Open Source Software

Overview

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Agenda

☑**FLOSS**

☑**Examples of FLOSS**

☑**Software Freedom Day 2005**

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FLOSS

☑ **FLOSS**

   ✓ **Free/Libre/Open Source Software**

☑ **Collaboration**

☑ **Source Code**

☑ **Open Standards**

☑ **FUD**

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Open Source Software

☑ **Free Redistribution**

☑ **Source Code**
- ✓ Must be available
- ✓ Integrity: Modifications released as patches.

☑ **Derived Works**
- ✓ Allowed
- ✓ Distributed in the same terms

☑ **License**
- ✓ Technology neutral
- ✓ No restriction of other software
- ✓ No discrimination

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Free Software

☑ **Coined by GNU Project**

☑ **Based on freedom**

  ✓ **Freedom 0: The freedom to run the program, for any purpose**

  ✓ **Freedom 1: The freedom to study how the program works, and adapt it to your needs**

  ✓ **Freedom 2: The freedom to redistribute copies so you can help your neighbor**

  ✓ **Freedom 3:The freedom to improve the program, and release your improvements to the public, so that the whole community benefits.**

☑ **Free software is open-source software, but not all open-source software is free.**

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FLS vs. OSS

☑ **Copy left**

☑ **License Interpretation →**
  Derivative software should also
  remain free.

☑ **IAL**

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Why FLOSS ?

☑ **Source:** http://www.dwheeler.com/oss_fs_why.html

☑ **Some Stats**

- ✓ **Apache is the #1 web server[69.70%]**
- ✓ **GNU/Linux is the #2 web serving OS on the public Internet (counting by physical machine) [30%]**
- ✓ **95% of all reverse-lookup domain name servers (DNS) used bind**

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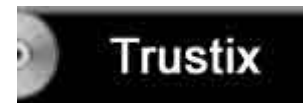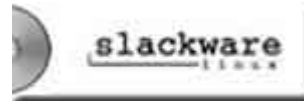# Examples of FLOSS

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Linux

☑ **Late 1980s -Linus Torvalds, a young Finnish graduate student decides to write his own kernel (OS) because he cannot afford the license fee for a commercial OS.**

☑ **1991 - Linus posts the kernel source code to Usenet news group "comp.os.minix." He calls his OS "Linux." He releases it under the GPL!**

☑ **His work is criticized by a few but overall response is very encouraging.**

☑ **Many programmers across the globe join his effort to write a completely "unencumbered" Unix-like OS.**

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Distributions

TAFOSSA

slackware

Mandrake Linux

Yellow Dog

SuSE

gentoo

redhat
LINUX

Trustix

open source

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Servers

☑ **Web Severs : Apache**

☑ **Mail Servers : Sendmail, PostFix , QMail**

☑ **Mailing Lists : Mailman , Majordomo**

☑ **DNS Server : BIND**

☑ **Proxy Servers : Squid**

☑ **Interoperability : Samba**

☑ **Open source "back office" services such as databases (Mysql, PostgreSQL), portal (PHP-Nuke).**

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Networking

☑ **Router**
- ✓ **Packet Filtering**
- ✓ **IP Masquerading [NAT]**
- ✓ **IP Aliasing**

☑ **Firewall**

☑ **Internet Gateway**

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Desktop

☑**KDE**

☑**GNOME**

☑**GIMP**

☑**StarOffice /OpenOffice**

☑**Ximian Desktop**

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Software Freedom Day

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What is SFD

☑ **Annual, global effort**
- ✓ **to celebrate the virtues of FLOSS**
- ✓ **Promotion of _its use**

☑ **Goal**
- ✓ **public awareness of the benefits of high quality FLOSS**
  - ◈ **FLOSS in education**
  - ◈ **FLOSS in government**
  - ◈ **FLOSS at home**
  - ◈ **FLOSS in business**
  - ◈ **FLOSS -→ everywhere!**

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SFD Tanzania

☑ **Tanzania Team**

    ✓ **http://maitri.ubuntu.com/softwarefreedomday/wiki/index.php/Tanzania**

☑ **Test Drive FLOSS**

    ✓ **http://theopencd.org/**

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Links and References

☑ **TAFOSSA**

✓ **www.tafossa.or.tz**

☑ **Free Software Foundation**

✓ **http://www.fsf.org/**

☑ **Open Source**

✓ **www.opensource.org**

☑ **Linux**

✓ **www.linux.org**

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