



Open Source in Pakistan

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Government's OSS Objectives

- **To raise OSS core software development awareness in masses**
- **Decrease dependency on proprietary software**
- **Address the issues of Intellectual Proprietary Rights effectively**
- **Decrease deployment costs in education and government sector**



OSS Projects

- **Open Source Resource Center (OSRC)**
- **Linux Administrator Training Program (Pakistan Computer Bureau)**
- **Industrial Automation using open source (Pakistan Software Export Board)**
- **Federal Data Center Project (Electronic Government Directorate)**



Linux Administration Training Program

- Under this program training imparted to the technical employees of the Federal and Provincial Governments at Islamabad/Rawalpindi and all the Provincial Headquarters including Azad Kashmir
- The project has been prepared on the demands of the Federal and Provincial Governments. It will be extremely helpful in the introduction of E-Government and will improve administrative efficiency and office productivity



Open Source Industrial Automation

- PSEB's "Automation of Domestic Industry on Open Source Systems" project is engaged in developing complete ERP solutions to automate the processes and procedures for the SMEs in HR & Payroll, Finance, Inventory, Production and Sales in those sectors of the economy with the highest export potential. The ERP solutions are being developed using open source software code. The solutions will be made available to the industry, so that applications can be further enhanced as per the needs of the units



Electronic Government Directorate

- **Implementation of different projects related to the Electronic Government (E-Govt) Program**
- **Federal Data Center Project**
- **1100 PCs using openoffice**
- **Open Source Operating System on servers**



Open Source Resource Center

- **Develop a community for open source**
- **Hold workshops over Open Source Development in all major cities**
- **Create a network of Open Source developers**
- **Groom an environment of Open Source Development in Pakistan**
- **Encourage OSS R&D activities in local universities with international collaboration**



STRATEGY

- Mobilize the OSS practising community (through OSRC web-portal & academia)
- Conduct Training/Awareness workshops (ensuring local industry participation)
- Promote OSS in industry (seminars, training material, discussion forums, network with hardware/software vendors)
- Build in-house support capability
- Back-up support on solution(s) given to the industry on OSS



Current Activities...

- **OSRC Portal to act as a comprehensive online resource for FOSS**
 - Gateway to on-line resources on OSS
 - Means for the OSS community to contribute and to interact
 - News on FOSS
 - Discussion forums
 - FOSS activities in the region
 - FAQ
 - www.osrc.org



... Activities

- ITCN Asia 2004, 05-06
- 40 Workshops / Seminars on OSS held in major cities
- International event held with NIIT & ComTech Japan in November 2004
- Developed an open source training toolkit
- Göteborg University: Certificate course on open source
- Migrations from proprietary to open Source
- On-going assistance



... Achievements

- **Over 700 LAMP Trainees in all capitals (Islamabad, Peshawar, Lahore, Karachi and Quetta)**
- **11 Migrations to open source**
- **Savings of over 35 million rupees**
- **Inclusion of OSS in government projects**
- **OSRC web portal**
- **Over 40 workshops & Seminars on OSS**



University Collaborations

- A certificate course on open source by Göteborg University, Sweden
- Second highest enrolment from Pakistan. i.e. 20 %
- Similar collaborations with other Universities round the world under way to provide opportunities to open source stakeholders in Pakistan
- Training workshops and Seminars held in major public sector universities all over the country
- Liaison with “Higher Education Commission” for inclusion of OSS in university curriculum



Local OSS Organizations

- **ANTS Consulting (Migration Consultants), Karachi**
- **Copyright Solutions, Islamabad**
- **Emergen Consulting, Karachi**
- **Iinux Solutions (OSS based Solutions), Islamabad**
- **PING Systems (Security & Network Consultants), Karachi**



Local OSS Forums

- LinuxPakistan.net
- [Computer Society of Pakistan FOSS Special Interest Group](#)
- [FOSSFP](#)



What is Next ??? (2007-2009)

- 20 OSS Awareness Seminars
- 20 OSS Training Workshops
- Assistance in Migration / Adoption
- 10 Migrations
- Open Source in University Curriculum
- Liaise with Virtual University for OSS lectures
- Liaise with Provincial and Local Governments for open source projects
- International Conference on Open Source
- Interact with Linuxpakistan and other OSS communities
- You tell us.....?



**Thank You
Q&A**

<http://www.osrc.org.pk>

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