Contribution of Intel and me in open source

Dr. Xu Chen
Special Contribution Award Winner
Cloud Strategic planning in Intel OTC

About myself

Grow up in South China since 1974

20 years in open source since 1995

Linux FAQ keeper since 2002

Drive Intel OSS strategy since 2007

Some of my major contributions

- **China Open Source Cloud League**
- **Founded since 2012**
- **Drive OpenStack engineering collaboration**
- **43 OpenStack players**

- **China OSS Promotion Union**
- **Deputy secretary general**
- **Promote open source with community and enterprises, including Intel, etc.**

Some of my major contributions -- continued

- **China Linux Kernel Developer Conference**
  - **Founded by Intel/Tsinghua/AKA in 2006**
  - **Recognized as top community technical symposium in China**
  - **Annual event for 400+ kernel developers including all major kernel contributors from China**
- **Major achievements by total patch set statistics**
  - **In kernel Linux-4.2(2015-08-30), China ranks No.2 with 1145(8.36%) vs. in kernel Linux-2.6.19(2006-11-29) , China ranks No.9 with 147(2.20%).**
  - **China upstream contribution mostly from event speakers and attendees**
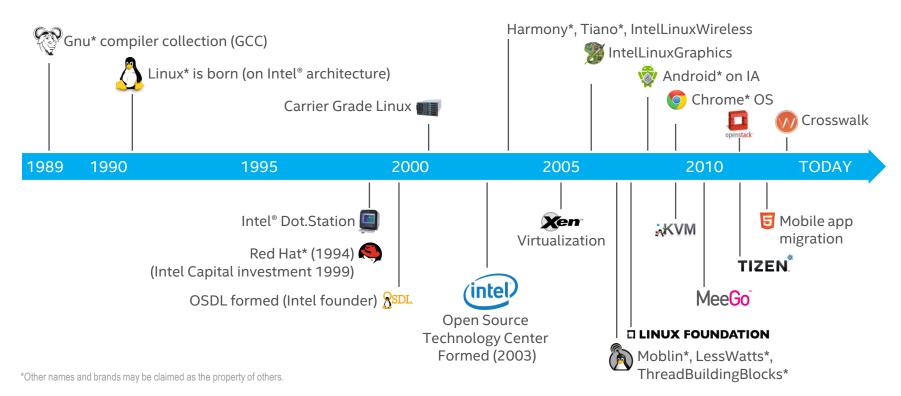- **Core member of the event team since 2007**

Some of my major contributions -- continued

Intel Open Source Involvement: Increasing Over Time

Gnu* compiler collection (GCC)

Linux* is born (on Intel® architecture)

Carrier Grade Linux

Harmony*, Tiano*, IntelLinuxWireless

IntelLinuxGraphics

Android* on IA

Chrome* OS

Crosswalk

| 1989 | 1990 | 1995 | 2000 | 2005 | 2010 | TODAY |

Intel® Dot.Station

Red Hat* (1994)
(Intel Capital investment 1999)

OSDL formed (Intel founder)

Open Source
Technology Center
Formed (2003)

Xen
Virtualization

Open Source
Technology Center
Formed (2003)

KVM

Mobile app
migration

TIZEN

MeeGo

LINUX FOUNDATION

Moblin*, LessWatts*,
ThreadBuildingBlocks*

*Other names and brands may be claimed as the property of others.

Why Open Source, Why Intel?

Open source is everywhere

TOP
3
CONTRIBUTOR

Linux*

Chromium

Android*

Industry Leadership

THOUSANDS OF EMPLOYEES

Contributing to projects worldwide

Creating solutions optimized for Intel® architecture

Drives hardware and software innovations and standards, reducing engineering costs, and accelerating time to market for new products

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intel
Software

Open Source @ Intel

Contributing Talent and Resources and Enabling Solutions

People
Technologists
Software Architects
Maintainers
Software Engineers
Sales & Marketing

Projects
Power Efficiency
Connectivity
Security
High Performance
Virtualization & Manageability
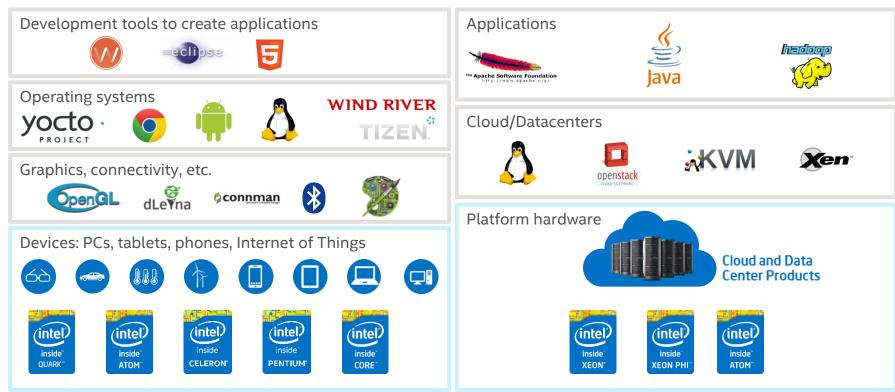Parallelism
Graphics

Solutions
Data Center
Cloud
High Performance Computing
IoT
Web Technologies
Big Data
Mobile
& more…

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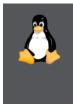
Intel's Contributions Optimize Features & Platforms

Development tools to create applications

Operating systems

WIND RIVER

yocto PROJECT

TIZEN

Graphics, connectivity, etc.

OpenGL

dLeYna

connman

Devices: PCs, tablets, phones, Internet of Things

intel inside QUARK

intel inside ATOM

intel inside CELERON

intel inside PENTIUM

intel inside CORE

Applications

The Apache Software Foundation
http://www.apache.org/

Java

hadoop

Cloud/Datacenters

openstack
CLOUD SOFTWARE

KVM

Xen

Platform hardware

Cloud and Data
Center Products

intel inside XEON

intel inside XEON PHI

intel inside ATOM

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intel Software

Open Source and Technology Leadership

Leading Contributor to Linux* Kernel
Consistently in the top three subsystem owners of the Linux Kernel for the past decade

#1 Contributor to Intel® Graphics for Linux
Highly optimized for power, footprint, performance; high video quality

Leading Contributor to Android* Open Source Project
Optimizing Android OS for Intel® architecture

Improving Performance and Capabilities for HTML5*
Defining web standards, enabling cross-device development

Top External Contributor to Webkit*/Chromium*
Richer web page rendering, smoother video, faster page loading

OpenStack* Board Member & Contributor
Foundation board member and a contributor across all the major projects today

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Together with 3 OSS Awards from China

Tricircle
From Huawei

Presto
from JD.com

RocketMQ
from Alibaba