

# An Introduction to

fedora 

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# [ What is Free Software ]

- Software that is generally free of cost, and free as in freedom
- More importantly software that is free in the following ways:
  - The freedom to run the program, for any purpose
  - The freedom to study how the program works, and adapt it to your needs
  - The freedom to redistribute copies so you can help your neighbor
  - The freedom to improve the program, and release your improvements to the public, so that the whole community benefits



# [ The GNU Project]

A recursive acronym for GNU's Not Unix

Started September 27, 1983

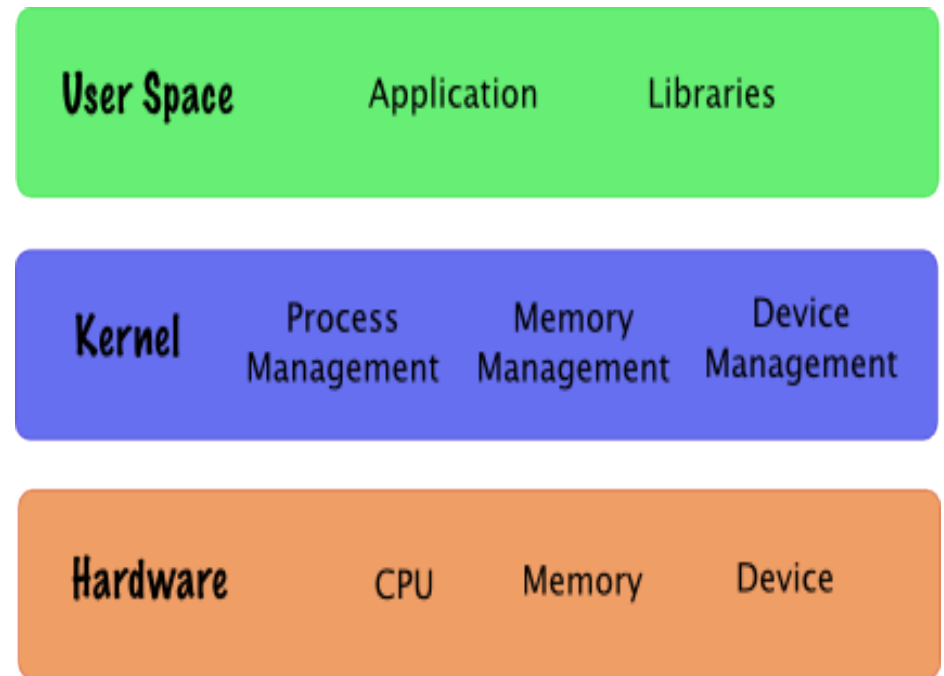
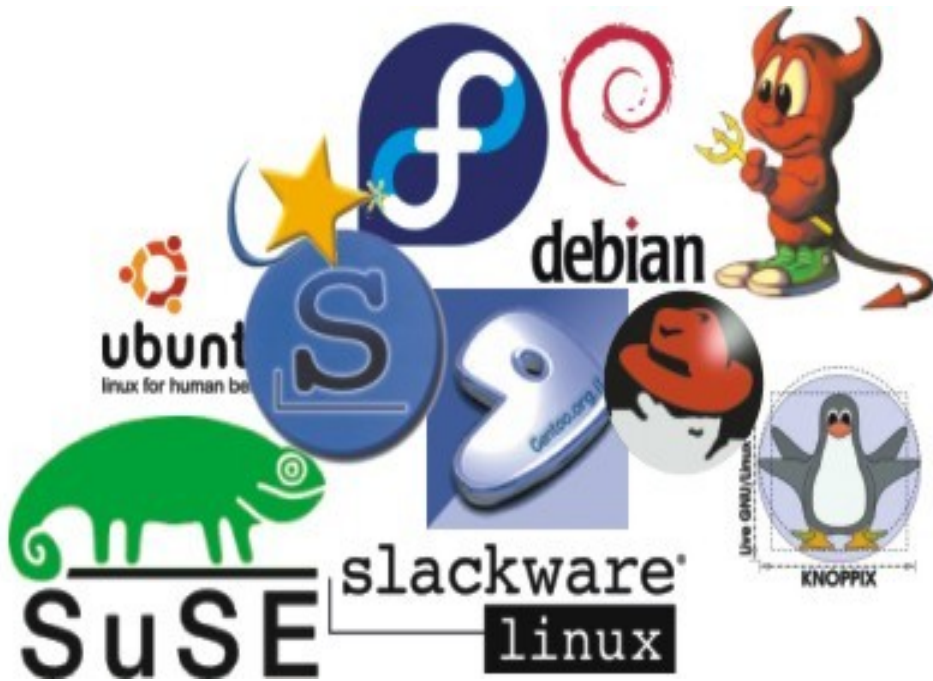
Founded by : Richard Stallman.

Software published under GPL license.



# [ What is GNU/Linux distro ]

- Simply, set of applications and Linux kernel



# [ What is fedora ]

- Fedora is a Linux distribution
- Free, Innovative, Robust, Free
- Has its origins with Red Hat Linux
- Differs from Red Hat Enterprise Linux
  - Frequent releases (every 6 months)
  - Leading edge

Where did Fedora come  
from?



[ In the beginning, there was **Red Hat Linux** ]

Boxed set every 6 months

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Failed business model

[ ... 5.0 5.1 **5.2** 6.0 6.1 **6.2** 7.0 7.1 **7.2 7.3** 8 9 ... ]



[ In the beginning, there was **Red Hat Linux** ]

18 month support cycle

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No time for ISVs to build products

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Failed business model

[ ... 5.0 5.1 **5.2** 6.0 6.1 **6.2** 7.0 7.1 **7.2** **7.3** 8 9 ... ]



[ In the beginning, there was **Red Hat Linux** ]

Selling beta products to customers

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Failed business model

[ ... 5.0 5.1 **5.2** 6.0 6.1 **6.2** 7.0 7.1 **7.2 7.3** 8 9 ... ]



# [ Fedora | RHEL ]

don't sell it | sell it

6 month release | 18 month release

no paid support | 5 year minimum support

new cool stuff | old boring stuff

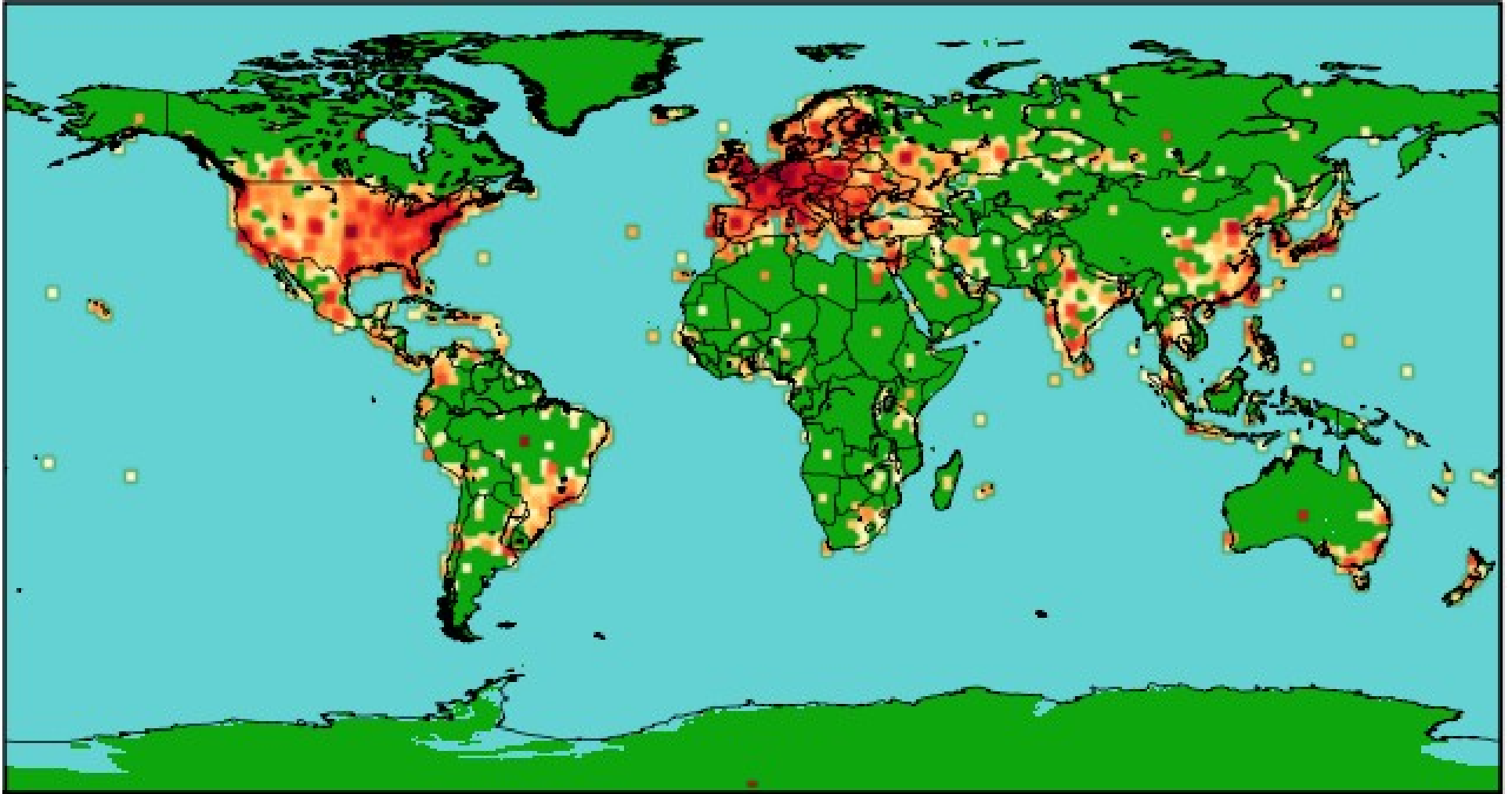
community driven | company driven



# What is Fedora today?



[ 10,000,000 Fedora installations around the globe ]



Source : <http://www.internetnews.com/software/article.php/3786726>



# [ A lab for open source development ]

lab rules:

If you do it, do it in public.

Make it new, but make it work.

Fail, learn, and repeat.

As quickly as possible!



# [ A set of projects ]

Fedora 10 has over 6,500 source packages.

Documentation (release notes, howtos, wiki).

Translation (80+ languages).

Worldwide ambassadors and marketing 570+.

Worldwide volunteer prod-ops and infrastructure team.

Artwork and websites.

Quality assurance and bug triage.

Building more ways to work together.



# [ A promise ]

Free as in speech,

Free as in Food.

Today, tomorrow, and always.



# [ fedora logo ]

the 3 elements [of the Fedora symbol] to combine



**infinity**

**freedom**

**voice**



# [fedora logo]

the Fedora symbol [with Fedora blue and secondary color]



# Who is Fedora?



# [ A community of users and developers ]

irc

mailing lists

hosted projects

bugzilla

community sites

wiki



# [ Join the community ]



OS Developer  
Content Writer  
Translator  
Web Developer  
Graphic Designer



# [ Fedora Teams ]

Documentation Project

Marketing

Localization (L10n)

News Project

Art team

Marketing

Usability

Infrastructure

Bug triage

Packaging

Testing project



# [ A governance model ]

Fedora Project Board

5 appointed members

4 elected members

1 chairman

Real power to the real community.



Why does Fedora  
matter?



**ideas**



“I wish I could download  
my own custom version  
of Fedora from a website.”

“I wish I could  
use all of these  
old computers  
in our school's  
classrooms.”

“I wish I could carry  
my entire computer  
with me on a single  
USB key.”

“I wish I had the  
power to fix  
this simple bug  
in Thunderbird.”

## **ideas**

“I wish someone  
would fix the bug  
I filed six months ago.”

“I wish they'd teach  
how open source  
works at my  
university.”

“I wish I could just  
run this one command  
on every system in  
the company and get  
the results in a simple list.”



# [ Limitless opportunity ]

There are always more bugs to fix.

There are always new tools to write.

There are always new projects to start.

Work in the community and build your name.



# [ First you play ]

Get fedora for free.

Poke it, prod it, use it, share it.

Be curious.



# [ Then you learn ]

“How do I see emails from my girlfriend first?”

“How to I hook a web server to a database?”

“Can I write a script to do this? Or that?”

“Wow, there are actually cool games on Linux!”

The internet changes everything.



# [ Then you do ]

“I set up a wiki server for .”

“I built a backup system for my lab at school.”

“I wrote a script to email hockey scores to my phone.”

The more you do, the more there is to do.



# [ Then you give back ]

“Network manager keeps losing my key. How do I file a bug?”

“I'm working on a spelling game for my nephew. How do I share it with others?”

“I made my own Fedora Live CD – let me show everyone how I did it!”



# [ Then you teach ]

“Here's why open source is better.”

“Yeah, that's broken. here's how to file a bug.”

“Your rpm doesn't build properly. here's a fix.”



# Users of OSS

(Good!)

## Googlers

## Bug reporters

(Better!)

## Patchers

## Maintainers

(Best!)



**[ You're free, now go help the others ]**

You are the leaders we are looking for.

<http://fedoraproject.org>

