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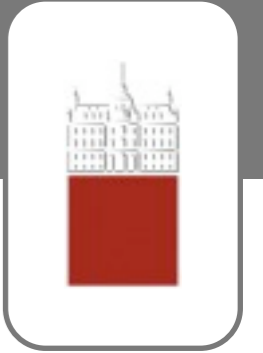


Osnove proste in odprtokodne programske opreme

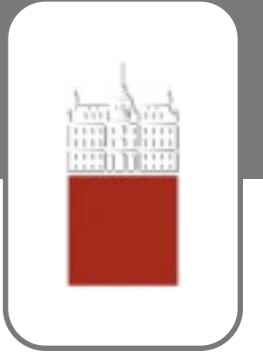
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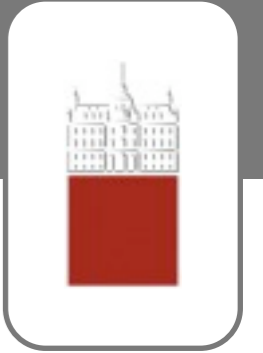
Kaj je FLOSS



- ▶ FLOSS = Free/Libre/Open Source Software
 - programska oprema
 - programske licence
 - metodologija razvoja programske opreme
 - programi - Linux, Apache, FireFox, OpenOffice.org, MySQL, ...
 - poslovni model



- ▶ Zgodnja leta programske opreme
 - programska oprema združena s strojno opremo
 - osebni računalnik ustvaril trg programske opreme
 - Bill Gates napisal odprto pismo (1976):
“Hardware must be paid for, but software is something to share ... Is this fair?”
 - Programska oprema se prodaja
 - Nekateri so prepričani, da to ni najbolje

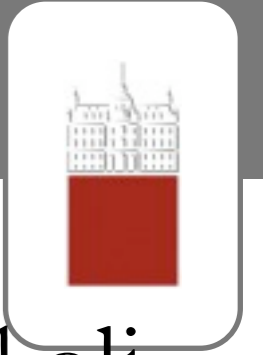


► Prelomno leto 1984

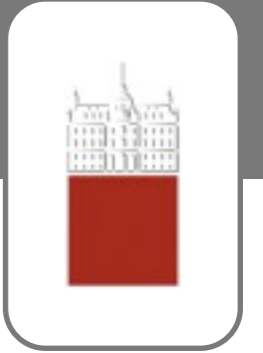
- Richard Stallman začne z razvojem programa GNU Emacs - prvi program GNU projekta (www.gnu.org)
- Free Software Foundation (1985) - cilj je obdržati programsko opremo “svobodno”

“Free as in speech not free as in beer!”

4 FSF pravice

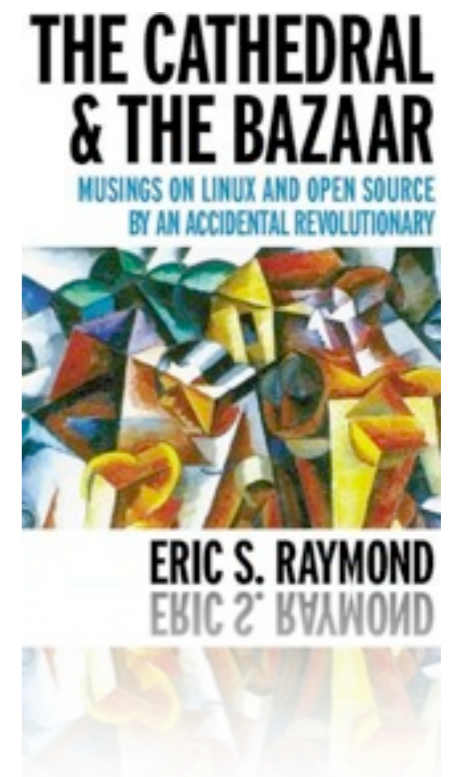


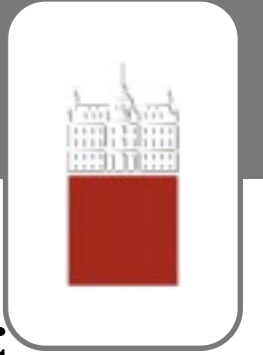
- ▶ Pravica uporabiti programsko opremo za kakršenkoli namen
- ▶ Pravica preuči delovanje programske opreme in jo po potrebi prilagoditi
- ▶ Pravica distribuirati kopije programske opreme
- ▶ Pravica izboljšati programsko opremo in izboljšano verzijo tudi izdati



► Leto razdelitve - 1998

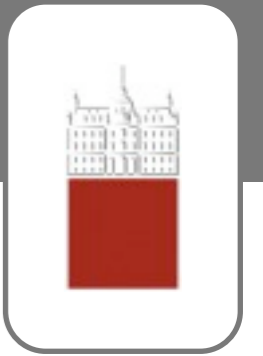
- Eric Raymond, “The Cathedral and The Bazaar”
- Netscape izda odprtokodno verzijo brskalnika
- Open Source Initiative (1998) - nepolitičen, poslovno orientiran pristop svobodni programski opremi (www.opensource.org)



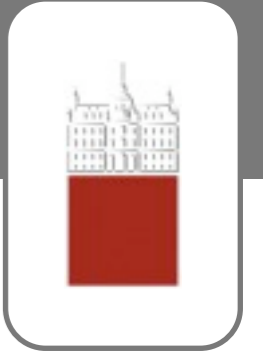


- ▶ Pragmatičen pristop svobodni programski opremi
- ▶ Uveljavi se “open source software” (odprtokodna programska oprema)
- ▶ Odprtokodna metodologija razvoja programske opreme
- ▶ Definicija odprtokodne programske opreme
- ▶ Deset kriterijev za odprtokodne licence

Definicija odprtokodne programske opreme



1. Prosto redistribuiranje
2. Vključena izvorna koda
3. Dovoljena izpeljana dela
4. Integriteta avtorjeve izvorne kode
5. Nediskriminacijska do oseb ali skupin
6. Dovoljuje prosto uporabo
7. Distribucija licenc
8. Licenca ni specifična za produkt
9. Licenca ne omejuje druge programske opreme
10. Licenca mora biti neodvisna od tehnologij



- ▶ Open Source Initiative

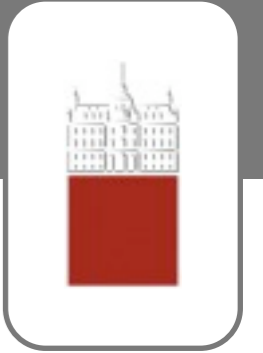
“... dump the moralizing and confrontational attitude that had been associated with 'free software' in the past and sell the idea strictly on the same pragmatic, business-case grounds that had motivated Netscape.”

<http://opensource.org/history>

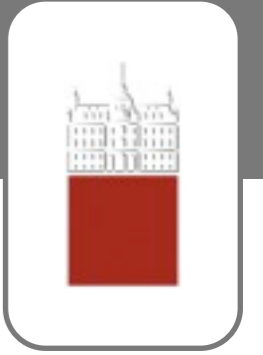
- ▶ Free Software Foundation:

“For the Open Source movement, non-free software is a suboptimal solution. For the Free Software movement, non-free software is a social problem and free software is the solution.”

<http://www.fsf.org/licensing/essays/free-software-for-freedom.html>



- ▶ 70+ licenc
- ▶ Vrste licenc
 - Permissive: BSD, Apache, MIT ...
 - Copyleft: GNU General Public License, Open Software License ...
 - Partial Copyleft: GNU Lesser General Public License, Mozilla Public License ...
 - ...



- ▶ Zbirke odprtokodnih programov za operacijski sistem Windows:
 - OpenDisk (theopendisk.com)
 - Open Source Windows (opensourcewindows.org)

