

# Situation and Development of China OSS

Liu Peng

China Open Source Software Promotion Union  
2015-11-17



中国开源软件推进联盟

China Open Source Software Promotion Union

# Contents

---

- **Global OSS Development Trends**
- **China OSS Situation, Achievements & Challenges**
- **Future Outlook & Suggestion**

# Contents

---

- **Global OSS Development Trends**
- China OSS Situation, Achievements & Challenges
- Future Outlook & Suggestion

# Global OSS Development Trends

---

- OSS has become the mainstream model, impacting the Global IT industry development.
- OSS plays an important role in IT infrastructures and this trends keep expanding

# OSS fully penetrates global IT industries

---



- OSS has become the most leading-edge technology development trend, it created the new changes in the development of technologies and industries
- The entire infrastructure of the IT sector has changed a lot

# OSS fully penetrates global IT industries



- In 2015, 85% business software used open source technologies.
- In 2016, at least 95% mainstream IT companies and organizations will directly or indirectly use OSS in its mission-critical programs.

(reference: Gartner)

# Contents

---

- Global OSS Development Trends
- **China OSS Situation, Achievements & Challenges**
- Future Outlook & Suggestion

# Policy and financial support for China OSS

---

- In 2014, the software business income is 3.7 trillion RMB, 20.2% year-to-year increase, IT services accounted for more than 50% of the total software income
- Increase the R&D and industrialization financial support in Mobile internet, Cloud computing , Big data and IoT
- Support OSS development and application, accelerating formation of industrial ecosystem based on OSS model



# OSS technology application in key industries

---

- Mobile Internet is the main application field of OSS, China has become the world's largest country in terms of mobile phone market and Internet applications
- The server field, Linux continues to expand market share from Internet enterprise to finance, state grid, postal services, education, etc.
- “Tianhe-2 ” for five consecutive years ranking No.1 of the global top 500 supercomputers
- China became the world's most important market in big data
- IoT, OSS hardware has become the new trend

# Enterprises actively implementing OSS strategy

---



- The application of OSS technology in key industry has been deepened such as electric power, postal services, aerospace and education. Huawei, Alibaba, Baidu, Tencent, Sina, China Mobile and other large enterprises actively implement the OSS strategy.

# Chinese contribution to the international OSS community is increasing

---

- Taobao, CSDN, OSChina and other communities published project hosting platforms, to provide developers a better collaborative environment
- 180 Chinese contributors list in Linux kernel version 4.2, the total number of submitted Patch has ranked the No.1.

# Fruitful achievement of CJK OSS cooperation

---

**WG1**

Cloud computing  
OpenStack Cascading  
Inter-Cloud test bed

**WG2**

Compliance curriculum  
OSS training camp  
mutual certification in  
CJK

**WG3**

Research of SPDX standard  
Government & Enterprise  
Collaboration Model  
OSS maturity assessment  
repository

**WG4**

Smart tourism  
Expert consultants for  
Luoyang tourism

# Promote cooperation with the international community

---



Enhance cooperation with the international communities

Outstanding OSS projects

# China OSS Challenges

---

- to enhance OSS recognition & OSS governance
- Need more community contribution
- Need more OSS technical talents

# Contents

---

- Global OSS Development Trends
- China OSS Situation, Achievements & Challenges
- **Future Outlook & Suggestion**

# Future Outlook & Suggestion

---

- Cultivate industry environment, support local communities
- Promote innovation, and encourage the IT industry and traditional industry cross-border integration using OSS technologies
- Promote the development of intelligent manufacturing based on OSS technologies
- Strengthen the OSS industry research
- To strengthen information exchanges and cooperation



# Thank you!



中国开源软件推进联盟

China Open Source Software Promotion Union