UNIVERZITET DŽEMAL BIJEDIĆ U MOSTARU FAKULTET INFORMACIJSKIH TEHNOLOGIJA MOSTAR

SEMINAR





Mentor: Iris Memić

Student: Ernad Husremović

Contents

- Open source software (OSS) definition
- OSS phenomenon
- OSS licenses
- OSS projects
- Software piracy
- OSS adoption in region Slovenia
- OSS in Bosnia and Herzegovina
- Conslusion

Open source software (OSS) definition

Bruce Perens, the creator of the Open Source (OSS) definition

Main policy areas regarding Open Source (OSS) are:

"Freedom to create, distribute, and use software"

Richard Stallman, the founder of the Free Software (FS) movement

"The Free Software Movement is a social movement for computer users' freedom"

The Open Source philosophy cites practical, economic benefits.

OSS phenomenon

- OSS, the new paradigm of software development
- The social aspect as the core of the new paradigm

Linus's Law, as described by Eric Raymond:

"Given enough eyeballs, all bugs are shallow"

OSS licenses

FOSS (free and open source) licenses:

- copyleft ("viral")
 - GNU GPL v2 & v3
- permissive ("business friendly")
 - MIT, BSD, ASL

OSS business models

- service based
 - expertise and support
- open core
 - community (OSS)
 - enterprise version (closed software)
- "mixed" models

OSS projects: Linux kernel

First release:

Finnish computer science student Linus Torvalds in 1991.

History:

• v 2.2.0, January 1999 - 2 milion lines of code (LOC)

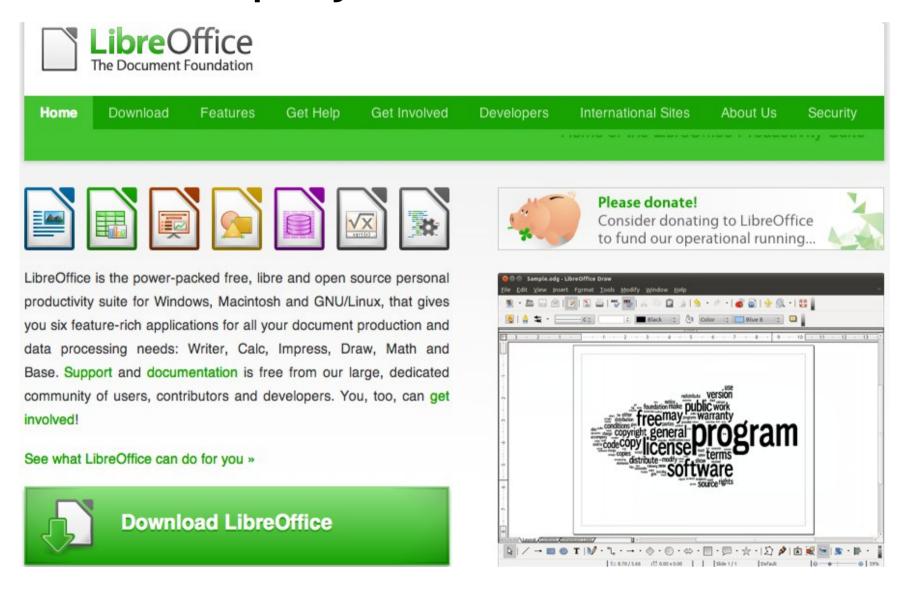
• v 2.4.0, January 2001 - 3 miliions LOC.

• v 2.6.0, December 2003 - 6 milion LOC

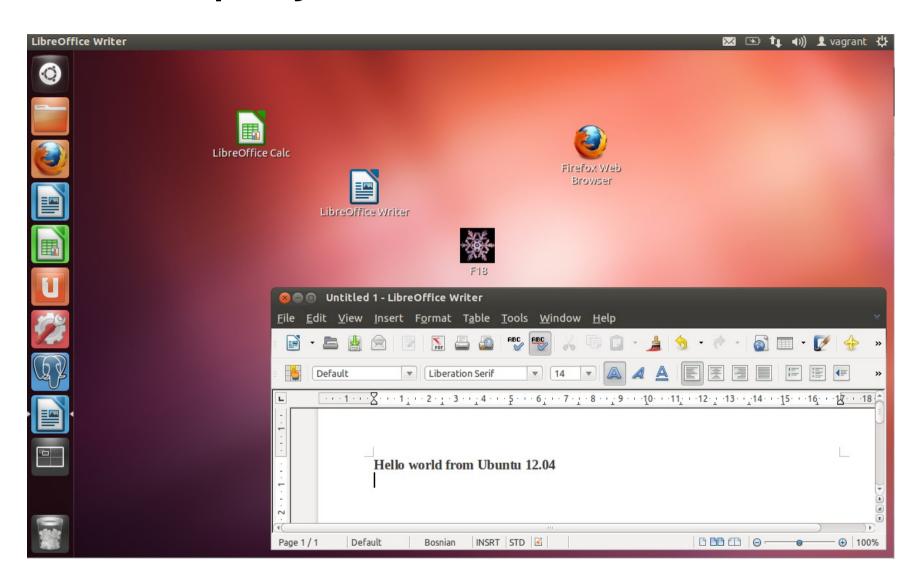
• v 3.2, 2012, 15 milion LOC



OSS projects: LibreOffice



OSS projects: Ubuntu Linux OS



Software piracy

- Software "Lock-in" high costs of leaving a particular software environment
- Software piracy as an instrument for market dominance
- Software piracy full accounting for top-tier vendors:
 - costs lost of revenue due to unauthorized software usage
 - benefits market dominance

OSS adoption in region - Slovenia

- Slovenia government's strategic moves
- Building local capacities in IT and today's economy in general
- Education has the central role in OSS adoption strategy

OSS in Bosnia and Herzegovina

- Anti-OSS Government moves
 - Law about fiscal systems
 - => "Windows-only" fiscal systems
 - Action on combating the software piracytop-tier vendor's private police
- Monocultural IT education
 - no care about vendor neutrality
 - low interest and lack of knowledge about OSS

Conclusion

- BiH policy makers do not recognize the potential of the OSS.
- "OSS ignorance syndrome"
- BiH society "lives" in the IT past.

OSS is all about the knowledge.

As we live in "Information Age", OSS adoption is the question of basic **competitivness** in today's world.

Questions?

Thank you!

hernad@bring.out.ba http://hernad.bring.out.ba