Open Source and Innovation 2.0
开源创新与创新2.0

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23 Nov 2008
Open Source is mainstream today

Then

- redhat
- suse
- intel
- IBM
- OSDL

Now

- Maven
- Log4j
- Jakarta Commons
- Aspectj
- dom4j
- Python
- Google
- Eclipse
- Ht tpunit
- Struts
- php
- JUnit
- Spring
- Velocity
- Tapestry
- Hibernate
- Castor
- jaxen
- CACTUS
- Oracle
- MySQL
- Red Hat Linux
- Ubuntu
- Dell
- JBoss
- Sun
- The Linux Foundation
- Intel
- HP
- Microsoft

Intel
Leap ahead
Intel’s involvement has increased over time


Linux is born (on IA)
OSDL formed  (Intel founder)

1999

Harmony, Tiano, Intellinuxwireless
Intellinuxgraphics
Intel Graphics PRM published

2000

Change in strategy: Intel visibly active as contributor to OSS
Xen

2005

Moblin, LessWatts, threadbuildingblocks

2007

TODAY

Intel Voice & Image
Leap ahead
Innovations at all layers of software

Middleware & Applications
- Java
- The Apache Software Foundation
- OpenOffice.org
- MySQL
- Oracle
- SAP
- bea

Development Tools
- Sun Studio
- eclipse
- NetBeans
- php

Operating Systems
- Windows
- Solaris
- open solaris

Virtualization Software
- Xen
- Sun xVM
- VMware
- Citrix
- Oracle
- Microsoft

Platform Firmware
- Drivers: Graphics, wireless...
- EFI Framework

Platform Hardware
- Intel
- Centriq
- Atom
- Core i7
- Core 2 Duo
- Xeon
- Itanium 2

Milliwatts
Intel Architecture
Peta FLOPs

*Other names and brands may be claimed as the property of others.
Open Source @ Intel: People

• Sr. Technologists
• SW Architects
• Maintainers
• SW Engrs.
• Founding members, board of key foundations
• Sales & Marketing

Investing in Technologists, Architects and Engineers with Strong OSS Competency
"Intel in particular has improved wrt open source a lot, and for that reason I tend to suggest that when buying a machine, just make sure that you buy one with Intel graphics and wireless. That takes care of the two biggest annoyances right there."

- Linus Torvalds, Linux Creator

“Of the big vendors I deal with I would say Intel are probably the most co-operative today, they provide good documentation, errata information and also fund or write key drivers for their hardware such as the 3D support (done by Tungsten Graphics) and the wireless. That has really paid off and made their systems hardware of choice.”

- Alan Cox, Community Leader
Open Source @ Intel: Projects

- High Performance
- Low Power
- Virtualization
- Parallelism
- Graphics
- Wireless

Contributing and Leading Key OSS Projects aligned with Advanced Intel® Technologies
Open Source @ Intel: Solutions

- Datacenter
- Web services
- Education
- Mobile Internet (Moblin.org)
- & more…

Working With the Ecosystem to Make Choice of Solutions Dependable and Widely Available
Local OSS effort in China

**OSV/ISV**
- Linux OSV
- ISV Partner
- Software enabling

**Education**
- SJTU/Tsinghua
- OS symposium

**OSS Community**
- ChinaUnix.net
- Linuxpk.com
- Skyeye
- AKA
- Chinese Kernel community

**OSS Media**
- Open Source E-magazine
- CSDN

Open Source Technology Center in China
People: Over 100 engineers, community manager...
Focused Projects: Xen/KVM, Moblin, Linux Kernel, Linux device drivers, OpenSolaris......
Intel has Leadership Presence in OSS to Deliver Platform of Choice

Universe of Open Source Projects

100,000+ Projects

Performance
Virtualization
Power
Parallelism
Graphics
Wireless
MID
Runtime

Filter By Intel Priorities

Key Project Leadership

LatencyTOP
opensolaris
Xen
KVM
Less Watts.
Saving Power with Linux
Intellinuxgraphics.org
Intellinuxwireless.org

The Apache
New Growth Opportunity: Atom/Moblin.org

The “best internet experience in your pocket”?

Simple and affordable device for internet-centric usage models?

Netbooks, Nettops, AutoMP and more..

Common Elements:
*Run the Internet, Low Power, Low Cost*

Market Opportunities:
- CE (Internet) ~$10B
- Embedded ~$10B
- Ultra Low Cost PC ~$10B
- Mobile Internet Device ~$10B
Open Source is mainstream today

"By 2011, 80% of commercial SW will have OSS" - Gartner
Summary

- Open Source is one of the main Innovation focuses in Intel

- Intel has strong competency in Open Source

- Intel China is devoting its OSS effort to innovation

More Open Source info  @ Intel.com/opensource

More Innovation 2.0 info  @ mgov.cn/seminar
Thanks!

“Innovation 2.0 in a Knowledge-based Society”
The 2nd Mobile Government Seminar China
“知识社会与创新2.0”
第二届中国移动政务研讨会
http://www.mgov.cn/seminar/