

# Japanese FLOSS Now Free Software Movement among People, Open Source Software in Industry

Free Software Initiative of Japan

Chief Operating Officer

Hironobu SUZUKI

日本自由軟件主導會  
董事會副董事長  
鈴木裕信



## Agenda

- Who am I
- Embedded
- Government
- Industry
- Organization and Groups
- Hackers
- Conclusions



## Who am I

- Co-chairman and COO of FSIJ
  - Free Software Initiative of Japan
  - 日本自由軟件主導會 董事會副董事長
- Unix Expert
  - Over 20 years professional career
  - Software consultant, President of my own company
- Part-time teacher in some colleges
  - Waseda Univ. Senshu Univ. and Jissen Women Univ.
- My own Free Software project and research project
  - OpenPKSD.ORG project
  - WCLSCAN project



## Embedded GNU/Linux (1)

- Pixier
  - Wireless Router
- Corega
  - Cbox: Home Web Server
- I/O Data
  - LANDISK: Disk Storage via LAN
- Kinkei System
  - Earth Quake Recorder



## Embedded GNU/Linux (2)

- Sony Hard Disk Video Recorder



デジタルハイビジョンチューナー内蔵。  
ハイビジョン放送も、自動で録れる

デジタルハイビジョンチューナー内蔵  
HDD搭載DVDレコーダー  
**250GB RDZ-D5**

ハイビジョン 録画	電子番組表 (EPG)	おまかせ・ まる録	番組追跡録画/ スポーツ延長	"XMB"
i.LINK (HDMI/DVI入力)	HDMI出力			

**FSIJ**  
FSI-PRODUCT-GROUP

## Embedded GNU/Linux (3)

- Sharp Zaurus



**FSIJ**  
FSI-PRODUCT-GROUP

## Embedded GNU/Linux (4)

- Mobile Phone



NEC



Panasonic

**FSIJ**  
FSI-2004-000001

## Government Support (1)

- METI
  - Budget for “Open Source Software”
    - 9 Million USD/Year
    - FY2003: 19 projects
    - FY2004: 15 projects
      - Operated by IPA 独立行政法人 情報処理推進機構  
INFORMATION-TECHNOLOGY PROMOTION AGENCY, JAPAN
  - The Japan OSS promotion Forum
    - Operated by IPA

**FSIJ**  
FSI-2004-000001

## Government Support (2)

- System Development
  - Desktop Environment
    - School, Government
  - Embedded
    - OpenSource u-TRON, embedded SSH
  - Asian Languages
    - Open Printing, Rendering Library



## Government Support (3)

- Human Resource Development
  - IPA's "Exploratory Software Project" to support individual developers
  - Free Software related projects in "Exploratory Software Project"
    - Japanese input environment
    - KNOPPIX hosting environment
    - Porting uClinux to H8/300



## Government Support (3)

- Survey
  - Free/Libre/OpenSource Software Developers Survey in Japan
  - Survey On Current Status of OSS utilization and Guideline for OSS adoption
  - Survey on ensuring security of OSS

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## Industry (1)

- Major SI-ers



NEC



Hitachi



Fujitsu

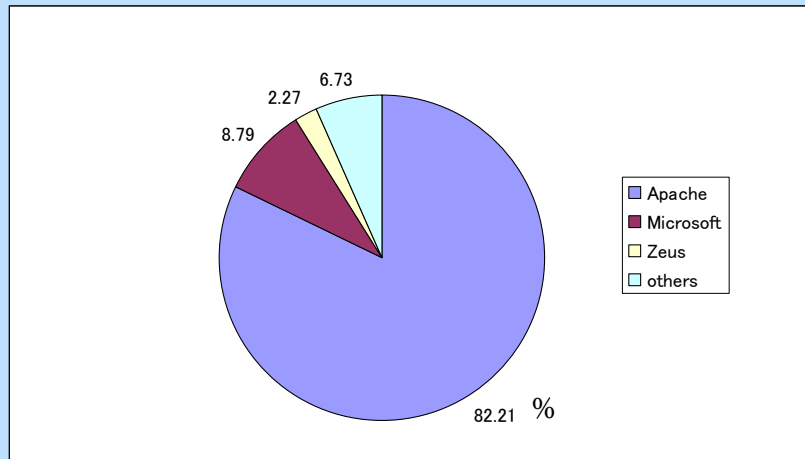
IBM, HP, etc...

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## Industry (2)

Source: E-Soft

- How Apache is Popular in JP domain?



**FSIJ**  
Research Institute, Ltd

## Industry (3)

- Linux Server Shipment
  - 2004: 68,420 servers (13.9% share)
  - 2007 (estimation): 140,000 servers (20% share)
- Distribution for server market (2004)
  - Red Hat Linux 53%
  - Miracle Linux 22%
  - Turbolinux 13%

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Research Institute, Ltd

Source: Yano Research Institute, Ltd

## Organizations and Groups

- GNU/Linux
  - Debian, VineLinux, Gentoo
- BSDs
  - FreeBSD, NetBSD, OpenBSD,
- NPO
  - FSIJ, OSSAJ, JOSAO, OSCAR, etc.
- Regional NPO
  - Okinawa, Hokkaido, Gifu, etc.
- LUGS
  - So many (over 30?)



## FSIJ

### 特定非営利活動法人フリーソフトウェアイニシアティブ

- Free Software Initiative of Japan
  - Since 2002
    - Non-Profit Organization
    - Certificated by Tokyo Metropolitan Government
  - Events
    - Monthly Open Meeting (w/ SEA)
    - Codefest日本2005, 夏休みコード道場2005
  - Special Interest Groups
    - Gentoo, Zope, Debian Archives, etc...
  - [www.fsj.org](http://www.fsj.org)
    - But mostly Japanese language only





## Japanese Developer

- SourceForge.jp
  - 745 projects
  - 6385 members
    - Developers (estimate) 3000-5000

Source: FLOSS-JP report 2003

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## Hacker

<http://www.rons.net.cn>

Someone who loves to program and enjoys being clever about it

Welcome to MNN Project's main site — the cap... the cap...  
File Edit View Go Bookmarks Tools Help  
<http://www.rons.net.cn/>

熱愛編程 享受自由  
A Hacker means "Someone who loves to program and enjoys being clever about it".

**Ask Hong Feng**

Articles & Books  
文章与作品

Hackerdom Pedagogics  
黑客道教学法

Chinese Traditional Poems  
自由的旅程(古典诗词)

My Bookshelf  
我的书架

Ask Hong Feng  
填表提问

**MNN Project**

**Who is Hong Feng?**  
关于洪峰

 **Hong Feng** ([hongfeng@gnu.org](mailto:hongfeng@gnu.org)) is the author of several interesting books, including the "Free Software: New Game Rules" (Chinese version), the creator of Hackerdom Training Program (HTP), a part of MNN Project he founded. Based on the research of the Pansystems Methodology, he's presented the Regretism Philosophy, the Pansystems Measure Theory, and Wuhan Programme. He's discovered a rock-solid theoretical basis for the Pansystems Economics, by which a mathematical model is presented to measure the huge value of the

FSIJ

## Japanese Hackers

- Approx. 2-3% Japanese contributors in major global FLOSS projects
  - Linux 65/3101 (2.0%)
  - Apache 17/523 (3.2%)
  - FreeBSD 176/7907 (2.2%)
  - NetBSD 248/7426 (3.3%)

Source: FLOSS-JP report 2003



## Japanese “Core” Hackers

- Debian
  - 48/1266 (3.7%)
- FreeBSD
  - 176/7907 (2.2%)
- NetBSD
  - 12/46 (26.0%)



## Conclusions

- Embedded Linux is already in our living room
- Japanese major SI-ers provide Linux well
- Japanese government supports and promotes FLOSS
- Many FLOSS organizations and groups in Japan
- Japanese FLOSS developers are not popular in global FLOSS community