



Experience the Open Source

Join Open Source Community and Enjoy

Presented by
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Fedora Community

Today's Topics



1. FOSS Introduction
2. Software: Proprietary vs Open Source
3. Why joining FOSS
4. How to participate in FOSS project
5. Introduction to Fedora

1. FOSS Introduction

FOSS Introduction

- Free and open-source software (FOSS)
- Anyone is freely licensed to use, copy, study, and change the software in any way, and the source code is openly shared so that people are encouraged to voluntarily improve the design of the software.[1]

The Free Software Definition

- “Free software” means software that respects users' freedom and community. Roughly, it means that the users have the freedom to run, copy, distribute, study, change and improve the software. Thus, “free software” is a matter of liberty, not price. To understand the concept, you should think of “free” as in “free speech,” not as in “free beer”. [2]

The Free Software Definition

- The freedom to run the program as you wish, for any purpose (freedom 0).
- The freedom to study how the program works, and change it so it does your computing as you wish (freedom 1). Access to the source code is a precondition for this.
- The freedom to redistribute copies so you can help your neighbor (freedom 2).
- The freedom to distribute copies of your modified versions to others (freedom 3). By doing this you can give the whole community a chance to benefit from your changes. Access to the source code is a precondition for this.

2. Software: Proprietary vs Open Source

Software: Proprietary vs Open Source

- M\$ Windows vs GNU/Linux
- Internet Explorer vs Firefox/Chrome
- M\$ Office vs LibreOffice
- Adobe Photoshop vs GIMP
- VMware vs Oracle Virtual Box
- Oracle Database vs PostgreSQL
- 3DS Max vs Blender

3. Why joining FOSS

Why Joining FOSS

- The advantages of selecting a FOSS project:[3]
 - After deciding to select a FOSS project, the immediate advantage of the student is that he/she gets a wide variety of projects to work on and he/she can easily select the one which relates to their field of interest.
 - Even if you don't have the requisite technical skills, you can learn a lot by attending the pre-project training program.

Why Joining FOSS

- The advantages of selecting a FOSS project:
 - Contributing to already existing Free Software project helps the student as he gets a very good user base of the project along with the developers of the project.
 - There are a wide variety of real-life problems waiting to be solved with Free / Open Source Software. Working on a FOSS project is one the most productive ways of solving problems as well as learning new skills.

Why Joining FOSS

- The advantages of selecting a FOSS project:
 - Contributing to Free Software projects exposes you to the Free Software community and way that volunteers and committed contributors work together.
 - The fact that your project is licensed under a Free Software license helps you freely present your project anywhere you need to display it.

Why Joining FOSS

- The advantages of selecting a FOSS project:
 - There is no better way to put forth your technical expertise in Free Software than to say that you worked on a such a project, released it (give a URL for your source code) and X number of people downloaded it, used it and gave you feedback about it.

4. How to participate in FOSS project

How to participate in FOSS

- Start using FOSS
- Subscribe to mailing list
 - You can just watch what others talk when you're a newbie
- Start using IRC to communicate with FOSS guys
- Attending FOSS meet-ups/events

GNOME.Asia & FUDCon APAC 2014



How to participate in FOSS

- Promote FOSS if someone finds it interesting
- Helping in L10N and I18N
- Find bugs in FOSS and report it to bug tracer
 - Fix the bug if you can, then submit the patch

5. Introduction to Fedora

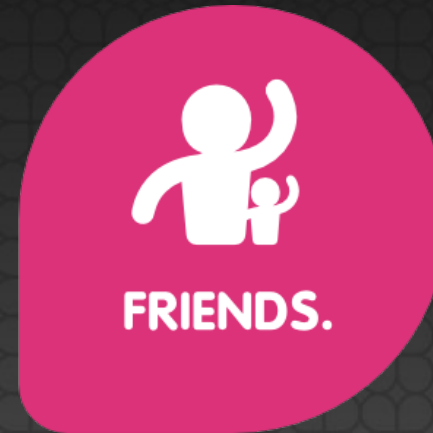
Introduction to Fedora

- Fedora is a Linux-based operating system, a collection of software that makes your computer run. You can use Fedora in addition to, or instead of, other operating systems such as Microsoft Windows™ or Mac OS X™. The Fedora operating system is completely free of cost for you to enjoy and share.

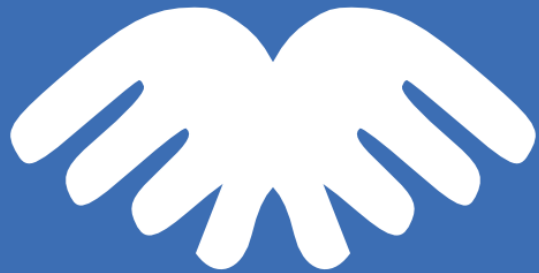
Introduction to Fedora

- The Fedora Project is the name of a worldwide community of people who love, use, and build free software. We want to lead in the creation and spread of free code and content by working together as a community. Fedora is sponsored by Red Hat, the world's most trusted provider of open source technology. Red Hat invests in Fedora to encourage collaboration and incubate innovative new free software technologies.

Core Values



freedom



FREEDOM.

- 100% free, legal, redistributable.
- Software. Artwork. Project code. **EVERYTHING.**
- **Never cutting corners.**

friends



FRIENDS.

- Everyone has something to give.
- Growing.
- Disagreement, then discussion, then consensus.

features



FEATURES.

- Technical excellence.
- Upstream collaboration.
- Our features become part of openSUSE, Ubuntu, Mandriva, others...

first



FIRST.

- Innovation!
- We don't wait for others to do the heavy lifting.
- Rapid release cycle.
- Community R&D lab.

Getting Fedora



- <https://getfedora.org/>

Different Flavors

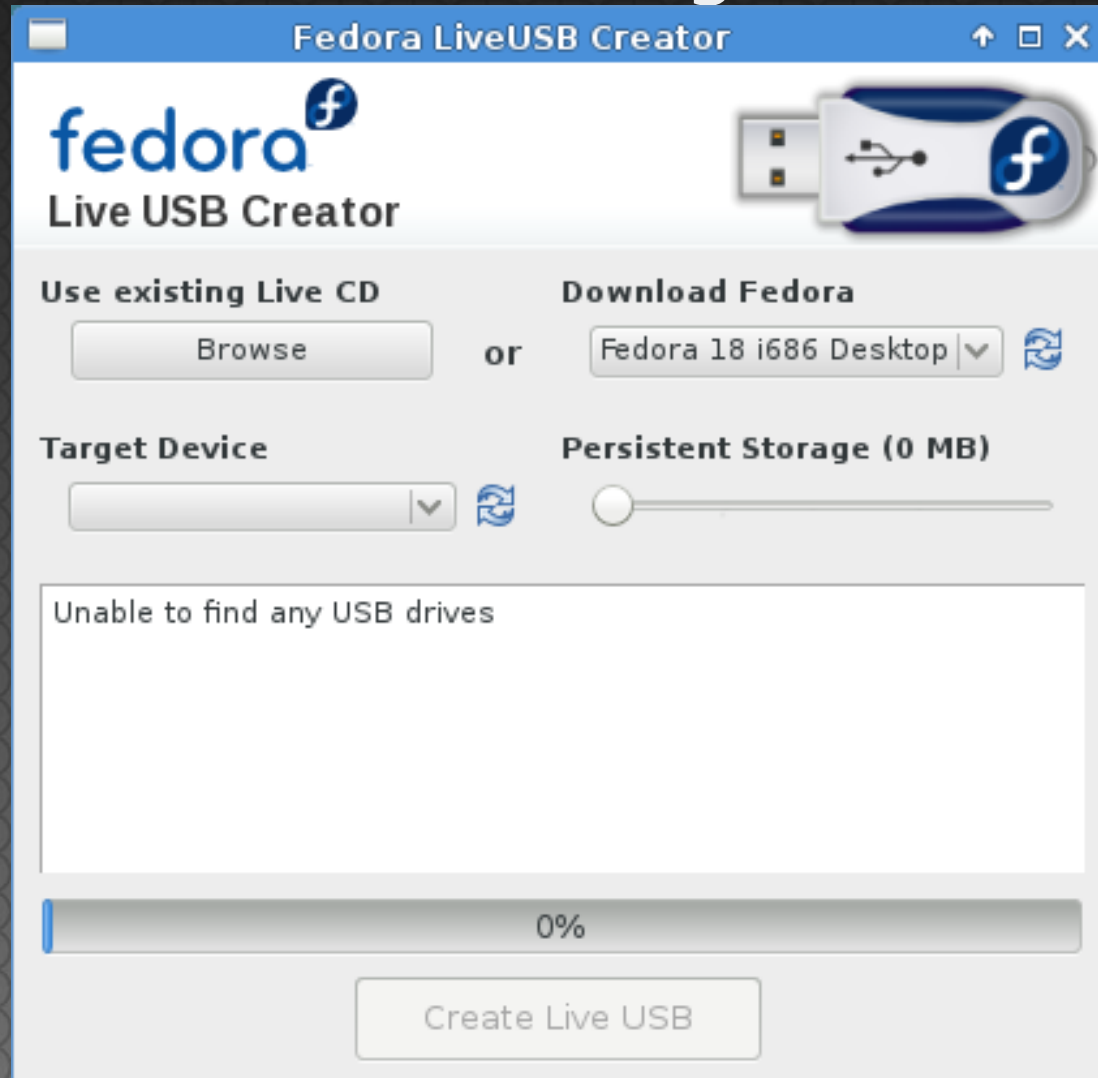
- Desktops:
 - KDE, XFCE, LXDE, MATE
- Electronic Lab (FEL)
- Security
- Design Suite
- Games
- Jam (Music Spin)
- Robotics
- Sugar on a Stick (SoaS)

Different Flavors

- Primary Architectures
 - x86 (32-bit)
 - x86_64 (64-bit)
 - ARM (as of Fedora 20)
- Secondary Architectures
 - PowerPC
 - s390x
 - ARM AArch64
 - And more...

Live USB Creator

- <https://fedorahosted.org/liveusb-creator/>



Who is using Fedora

- Linus Torvalds, the creator and primary maintainer of Linux
- Over a hundred Derived distributions including Red Hat Enterprise Linux
- Transfer machine of our campus card
- Millions of users

Join Fedora

- <http://join.fedoraproject.org>
- Create a Fedora Account
- Find a team or project you're interested in.
- Join their mailing list and send an introduction e-mail; then start working on something!

Join Fedora

- Pick a mentor from the project if needed
- Keep up with the latest news around Fedora
- Don't be afraid to ask questions!

Join Fedora



- Content Writers
- Designers
- People Persons
- OS Developers
- Translators
- Web Developers or Administrators

Content writer

- Write tutorials and articles
- Write documents, guides, how-tos, FAQs, marketing material, process/methodology docs, release notes.
- Write documentation about usability.
- Skills: Writing, editing, grammar, technical knowledge (specific and general)

Designer

- Design projects including: Fedora Logo, Promo Banners, Widgets, Icon Theme, Media Art, Posters, T-Shirt Design
- Skills: GIMP, Inkscape, design

Os Developer

- Create new applications
- Become a package maintainer to create and maintain RPM packages for software in Fedora.
- test/break Fedora.
- Skill : Programming, RPM/Packaging, Bugfiling

People Person

- Spread the word of fedora
- Think of creative ways for promoting Fedora
- Develop marketing strategy to promote the usage and support of Fedora worldwide.
- Provide Feedback to Developers about bugs.
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- Skill : People skills, event organization, customer service/support, enthusiasm

Translator

- Translate documents, guides, how-tos, FAQs, marketing material, process/methodology docs.
- Translate the software to your native language.
- Skill : English, Non-English native language, technical knowledge

Translator

- <https://fedoraproject.org/wiki/L10N/zh-cn>
- <https://fedora.transifex.com/>
- <https://fedoraproject.org/wiki/L10N/Guide/zh-cn>
- You can translate wiki pages or software or anything you are willing to

Web Developer or Admin

- Improve Fedora's image and to create the best possible web interface for users and contributors on the Internet.
- Skill : Python, XML/XHTML, CSS, Web app development, Linux system administration

Join Fedora

- Attitude count!
- Keep working on it after you start

Reference

- [1]
http://en.wikipedia.org/wiki/Free_and_open-source_software
- [2] <http://www.gnu.org/philosophy/free-sw.html>
- [3]
<http://www.deeproot.in/community/student-project/advantages>

Questions?



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