Vrije Software: een overzicht

Paul Cobbaut
November 2011

Wie is Paul Cobbaut ?

- cobbaut.be (cv)
- cobbaut.blogspot.com
- linux-training.be
- github.com/paulcobbaut
- facebook.com/cobbaut
- be.linkedin.com/in/cobbaut
- twitter.com/cobbaut
- (niet tupperware, basketball, landbouwer in Asse)
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Vanavond...

- Terminologie : Wat is vrije software ?
- Open Source succesverhalen
- Hoe migreren naar open source ?
- (open standaarden, open formaten)
- Q&A
- Evaluaties
- Dank en Drank!

Terminologie

- Wat is vrije software ?
- Free software of Freeware...
- Wat is open source ?
- FOSS en FLOSS...
- Is dat gratis ?
- Waarom dan nog licenties eraan hangen ?
- Copyright en copyleft ?

Wat is vrije software ?

- Vrijheid van gebruik
  - software te gebruiken voor elk doel
- Vrijheid van bestudering en aanpassing
  - aanpassen naar je eigen (bedrijfs)behoeften
- Vrijheid van distributie
  - naastenliefde
- Vrijheid van verbeteren en verspreiden
  - voordeel voor iedereen
  - samen werken aan een geheel

LifeTrac/Bill of Materials

< LifeTrac

LifeTrac

Home | Research & Development | Bill of Materials | Manufacturing Instructions | User's Manual

Bill Of Materials

Spreadsheet

LifeTrac BOM

	Name	Quantity	Assembly	Material Type	Measurement	Thickness
	3/4"x5.5" bolts	[40]		Nuts & Bolts	[40] 3/4"x5.5" bolts	
	3/4"x9" bolts	[42]		Nuts & Bolts	[42] 3/4"x9" bolts	
	3/4"x4.5" bolts	[4]		Nuts & Bolts	[4] 3/4"x4.5" bolts	
	3/4"x2" bolts	[8]		Nuts & Bolts	[8] 3/4"x2" bolts	
	3/4" washers	[120]		Nuts & Bolts	[120] 3/4" washers	
	3/4" metal lock nuts	[80]		Nuts & Bolts	[80] 3/4" metal lock nuts	
	3/4" nuts	[16]		Nuts & Bolts	[16] 3/4" nuts	
	3/4" nylon lock nuts	[4]		Nuts & Bolts	[4] 3/4" nylon lock nuts	
	3/4" lock washers	[8]		Nuts & Bolts	[8] 3/4" lock washers	
	1/2"x2" bolts	[16]		Nuts & Bolts	[16] 1/2"x2" bolts	
	1/2" nylon lock nuts	[16]		Nuts & Bolts	[16] 1/2" nylon lock nuts	
	1/2" lock washers	[16]		Nuts & Bolts	[16] 1/2" lock washers	
	5/8"x2" bolts	[32]		Nuts & Bolts	[32] 5/8"x2" bolts	
	5/8" metal lock nuts	[32]		Nuts & Bolts	[32] 5/8" metal lock nuts	
	5/8" lock washers	[32]		Nuts & Bolts	[32] 5/8" lock washers	

Free software of freeware

- Free software = vrije software = logiciel libre
  - Niet moeilijk voor Vlamingen en Franstaligen
  - Verwarrend voor Engelstaligen
- Freeware = gratis software
  - Maar je krijgt geen vier vrijheden!
    - Bijvoorbeeld : Command&Conquer: Tiberian Sun
- Freeware heeft in de verste verte NIETS met open source of floss of free software te maken

Wat is open source?

- Open broncode
  - Maar dat is geen eis op zich
  - Wel nodig voor de vier vrijheden
- 'open source' is duidelijker dan free software
  - Geen verwarring met freeware
  - Beslist in 1998, grotendeels naar aanleiding van de broncode van Netscape Navigator, door o.a. Larry Wall(perl,patch), Jon 'maddog' Hall, Eric S. Raymond, Linus Torvalds(Linux), Tim O'Reilly
- Mp3 broncode is geen 'open source'

Wat is vrije software ?

open source initiative

Is het duidelijk ?

- Vrije software
- Free software
- Freeware
- Open source

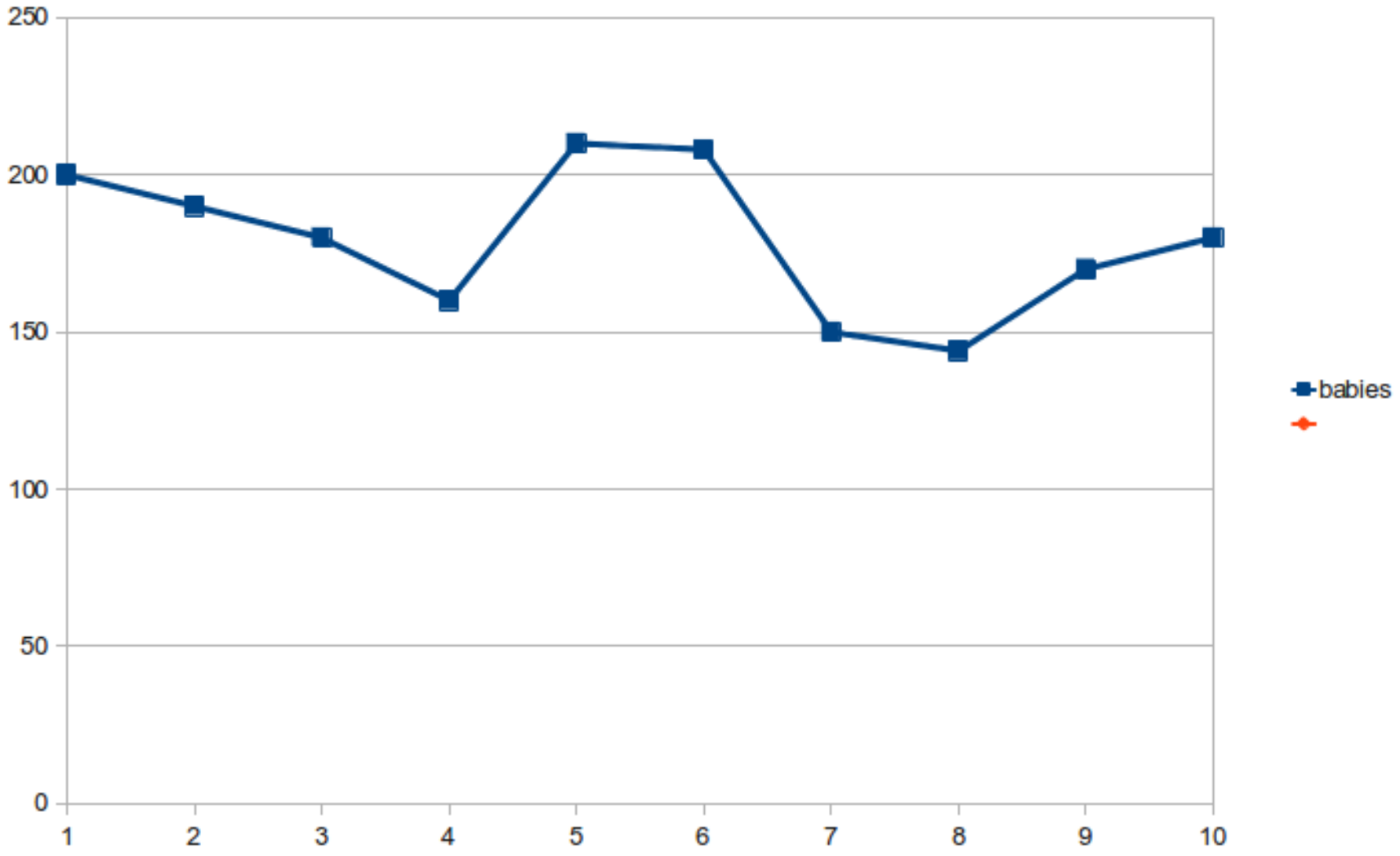
FOSS en FLOSS ?

- Free Open Source Software
- Free/Libre Open Source Software
  - Tegenover open core zoals StarOffice, Mysql
  - Sommige licenties laten dit (niet) toe
    - BSD license
    - Apache license (+30.000 open source projecten, subversion, spamassasin, perl, ...)
    - GPLv2 (1991 Liberty or Death)
    - GPLv3 (2007, viral, +60.000 projecten in 2009)
    - cddl e.v.a.

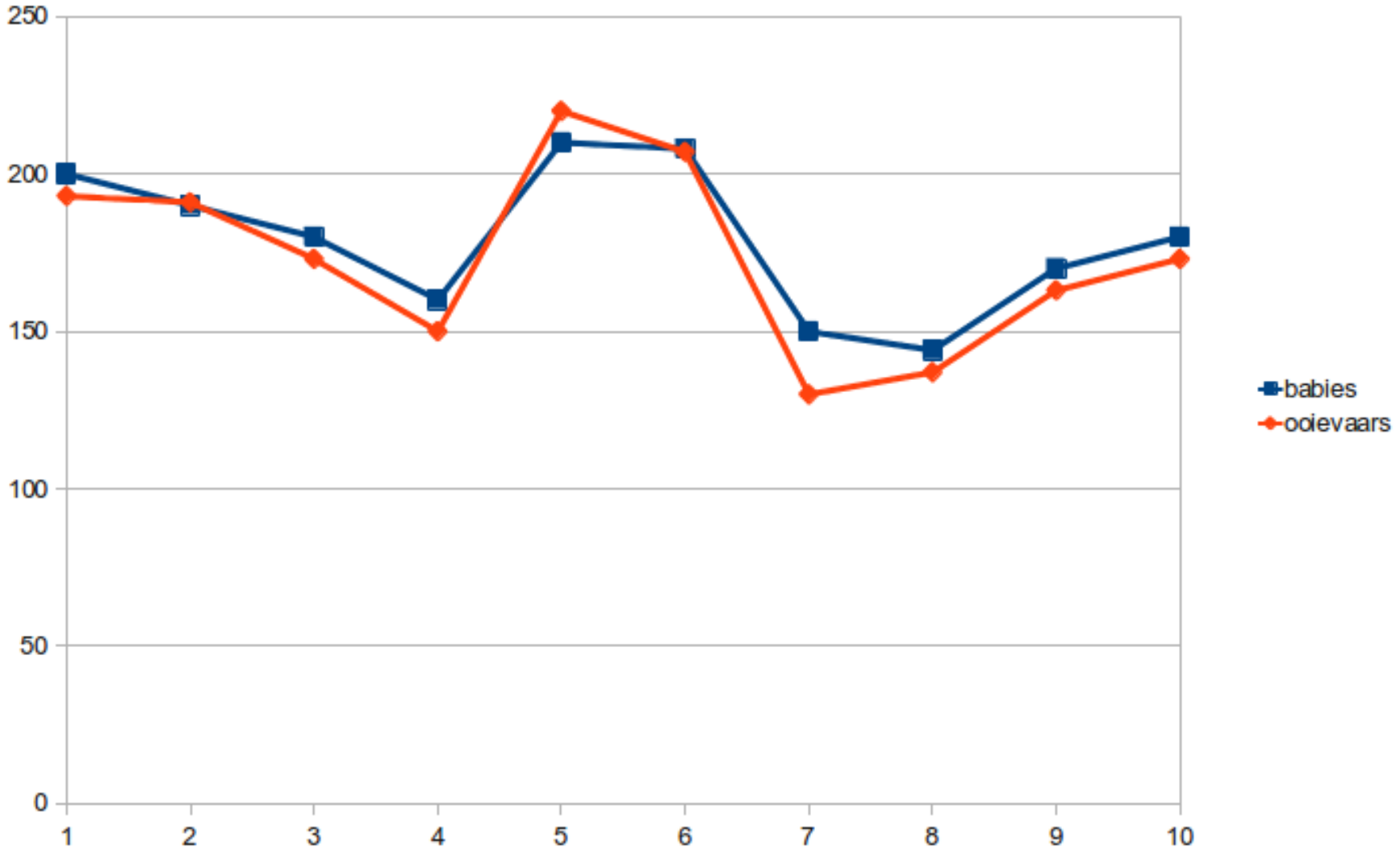
Is gratis wel te verkopen ?

- Q1 2011 Global Server Market Share(IDC)
  - 17 percent Linux (2 miljard dollar)
    - De 900.000 Google Linux servers niet meegeteld!
- Red Hat Enterprise Linux
  - Verkoopt Linux **en** geeft Linux gratis weg
  - Verkoopt nu voor meer dan 1 miljard dollar per jaar
- IBM en HP
  - Verdienen +1 miljard per kwartaal aan open source

Opgepast met cijfers en statistieken!



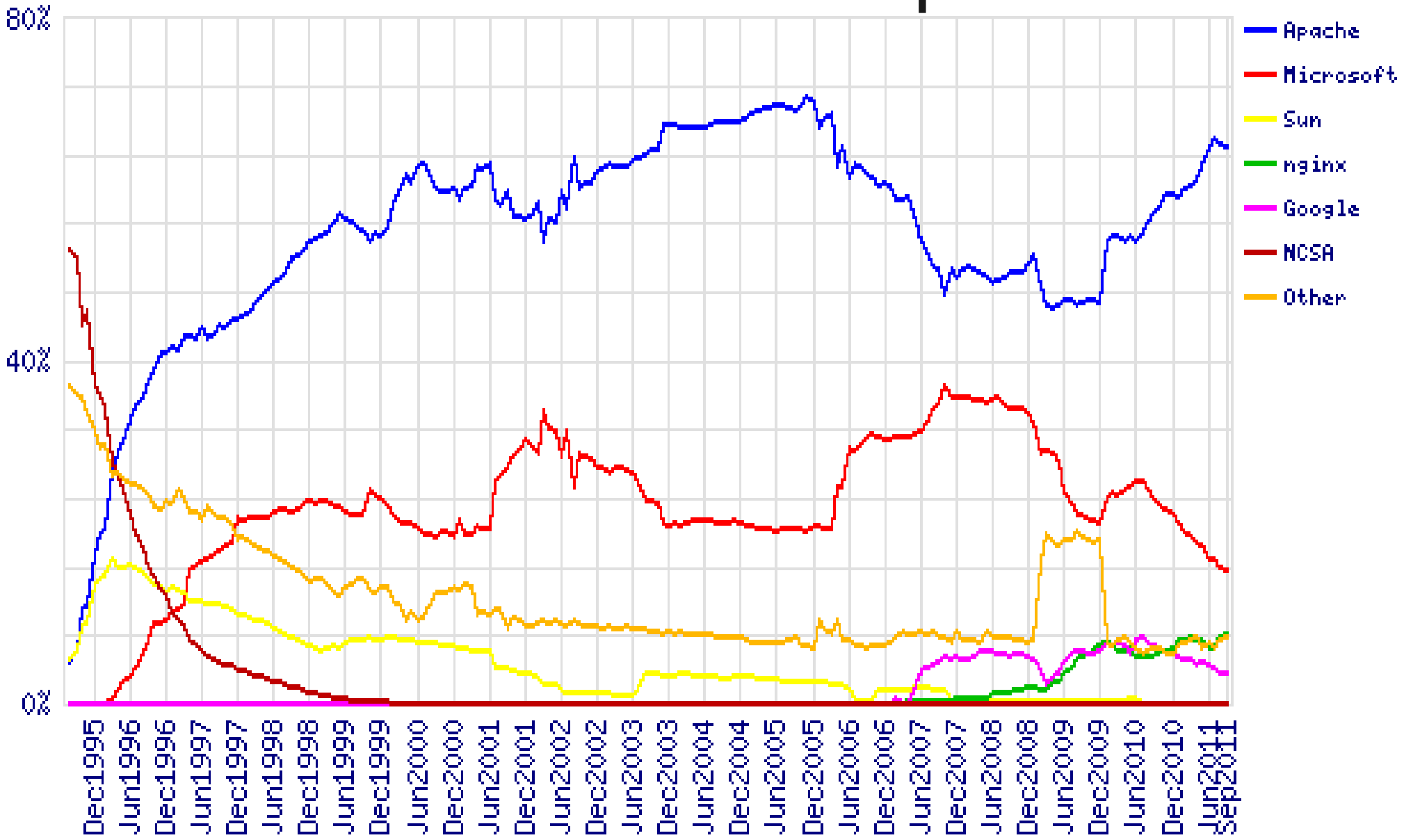
Opgepast met cijfers en statistieken!

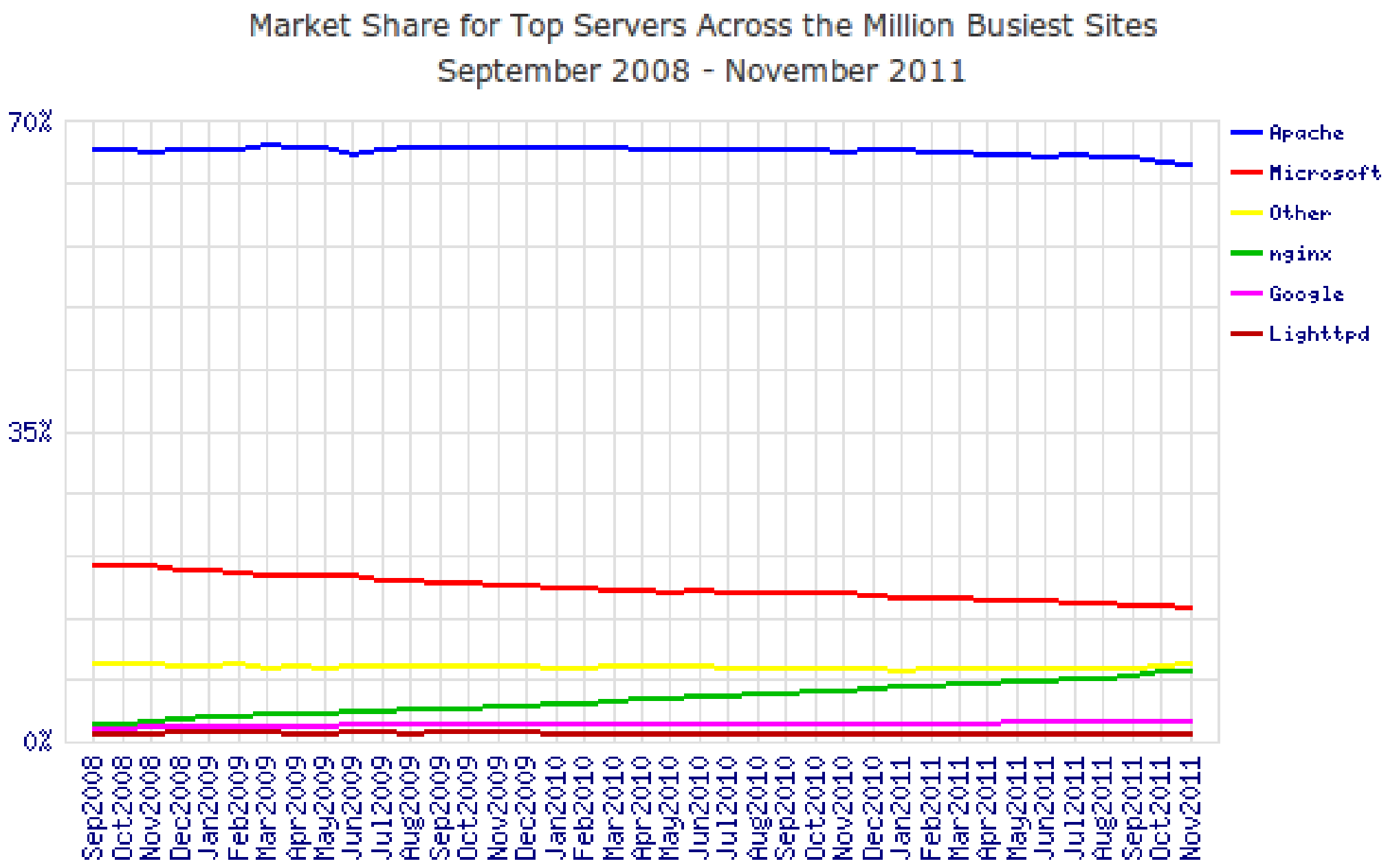


Enkele open source successen

- Apache webservers
- Firefox en Chrome Web browsers
- Startups in de wereld (LAMP)
- Startups in Vlaanderen
- Linux in top 500 grootste computers
- Android op Smartphones

Succesverhaal: Apache




Market Share for Top Servers Across the Million Busiest Sites
September 2008 - November 2011
70%
35%
0%
Apache
Microsoft
Other
nginx
Google
Lighttpd
Sep2008
Oct2008
Nov2008
Dec2008
Jan2009
Feb2009
Mar2009
Apr2009
May2009
Jun2009
Jul2009
Aug2009
Sep2009
Oct2009
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Dec2009
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Jul2010
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Oct2010
Nov2010
Dec2010
Jan2011
Feb2011
Mar2011
Apr2011
May2011
Jun2011
Jul2011
Aug2011
Sep2011
Oct2011
Nov2011

Succesverhaal: web browsers

- 2000: 80% Microsoft internet explorer
- 2001 tot 2006: +90% msie
- 2007: firefox 10%
- 2008: firefox 18%
- 2009: firefox 22%
- 2010: firefox 30%, chrome 11%, msie 50%
- Aug 2011: firefox 26%, chrome 21%, msie 38%

Succesverhalen: LAMP startups

- Google (+900.000 Linux servers)
- Akamai (+84.000 Linux servers)
- Facebook (+50.000 Linux servers)
- Twitter
- Wikipedia
- Youtube

Succesverhaal: open source

- Nasdaq, NYSE, LSE
- Yahoo (voordat het Bing werd)
- Hotmail (voordat Microsoft het kocht)
- Gmail
- Linkedin (Solaris)
- IBM?, HP?, Oracle?
- NSA?, ...

Open source startups in Vlaanderen

- Inuits
  - 100 procent open source services
  - 2007 gestart met enkele mensen
    - 2008, 2009, 2010 financiële crisis
  - November 2011: 36 werknemers
- Zeropoint
  - 99 procent open source diensten
  - Meer dan 70 werknemers
- Startups overal werken met open source

Open source startups in Vlaanderen

- Drupal
  - 100 procent open source cms,cmf+meer
  - 2001 gestart als bbs/chat door Dries Buytaert
- Smile (600 werknemers, 35 in Benelux)
  - 10 jaar geleden, 100 procent open source
- BA (Leuven, 6 werknemers)
- Fragmentatie, geen ruggegraat
- Kangaroot, Open Future, Krimson, Outertought, Thinkwize, ...

Succesverhaal: Top 500

- Jaarlijkse top 500 grootste computers in de wereld
  - 2001: 10% Linux, 3% BSD
  - 2005: 74% Linux
  - Nov 2011: 92% Linux, 0.2% BSD

Smartphone besturing

- 2007: 100% closed source
- 2010: 77% closed source
- 2011-Q1: 64% closed source
- 2011-Q2: 57% closed source
  - knabbel knabbel knabbel...
  - Android (=Linux)
    - 48% marktaandeel op 1 augustus 2011

Vanavond...

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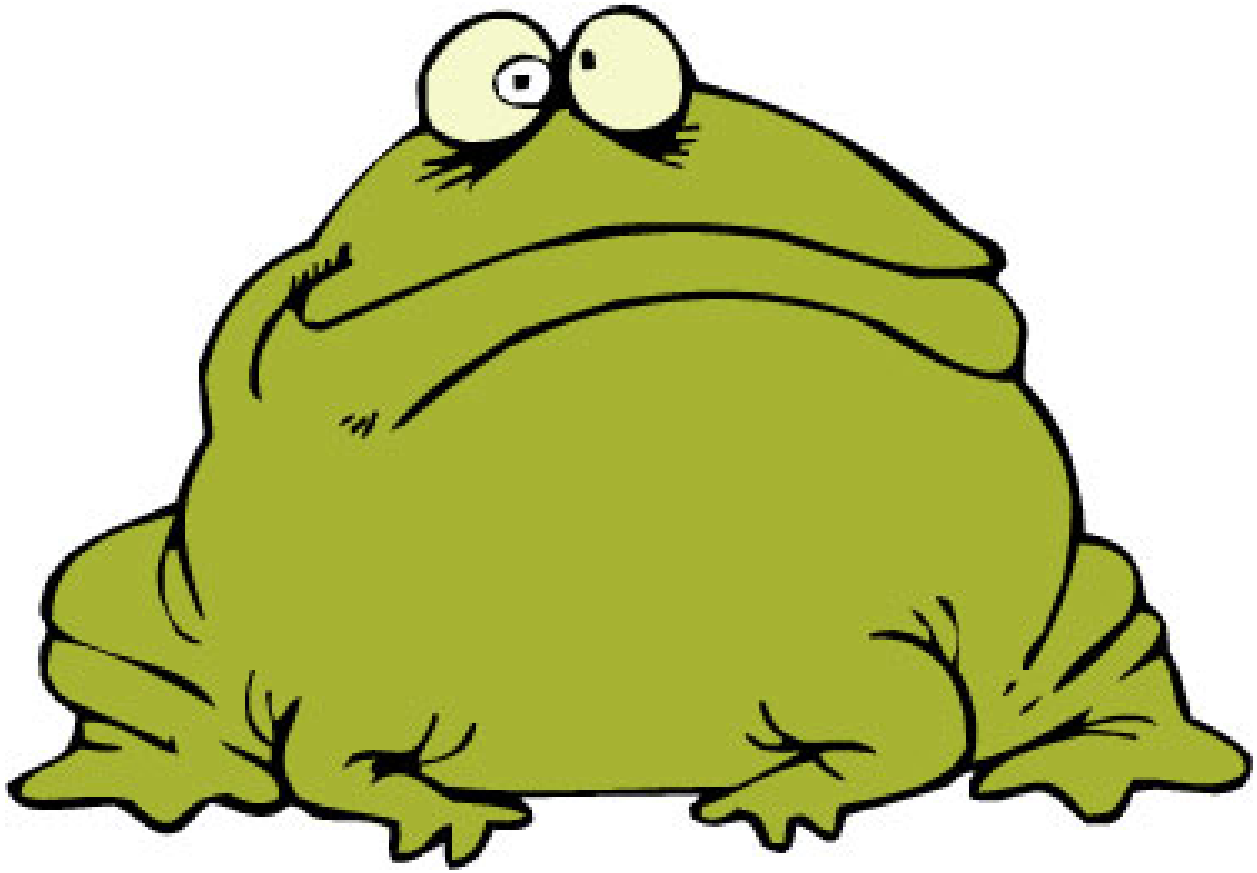
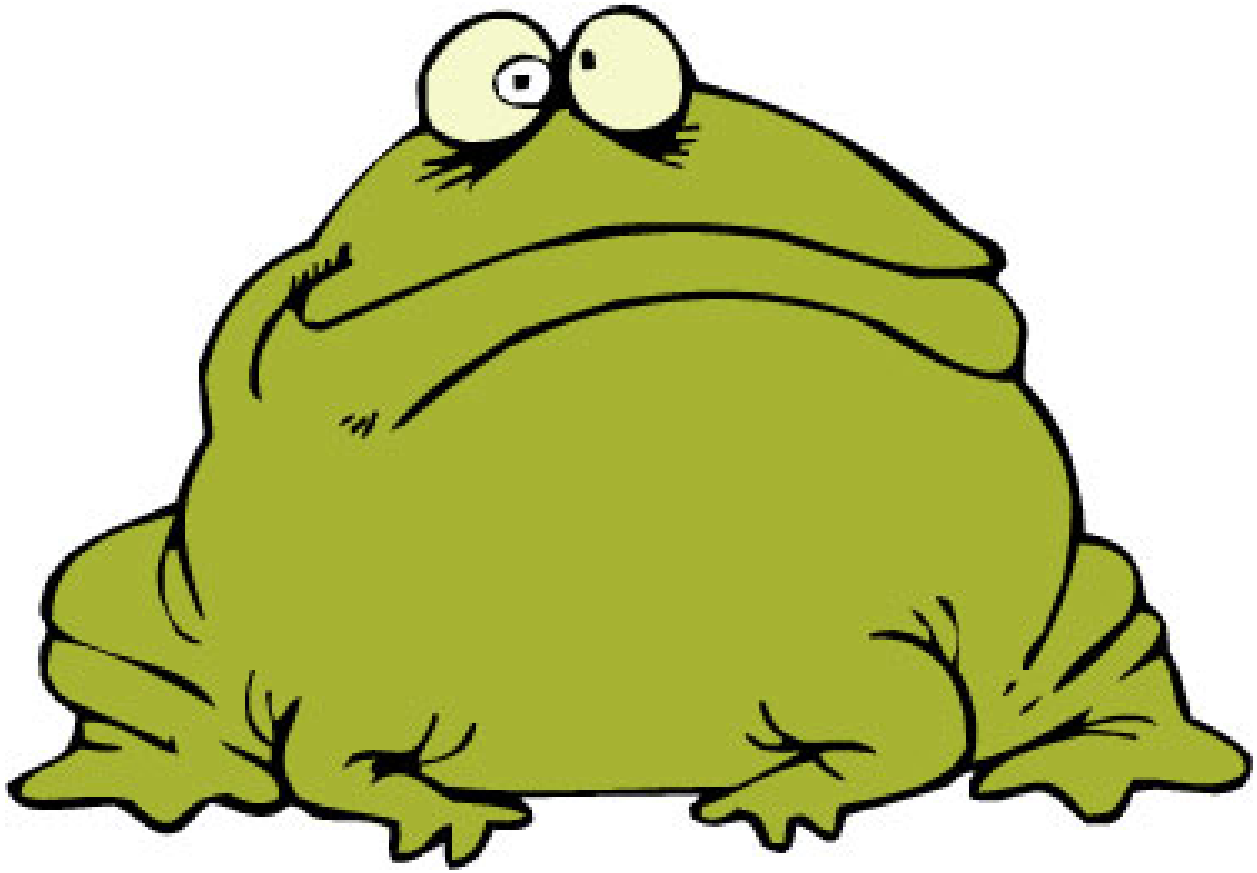
- (open standaarden, open formaten)

Hoe migreren naar Vrije Software?



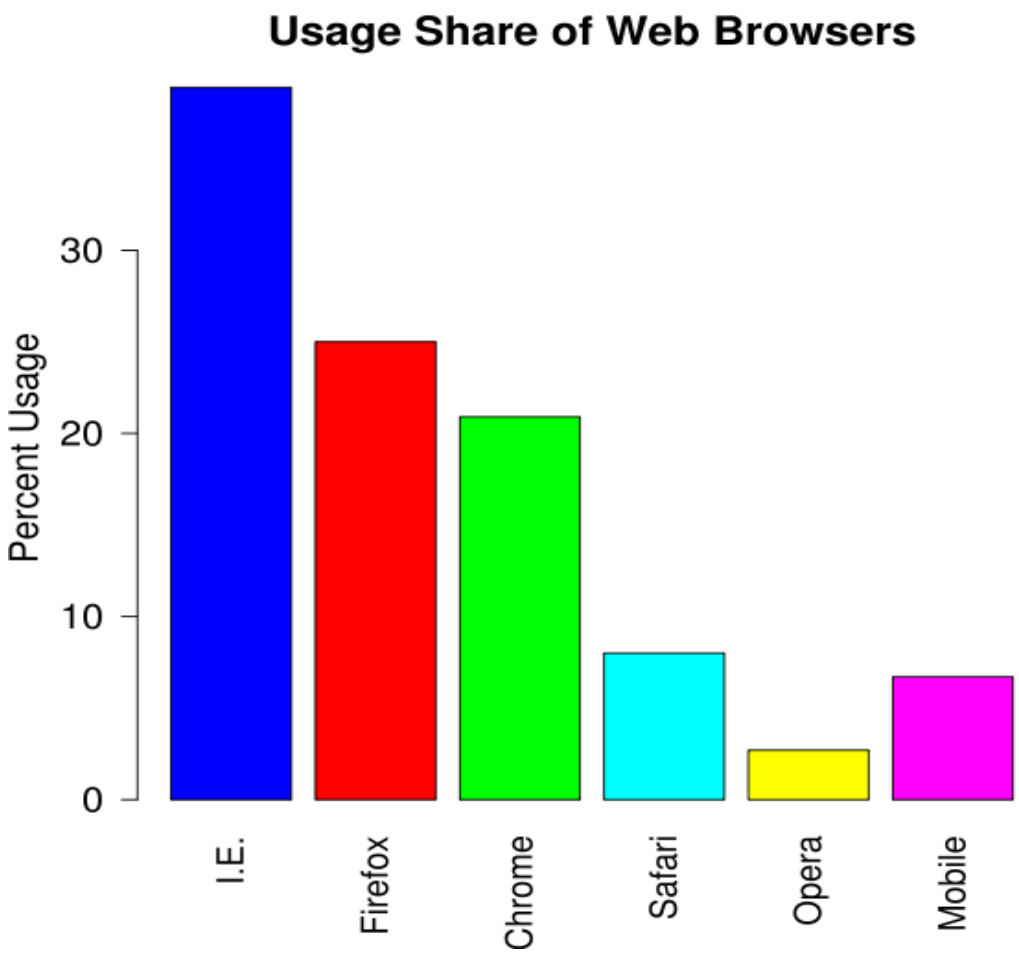
Geen grote veranderingen!



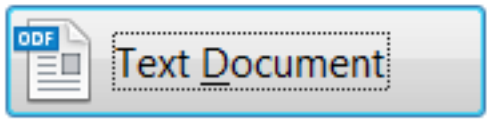
Frog picture owned by http://craftingxtraordinaire.blogspot.com/2010/02/frog-svg-file.html

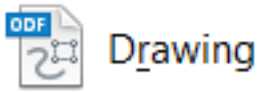
Stap 1: browser

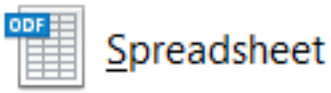
- September 2011
- Author: Daniel Cardenas (wikipedia)

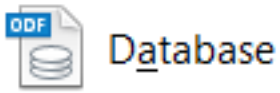


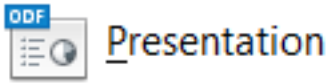
Stap 2: office toepassing

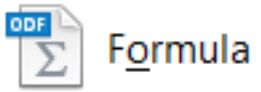




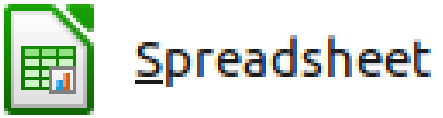


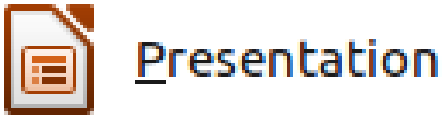






Stap 2: office toepassing





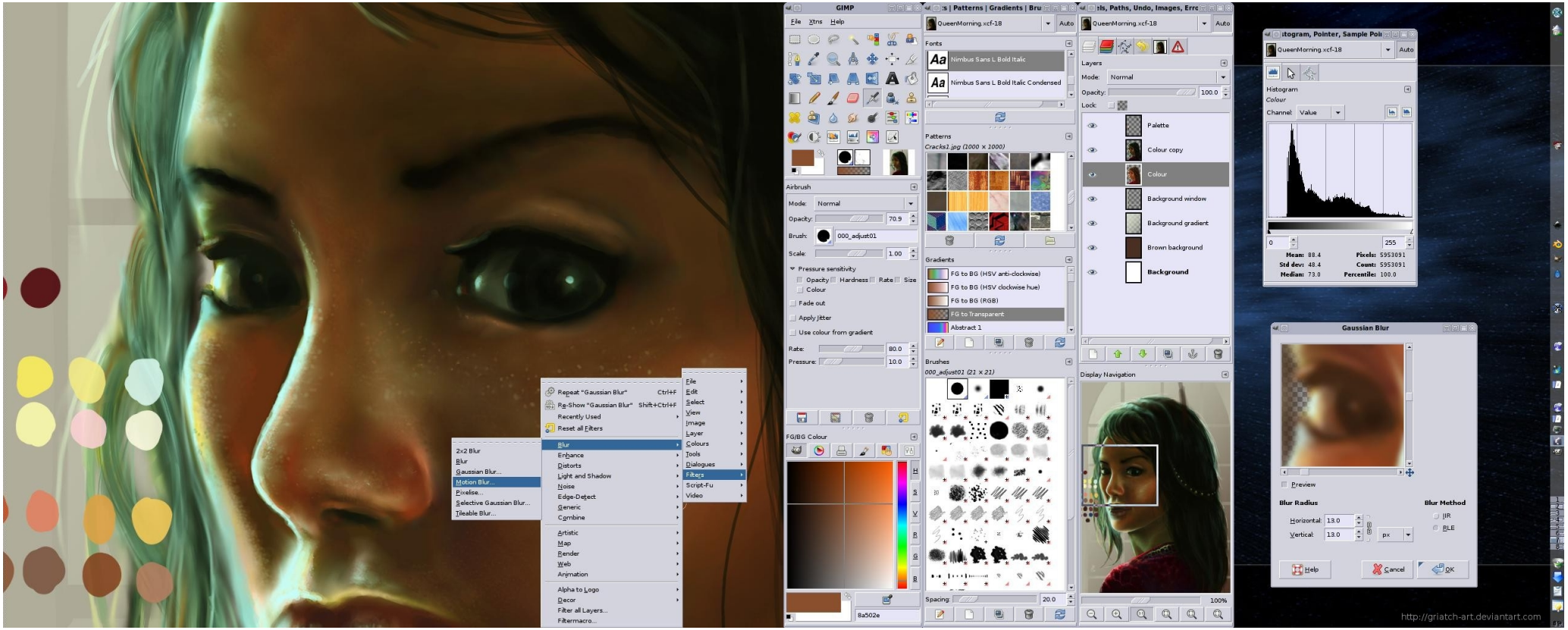
Stap 2: office toepassing

	Developer	First public release	Predecessor	Latest Stable version	Operating system	Costs in USD	License	Microsoft Office (.doc, .xls) support	Microsoft Office Open XML support	OpenDocument support	Portable Document Format support
Ability Office	Ability Plus Software	1995	—	5.00	Windows	49.99 - 59.99	Proprietary	Yes	Yes	Planned for Ability Office 6	Export only
Breadbox Office	Breadbox Computer Company	1990	—	4.1.3.0	DOS, Windows	99.95	Proprietary	No	No	No	No
Calligra Suite	KDE	2011	KOffice		BSD, Linux, Solaris, Mac OS X and Windows	Free	LGPL and GPL	Import	Import	Native format	Export only[4]
Celframe Office	Celframe	2006 (Windows)	—	Celframe Office 2006	Windows	65.20 - 190.96	Proprietary	Yes	Yes	Yes	Export only
Feng Office Community Edition	Feng Office	2007	-	1.6.1	Fully online	Free	AGPL	No	No	No	No
GobeProductive	Gobe Software	1995	—	3.04 / 2.01	Windows and BeOS	49.95	Proprietary	Yes	No	No	No
Google Apps, Google Docs	Google	2006	Writely	2010	Fully online	Free	Proprietary	Yes	Yes [5]	Yes	Export only
IBM Lotus Symphony	IBM	2007	IBM Workplace	3	Windows, Linux and Mac OS X	Free	Free [6]	Yes	Import only [7]	Native format	Export only
iWork	Apple Inc.	2005	AppleWorks[8]	'09	Mac OS X	79.00	Proprietary	Yes	Import only	No	Export only
Kingsoft Office (WPS Office)	Kingsoft	1988	WPS (word processor)	2012	Windows and Linux	69.95	Proprietary	Yes	Import only support for .docx and .xlsx	No[9]	Export only
KOffice	KDE	1995	—	2.3.3	BSD, Linux, Solaris, Mac OS X and Windows	Free	LGPL and GPL	Import	Import	Native format	Export only[4]
LibreOffice	The Document Foundation	2010 September	OpenOffice.org	3.4.2	Cross-platform	Free	LGPL	Yes	Yes	Native format	Export; free plugin for Import
Lotus SmartSuite	IBM	1992[10]	—	9.5	Windows and OS/2	313.00	Proprietary	Yes	No	No	No
MarinerPak	Mariner Software	1996	—	10.0	Mac OS and Mac OS X	79.95	Proprietary	Import only	No	No	No
Microsoft Office	Microsoft	1990 (Macintosh), 1992 (Windows)	Microsoft Word Microsoft Excel PowerPoint	2010 (14.0) (Windows), 2011 (14.1.3) (Macintosh)	Windows and Macintosh	69.95- 679.95	Proprietary	Yes	Office 2007 supports ECMA-376 1st edition.[11]	Poor support starting with Microsoft Office 2007 SP2 but greatly improved in Microsoft Office 2010, no support in Office 2011 for Mac however	Export only[12]
Microsoft Works	Microsoft	1986	—	(9.0) (Windows), (4.0) (Macintosh)	Windows and Macintosh	39.95	Proprietary	Yes	Yes	No	No
NeoOffice	Planamesa Software	2005-06-02	OpenOffice.org 1.1 for Mac OS X	3.2	Mac OS X	$10 for latest version, older versions for free	GPL	Yes	Yes	Yes	Import with free plugin
OpenOffice.org	OpenOffice.org Organization	2001 October	StarOffice	3.3	Cross-platform	Free	LGPL	Yes	With free plugins	Native format	Import with free plugin
ShareOffice	ShareMethods	2007 May	—	—	Fully online	> 10,000.00 / year	Proprietary	Yes	No	Yes	No
SoftMaker Office	SoftMaker	1989	—	2010, 2008 (Windows, Linux, Windows Mobile, Windows CE), 2006 (Handheld PC)	Windows, Linux, Pocket PC (Windows Mobile, Windows CE)	79.95 (34.95 Acad.) or Free (versions 2006 and 2008)	Proprietary	Yes	Yes	Yes	Export only
SSuite Office	Van Loo Software	2002	—	4.1	Windows	Free	Freeware	Yes	No	No	Export only
StarOffice	Sun Microsystems	1995	StarWriter	9.0	Cross-platform	34.95	Proprietary	Yes	With free plugins	Native format	Import with free plugin
ThinkFree Office	Haansoft	1998	—	3.5	Cross-platform	49.95	Proprietary	Yes	Import only	No[13][14]	No
Tiki Wiki CMS Groupware	Tiki Software Community Association	2002	—	7.2	Fully online	Free	LGPL	No	No	Yes, via WebODF	No
WordPerfect Office	Corel	1991	WordPerfect (1982)	X5	Windows	69.99 - 399.99	Proprietary	Yes	Yes	Yes	Export only
ZCubes	ZCubes Inc.	2006	—	2007	Fully online	Free	Proprietary	No	No	No	No
Zoho Office Suite	AdventNet	2005	—		Fully online	0 - 25 / User / Month	Proprietary	Yes	Yes	Yes	No
	Developer	First public release	Predecessor	Stable version	Operating system	Costs in USD	License	Microsoft Office (.doc, .xls...) support	Microsoft Office Open XML support	OpenDocument Support	Portable Document Format support

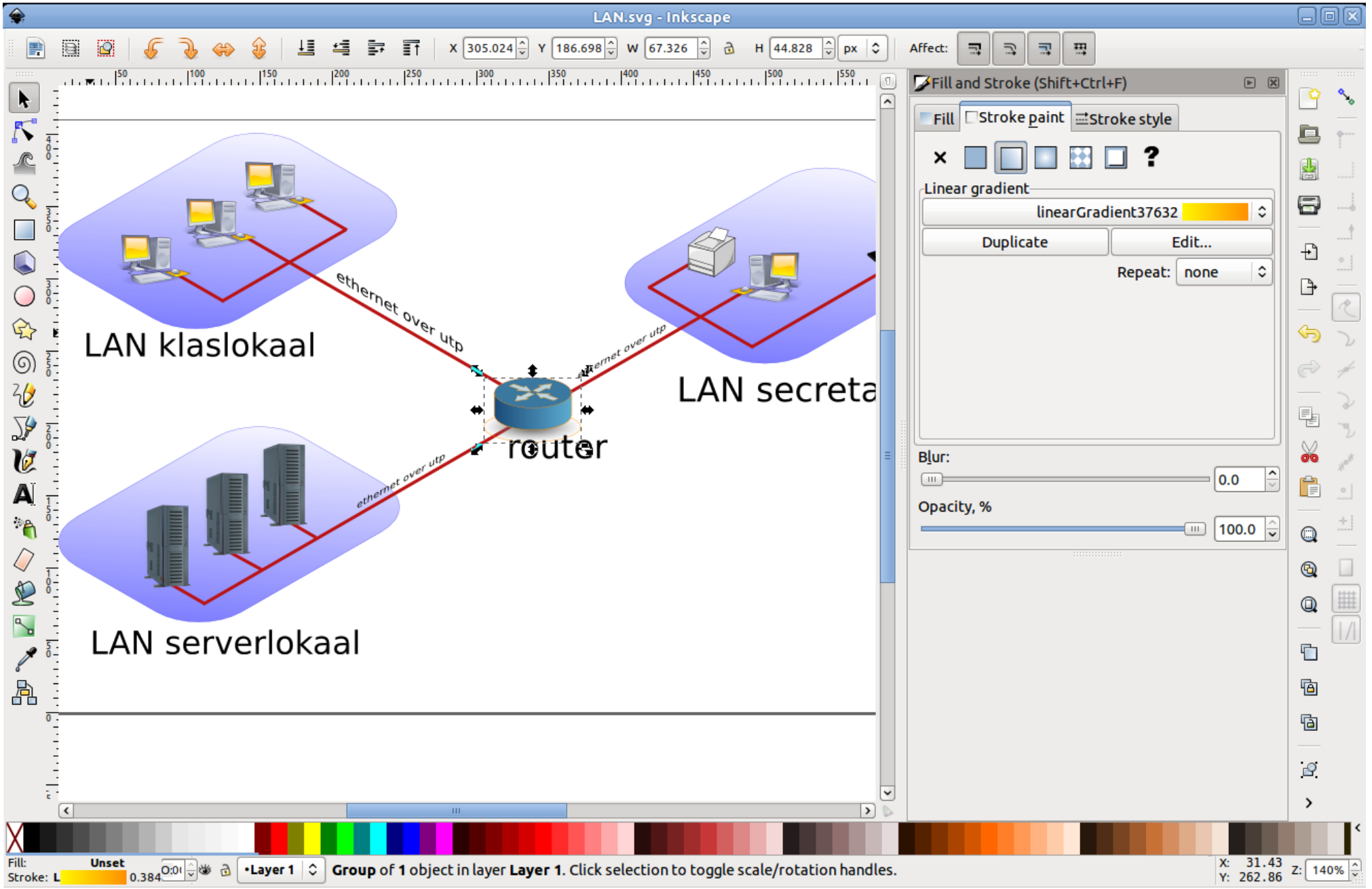
Andere open source toepassingen?

- Programmeurs
  - C en C++ (gcc, eclipse)
  - PHP (+Mysql)
  - …
- Grafisch
  - GIMP (kan niet alles wat Photoshop kan)
  - Inkscape (vector based)

Gimp screenshot (gimp.org)

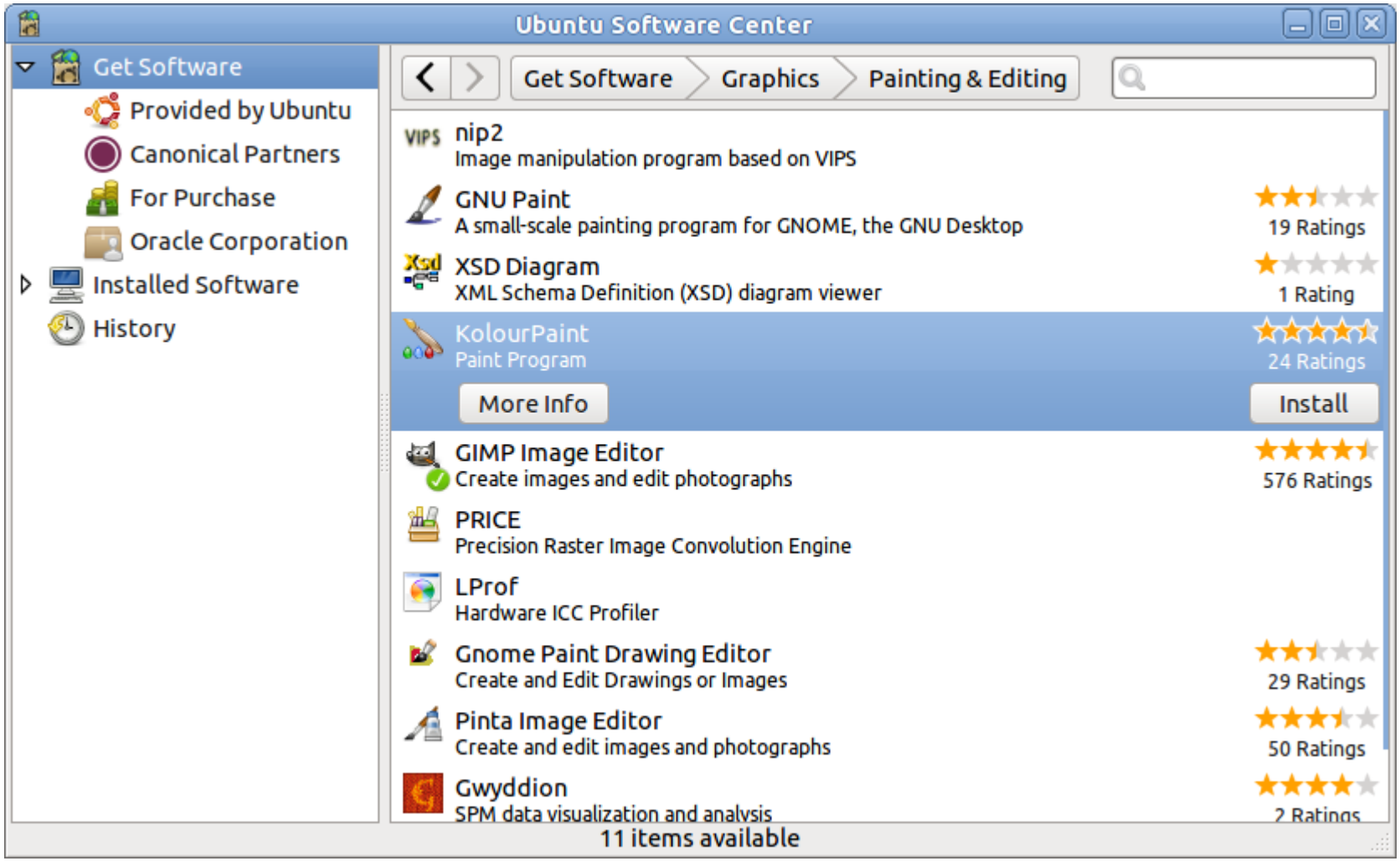


Inkscape screenshot



Open source zoeken ?

Open source installeren?

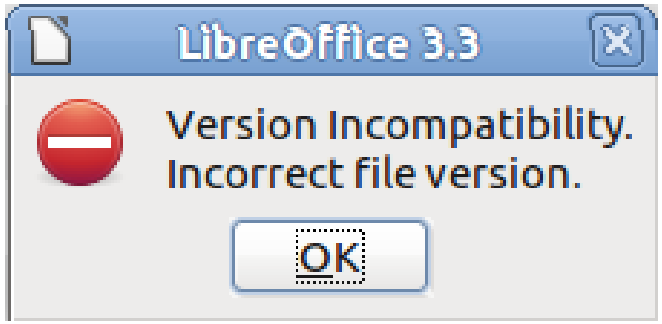


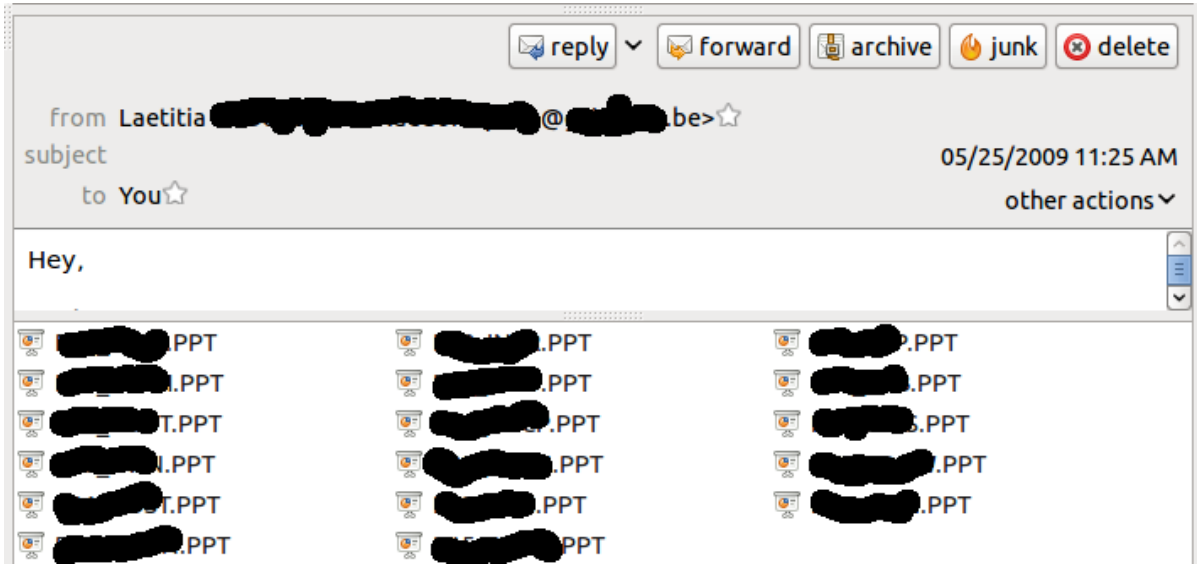
Q&A ?

- Open source = vrijheid
- Open source is aan een opmars bezig
-

Wat met uw gegevens?

- Formaten
  - Open standaarden
  - Gesloten formaten





Q&A ?

- Open source = vrijheid
- Open source is aan een opmars bezig
- Hou toegang tot je eigen gegevens!

Voordelen open source ?

- Distributies
  - Veel software toegevoegd
  - Serieus beveiligde installatie
  - Geen virussen, spyware, malware, crippleware
  - Je kan software verwijderen!!
- Goed gevoel, ethisch correct
- Het is de toekomst!
- Je bent geen pionier meer...

Nadelen open source ?

- Veel gehoorde klachten
  - Games
  - Photoshop (en andere Adobe software)
  - Autocad
  - Heel wat applicaties op maat...
- Mogelijke oplossingen
  - Java e.d.
  - Cloud

Q&A ?

- Open source is vrijheid!
- Open source is aan een opmars bezig.
- Hou toegang tot je eigen gegevens!
- Open source is veiliger!

Is dat iets nieuw die vrijheden ?

- Jaren '50 en '60
  - Grote computers met alles erop en eraan
- 1969 arpanet rfc's
- Jaren 70: U.N.I.C.S (Unix)
  - Samenwerking Oostkust Bell Labs + Westkust UC
- Jaren 80: ieder voor zich
- Jaren 90: opkomst 'free software'
    - Verwarring: free is not free (free speech and free beer)
- 2011-: overal 'open source'

links

- google.com
- people.mech.kuleuven.be/~bruyninc/etos/links.html
- planet.grep.be
- nl.wikipedia.org/wiki/Open_source
- nl.wikipedia.org/wiki/Vrije_software
- nl.wikipedia.org/wiki/Opensourcesoftware

- Alle logo's, tekeningen en fotos blijven eigendom van hun respectievelijke eigenaars.