

Promoting OSS in China by Standardization

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8th AOSS Symposium
Bali, Indonesia, Feb 2007



China
Electronics
Standardization
Institute

中国电子技术标准化研究所

Agenda

- Overall Progress of OSS in China
 - OSS Ecosystem in China
 - Achievement
- OSS Standardization in China
 - CESI briefing
 - Chinese Linux Standardization
 - CJK Cooperation on OSS Standardization
 - R&D Project to Improve OSS Interoperability

Overall Progress of OSS in China

- OSS Ecosystem in China
 - Government's support
 - Industrialization effort of OSS
 - Public R&D platform of OSS
 - E-government system based on OSS
 - OSS Standardization
 - China OSS Promotion Alliance
 - China OSS Promotion Union (COPU) formed by 191 enterprises, institutions, Universities, and NGOs
 - OSS industrial chain emerging
 - A number of companies build their key business upon OSS technology
 - Cover areas of operating system, database, mid-ware, office suite and application solution

Overall Progress of OSS in China

- Achievement
 - OSS application in China has entered into various sectors

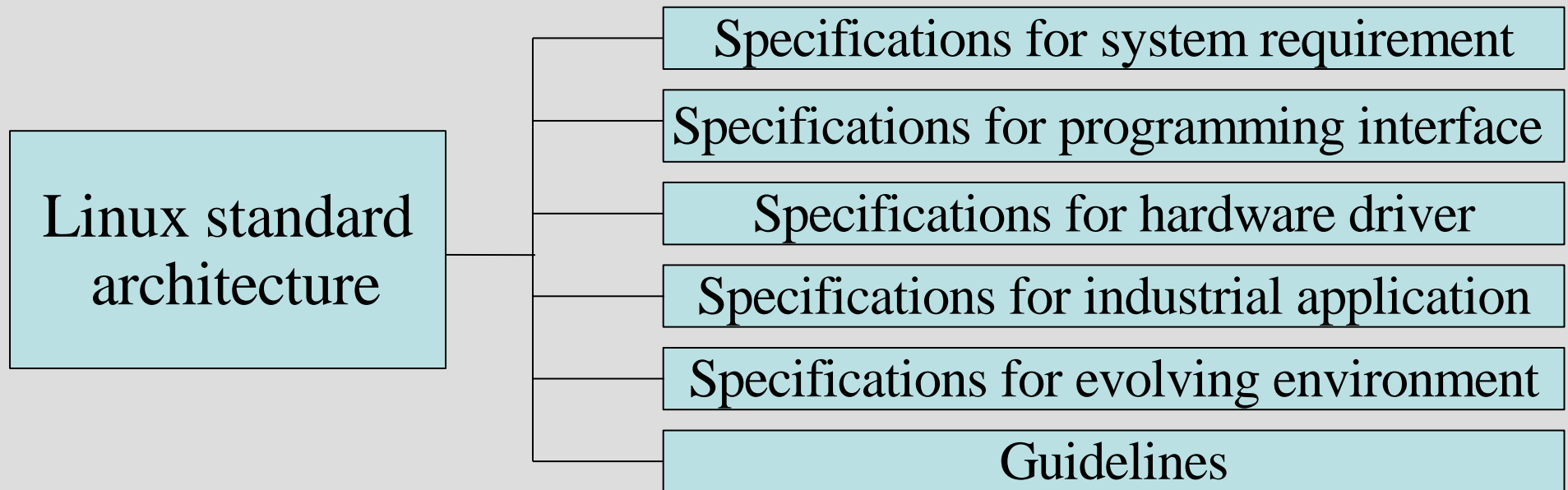
government	e-government, government website, emergency dealing system, decision making system
industry	finance, insurance, tax, telecom, energy, post, traffic, water resource, education, sanitation, metallurgy, agriculture and other industry, e-business
company	ERP, informatization of company
network	internet, online game, network TV, etc.
individual/family	intelligent mobile phone, digital family, consumption market, DRM

CESI briefing

- CESI, founded in July 1963, is a nonprofit institution engaged in standardization and conformity assessment activities in the field of electronic information technologies.
- CESI actively participates in Chinese OSS Standardization
 - Acts as liaison and secretariat in Chinese Linux Standard Group
 - Establishes China LSB Certification center
 - Represents China member body in NEA OSS WG3
 - Takes part in a number of government sponsored OSS R&D projects

Chinese Linux Standardization

- Chinese Linux Standard Group was established, aiming at improving interoperability and usability of Linux.
- Architecture of Linux standards is studied and adopted to guide standards development



Chinese Linux Standardization

- Following standards are waiting ratification
 - Specification for Chinese Linux application programming interface
 - Mainly refers to LSB with addition of input method APIs
 - Specification for Chinese Linux server operating system
 - Specifies functions that server Linux should provide
 - Specification for Chinese Linux desktop operating system
 - Specifies functions that desktop Linux should provide
 - Specification for Chinese Linux user interface
 - Specifies UI styles and operational element of desktop Linux

CJK Cooperation on OSS Standardization

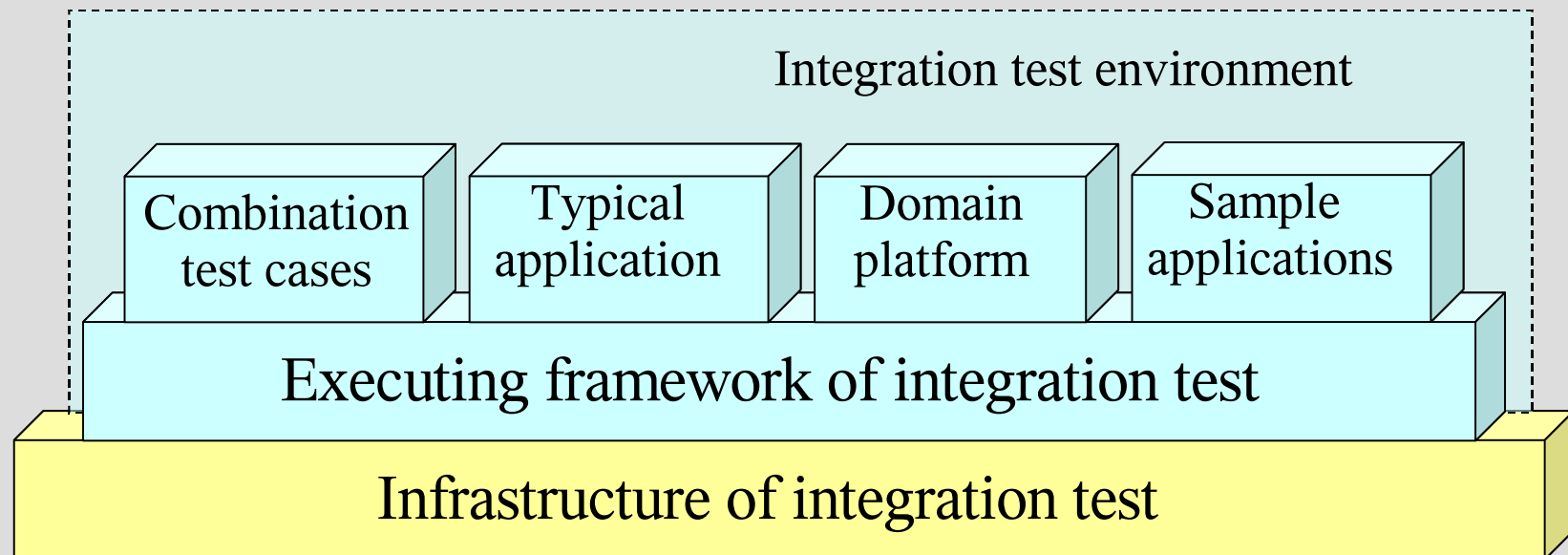
- Under the umbrella of NEA OSS WG3, Standardization and Certification Study Working Group
- Two ongoing research projects
 - Unified IM SPI (Input Method Service Provider Interface)
 - The objective is to specify IM SPI that can be used world-wide. By now, “Requirements for Specification of Input Method engine Service Provider Interface” is published as a WG3 TR (Technical Report), and IM SPI specification based on the TR is under developing.
 - Web Data Interoperability
 - The objective to enhance web interoperability among web browsers. Two TRs are expected as working results, namely “Report of web interoperability discrepancy” and “The guideline for developing interoperable Website”.

R&D Project to Improve OSS Interoperability

- Introduction of the project
 - A National Key Technologies R&D Program supporting R&D project
 - Aim at enhancing interoperability among basic software such as Linux OS, database, mid-ware, office software, and security suite
- Three sub projects
 - Research on key technologies and integration approaches
 - Research on specification and test environment
 - Platform R&D and demonstration in e-government application

R&D Project to Improve OSS Interoperability

- 7 project specifications have been published
- Conformance test environment has been established
- An Application-driven integration test system has been designed and implemented to evaluate interoperability among basic software in real application environment



Thanks!

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