, 4/5 May, 5/6 Oct 2019
- Hackathon vendor engaged – BeMyApp, Paris
- Ideas: Architectural reviews, IPR, solving persistent problems, supporting smaller communities

PLAN

PROGRESS

Communications

- Engage Communications
Vendor, Internal coordinator

- Communicate with

- OS Communities
- EU Public



- For the Hackathons
- Work started in Jan 2019

- Fresh Branding/Logo
- Multiple public surveys
- Conferences
- OSS community meetings
- Security Campaigns

EU-FOSSA 2 - the ultimate goal

- Improve security of open source software
- EU institutions working with open source software communities
- Make investment into the security of open source software a permanent action of the EU



Thank you



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