



中国评测网

China Software Testing Center

Quality Assurance for Open Source Projects

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China Software Testing Center

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Outline

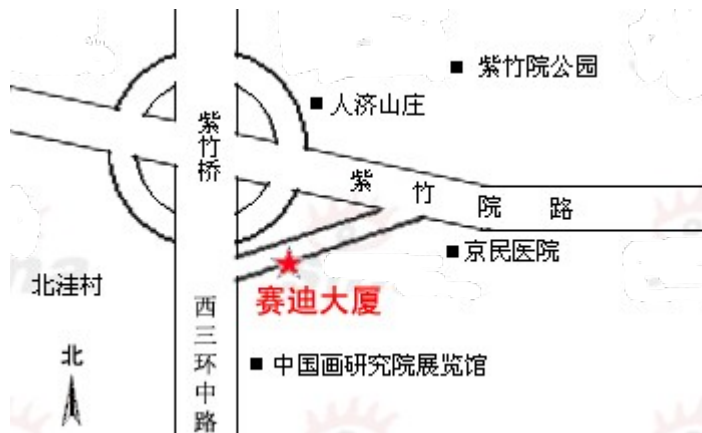
- Background: about CSTC
- OSS from the testing perspective
- CSTC's unique advantages
- Collaboration possibilities
- Q & A



CSTC: China Software Testing Center

The 1st national software and hardware testing institution in China.

- Established in August, 1990.
- Over 200 employees in the Beijing headquarters.
- Administrated by the Ministry of Industry and Information Technology (MIIT) of PRC





Business Areas

- Testing of software products
 - Registration, authentication, validation, security...
- Testing of hardware products
 - CPU, PC, network devices, embedded products...
- R&D of testing technologies
 - Theory, techniques, tools, training...
- National major projects
 - 863, 973, 核高基...



Honors

- 2003, National Quality Management System Certification
- 2004, National 1st-Class Confidentiality Qualification
- 2006, National Quality System Certification of Military Products
- 2007, passed the Information Security Confidentiality Validation of the People's Liberation Army
- 2008, served the Beijing Olympic Games in communication system testing





Customers and Partners

- Domestic companies
 - People's Bank of China, China Mobile, Yongyou Software, Kingdee Software...
- Transnational corporations
 - IBM, Microsoft, Intel, AMD...
- Universities and colleges
 - Beijing University, Tsinghua University, Nankai University, Beihang University...
- Branches of the Chinese government



Now a Member of OW2

- Initiated in 2009
- Proposed in March, 2010
- Accept in May, 2010
- One of the 9 Strategic Members
- At least 3 years of commitment

But why?



OSS: Advantages

- Low cost
- Flexible, quick innovation
- Healthy standardization
- Nice to share knowledge



*A specter is haunting Europe—The specter of _____
communism OSS... Working men of all countries, unite!*

— The Communist Manifesto, 1848



OSS: Disadvantages

- Often lacks in well-defined dev process
 - Or call it “free”
- Often lacks in thorough testing
 - Or call it “agile”
- Often lacks in user-friendly UI and documentation
 - Or call it “who cares”

The rumor: OSS is for experts/nerds/the author.



From the Testing Perspective

Testing is an integral and essential part of the development process.

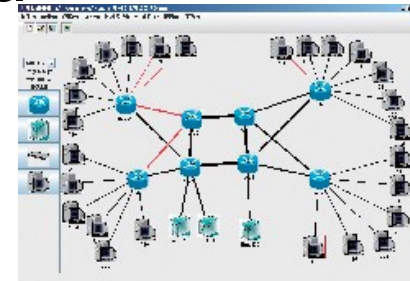
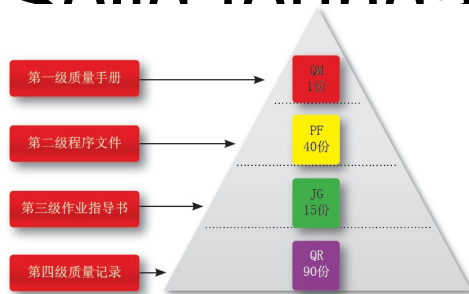
- Spotting and eliminating bugs at an early stage
- Verifying each stage does the right thing
- Verifying it's done in the right way, at the right time

Testing is all about quality assurance.



CSTC is a Big Plus

- Rigorous quality control system
- Abundant testing experience
- Superior testing environment
- Comprehensive testing tools and testing lines
- Solid foundation of theory and





CSTC is a Unique Link

Connecting software producers and end users

- For producers:
 - testing and quality assurance
 - passing user's feedback
- For end users:
 - giving purchase guidance
 - technical/management training



Win-Win Collaboration

- For OW2:
 - Enhanced software quality
 - Certified quality assurance
 - More chances in China
- For CSTC:
 - Cooperation with world-leading software producers
 - Technical meetings and seminars
 - International influence



Now is the Best Time

- Global financial depression brings need for cost reduction
- Rise of cloud computing
- The 核高基 national project
 - 基 = Foundational software, which includes middleware
- The 12th Five-Year Plan (2011-2015)
 - Cloud computing



The Near Future

- Performance testing for JOnAS?
 - A small step at a time
 - Needs involvement of the key developers
- Collaboration on cloud computing?





The Long Run

Just do it.



Summary

- CSTC is an authoritative software/hardware testing institution
- Joined OW2 as a Strategic Member
- Can make a big plus to OW2
- Has its unique position between producers and end users
- Now is a good time for OSS in China
- Let's make it happen ASAP



Q & A

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