

China OSS Human Resource Development Report

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The 9th NEA OSS Promotion Forum
Seoul, Korea
2010.11.1



PEKING UNIVERSITY

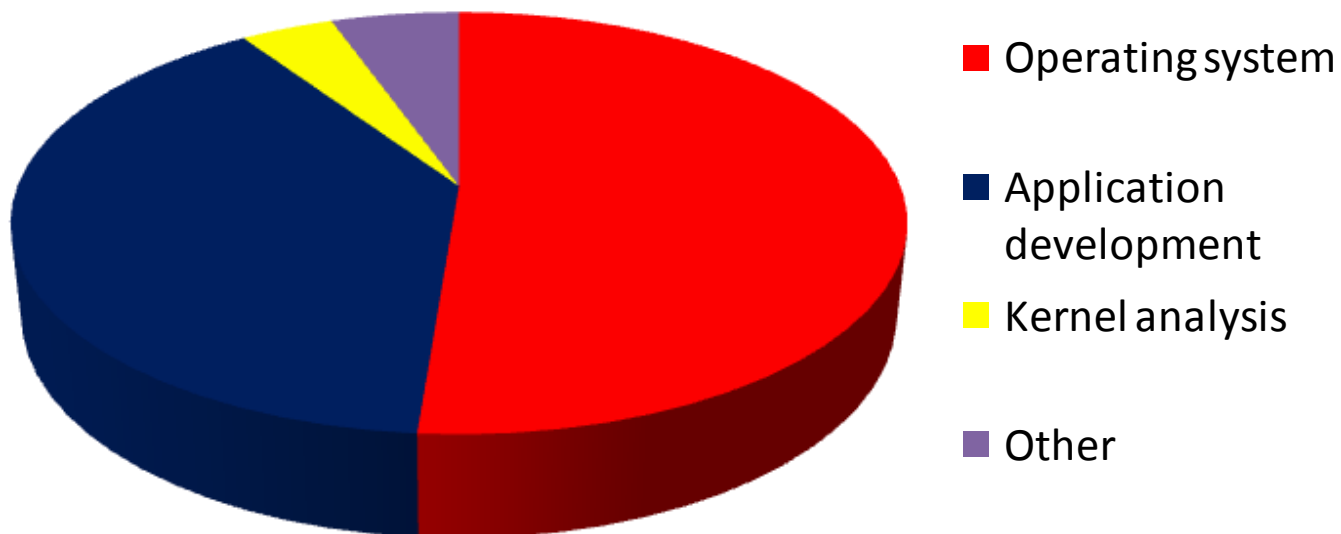
OSS Training in Colleges and Universities

Survey on OSS courses in colleges and Universities (Jan. 2009-Dec. 2010, 40 linux centers)

Course Type	Course Name	Class Hour	Grade(U:undergraduate,P:postgraduate)	Frequency	Student
Basic Knowledge of Linux	Basic Knowledge of Linux Operating System	366	U (1,2,3,4), P	46	4547
	Network Application on Linux	193	U (2,3), P	17	1640
	UNIX Operating System	36	U	1	64
	Total	595		59	5251
Linux Application Development	C/C++	371	U (1,2,3), P	11	2769
	Advanced Linux Programming	144	U (3)	7	595
	Embedded Software Development on Linux	274	U (3), P	10	726
	Software Development and Testing Techniques	39	P	2	160
	Total	828		30	4250
Linux System Principle	Linux Operating System Principle	626	U (3,4), P	18	2458
	Linux Device Driver Programing	76	U (3)	7	604
	Embedded Linux System	412	U (3,4), P	18	1220
	Linux Kernel Principle	48	U, P	4	117
	Total	1162		44	4299
Other OSS Related Coursed	Database Theory and Application (Mysql)	305	U (3), P	10	974
	Webpage Programming (PHP)	190	U (2)	10	821
	Programming (JAVA etc.)	1241	U (1,2,3), P	25	2460
	Web Application Development	92	U (3,4)	4	780
	Middleware Techniques	164	U (3,4)	6	582
	Enterprise Application Architecture	34	P	1	45
	OSS related Lectures	39	P	4	190
	Total	2065		60	5852
Total		4650	U, P	202	20752



Welcomed Courses



Welcomed courses are mainly about Operating System (basic knowledge and principle of Linux)





OSS Teacher Training

- Abroad Study Program for Excellent OSS Teachers from NLTPC
 - Sponsored by State Administration of Foreign Experts Affairs of P. R. China
 - Government will give a consecutive fund support
- 28 days and 21 days oversea-study-programs consist of Project Practice, Keynote Report, Visiting Company, Workshop
 - June 11- July 8, 2010: 10 teachers from 10 universities
 - Nov. 19- Dec. 9, 2010: 18 teachers from 12 universities





OSS Teacher Training

- OSS teacher training by Redflag Education Institute
 - Jan. 2010: 1 week, 35 teachers
 - Jul. 2010: 3 weeks, 575 per day
 - ✓ Conventional Linux application techniques
 - ✓ Linux enterprise architecture techniques
 - ✓ Linux system application development
- Short-term OSS related Teacher Training
 - Peking University-Intel MeeGo teacher training
 - Intel embedded system teacher training
 - Smartphone software development teacher training (based on android)
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Teaching Materials Development

- OSS software case base construction
 - Based on MC2.0
 - Application of comprehensive practice outcomes
 - Can be visited from OSS community (China)
- Teaching materials compiling (on the basis of previous work).
 - Finished in 2010:
 - Java Web development (for practice training)
 - Linux Kernel Analysis and driver programming

The above two are both compatible with the skillsets definition of Model Curriculum 2.0

 - Considering to do:
 - Teaching material on JQuery
 - Teaching material on Android
 - Black box testing based on OSS





China Open Source Software Contest 2010

- Purpose

- Promoting OSS talent cultivation.
- Promoting the development and application of OSS technologies.

- Publicity Mode

- Organize OSS technology seminars in colleges and universities.
- Generalize within the 48 local Software Industry Associations and 16 branches of China Software Industry Associations.
- Organize theme workshops of the frontier and hot issue in OSS area, like the cloud computing, distribution of cluster technology, industrial applications, mobile computer and so on.

- Overview

- Time: 14 Jun.~30 Dec.,2010.
- Qualification : Enterprise R&D personnel, College students and enthusiasts in the open source community.
- Awards: Gold Medal 1, Silver Medal 3, Bronze Medal 5, Excellent Innovation Project Award 25

