

“INDONESIA, GO OPEN SOURCE !”

Progress Report

Jakarta
July 2005

- Current Constraints Related to Open Source Movement in Indonesia
- Supported Issue in Indonesia Related to Open Source Movement
- OSS Related group and Organizations
- OSS Related Project and Current Active Distro
- Benefit of OSS
 - > Public Users
 - > Government
 - > Industry
- **PROGRAM IGOS (Indonesia, Go Open Source)**
 - > Background
 - > Goals
 - > Targets
 - > Strategic Plan
 - > Countermeasure
 - Joint Statement of “Indonesia, Go Open Source” (IGOS), 30 June 2004
 - Formulation on Government Policy for Utilization and Development OSS
 - Socialization
 - Awareness for Public and Developers
 - Development of Centers
 - Development of Application
 - National OSS Repository

Current Constraints Related to Open Source Movement in Indonesia

- **People's lack of knowledge on open source :**
People not familiar with open source software due to lack of mass media promotion on this movement.
- **Open source software not user friendly :**
In general open source software has not been designed by simple documentation for public.
- **Difficulty of access to find open source software :**
In general distribution open source software through internet, while internet access in Indonesia quite limited so that difficult to be obtained (download).
- **Lack of public concern for open source software :**
People easy to find illegal software so that they not really need the open source software.

Supported Issue in Indonesia Related to Open Source Movement

- **Intellectual Property Right**

- Stricter rule regarding software IP
- Real Result: pirated software no longer displayed on public places
- Has impact on open source usage

- **Launching OSS Program**

Public awareness on open source software utilization has been increase, even still far for target that should be achieved.

OSS Related group and Organizations

- **Indonesian Linux User Group (KPLI)**
As an active open source communities forum spread in 38 cities by maintaining several activities: seminar, millist group, development of open source software distribution (Blank On Distro)
- **Indonesian Java User Group (JUG Indonesia)**
As an active open source communities forum focusing on Java technology by maintaining several activities: millist group, socialization, software development for enterprise application (Blue Oxygen Distro)
- **Pandu Team**
Creates documentation and e-books on open source software
- **Developer Force**
Open source J2EE on Linux
- **OSCG (Open Source Contributors Group)**
Host, discuss, and develop open source software projects

OSS Related Project and Current Active Distro

Several distro for desktop and enterprise application have been developed by government as well as private funding.

- **Blank on :**
 - Developed and supported by YPLI (Yayasan Pengerak Linux Indonesia)
 - Used to promote open source software by KPLI
 - Based on Fedora core, GUI using GNOME (version 1), GUI: KDE (version 2)
 - Runs on middle end hardware
- **Trustix Merdeka :**
 - Distribution Linux in Indonesia language.
 - Developed by individual/private company (lead by Ahmad Sofyan)
- **GDL (Ganesha Digital Library) :**
 - Distributed WebBased Digital library software
 - Used to implement the Indonesian Digital Library Network
 - To fill the gap of the digital divide
 - Successful project

OSS Related Project and Current Active Distro

- **NetOffice**
 - Web based corporate portal software
 - Supported by ITB (Institute of Technology, Bandung)
 - Seamless integration with other web application (Complements instead of replace existing web application)
 - Deployed on ITB, PLN, MQ, and other sites
- **Linux Sehat**
 - Knoppix Based distribution to reduce complexity
 - Supported by the Gunadarma University
 - Given away for free (through ISO download and free CD request)
 - To introduce healthy computing (in the term of legality and simplicity)
- **RimbaLinux**
 - Linux distribution aimed to be unique and more appropriate for Indonesian people
 - Supported by Rimba Software, a open source software company

OSS Related Project and Current Active Distro

- **WinBI**
 - Developed and supported by BPPT
 - GUI using KDE
 - Translated to Bahasa Indonesia
 - Contains LTSP Software, five e-Books in Bahasa Indonesia
 - Reduce Training/Support Cost
 - Educate about the open source movement
- **Warnet Aplication (Waroeng IGOS, IGOS Berdikari, IGOS Laba-laba, IGOS Kwartet)**
 - Developed and supported by YPLI (Yayasan Pengerak Linux Indonesia), Gunadarma Univ. and local developer
 - Used to promote open source software Internet Cafe
 - Office desktop based on Fedora core, GUI: KDE, Networking management, security and Billing system.
 - Runs on middle end hardware

Benefit of OSS for Public Users

- To encourage increasing creativities to responding the needs.
- To provide affordably alternative software on desktop
- To improve community's knowledge on information technology
- To minimize information technology gap
- To boost access to community information
- To accelerate creativity in developing and exploiting information technology

Benefit of OSS for Government

- To minimize cost of software purchase (particularly the use of operating system on desktop and networking)
- To economize budget in software procurement
- To raise local software industry so as to be able to improve innovation on information technology
- To provide an opportunity for software development
- Enterprises/institutions are able to understand business process by way of improvement/modification
- To reduce issue on Intellectual Property Right
- To promote information technology competition
- To improve the openness and security system factor
Memperkecil biaya pembelian perangkat lunak (khususnya penggunaan sistem operasi desktop dan jaringan)

Benefit of OSS for Industry

- To improve development of national software industry
- Low cost in entering software industry
- To build human resource capability on information technology
- Migration to new paradigm from “IT import” to “IT export”

PROGRAM IGOS (Indonesia, Go Open Source!)

National program in accordance with its tasks and functions for strengthening national information technology infrastructure to accelerate information exchange on science and technology as well as to exploit development of global information infrastructure to support OSS development.

Background

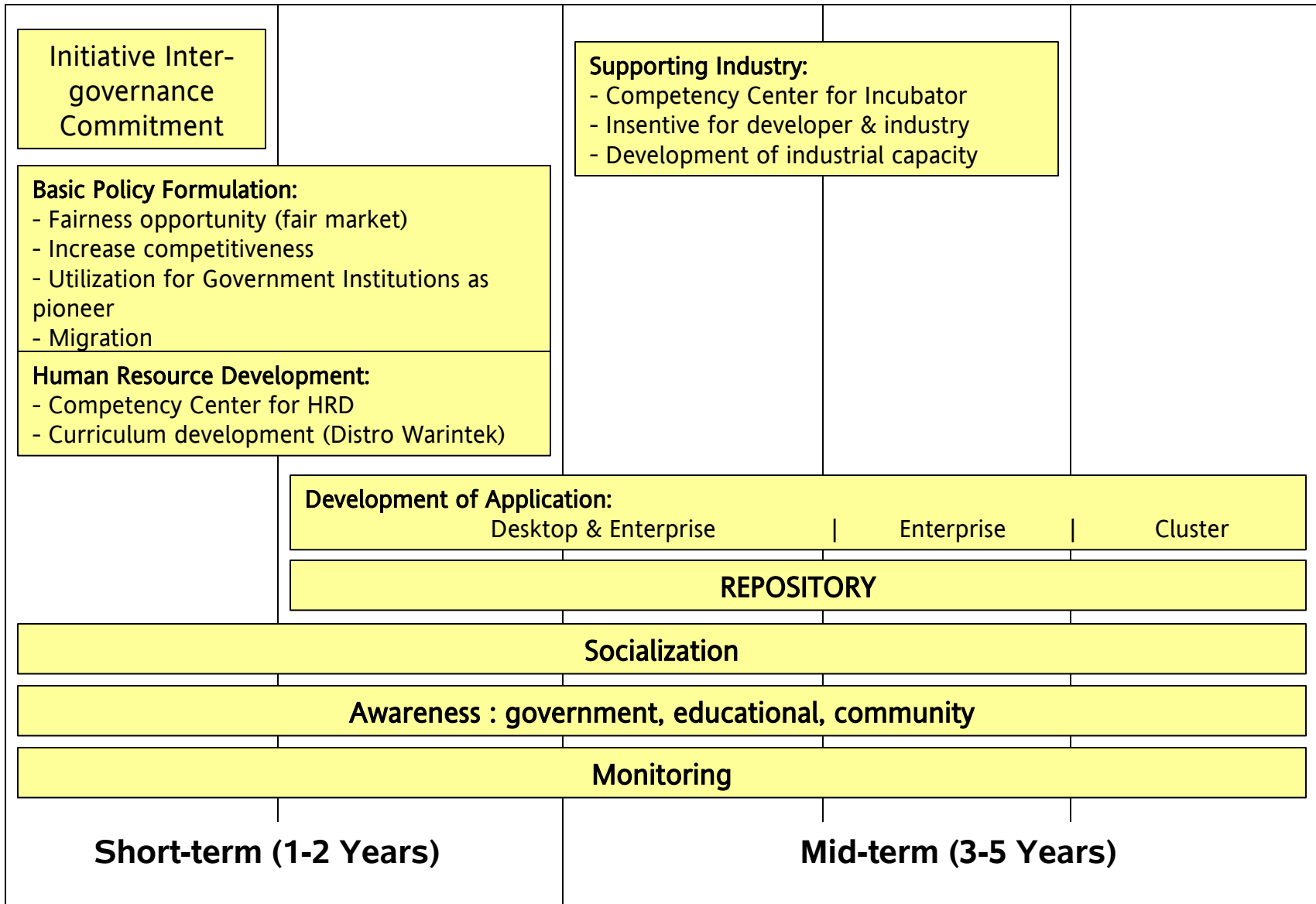
- Open source software is one global issue of ICT.
- Stipulation on Intellectual property right to reduce software piracy.
- Information technology digital divide between developed country and developing country as well as between urban and rural area in Indonesia.

Ref: *World Summit on the Information Society (WSIS)*, 2004 and Result of assessment of *The United Nation Conference on Trade Development (UNCTAD)*, 2003.

- To minimize information technology gap between Indonesia and advanced countries through software development
- Strengthening **innovation** and **creativities** in the field of IT through software development national wide.
- To accelerate, develop, create, adopt government's programs in information technology that has political effect (acceleration of e-government program), economic effect (economizing on state budget license provisions, stimulation on SMEs building in IT), social effect (encrease of computer use, trainings, increase of information access), S&T (building on the capability of R&D and human resource on information technology)

Targets

- To provide more alternative software that can be used for society legally and affordably
- To build the capability of S&T on national information technology development especially in software
- To create competition on software development that can turn information technology industry in Indonesia as one of key players in international



COUNTERMEASURE / ACTIONS

Joint Statement of “Indonesia, Go Open Source!” (IGOS) 30 June 2004

- As a basic commitment for implementation of IGOS Program
- Initiator : Ministry of Communication and Information, Ministry of Research and Technology, Ministry of State Administration, Ministry of Justice and Human Right, Ministry of National Education
- **Main pillar of statement:**
 1. As importance of information technology’s role in people livelihood related to the economic growth, The main success keys that need to be considered are self-effort, competitiveness, creativity and innovation.
 2. Government and civil society have agreed to have strong effort in the utilization of information technology.
 3. To support for the success of these efforts, development and utilization of open source software is one of strategic actions to accelerate the encouragement of information technology in Indonesia.
 4. To obtain as much benefit as possible, government and national information technology society have agreed to implement following actions plan such as:
 - a. to use legal software in government institution.
 - b. to disseminate utilization the open source software in Indonesia
 - c. to prepare guideline of utilization the open source software in Indonesia
 - d. to establish the open source software-based competency training center and there information technology business incubator centers in Indonesia
 - e. to support and improve coordination, capacity, willingness, and participation for optimum utilization the open source software in government and civil societies.

Formulation on Government Policy for Utilization and Development OSS

- As basic reference for all related stakeholder.
- Setting policy related to : General OSS Guidance, Guidance for Utilization Open Source for Government and Guidance of Migration
- Status : on going

Socialization

- Socialization process will be implemented gradually in central and regional government institutions, privates, and public community.
- Implemented through mass media radio, television, seminar, workshop and website
- Participation on Ritech Expo 2004 on August 2004 in Jakarta
- Participation on several seminar and workshop regarding on *Open Source Software*
- *Website* (<http://www.igos.web.id>) for socialization of oss program and government policy as well as (<http://www.igos.or.id>) for facilitate public communication and sharing information.
- Open house : Inovation of OSS on July 2005
- Holding a National IGOS Seminar to discuss open source software utilization on Indonesia for supporting economic development – Plan : Sept 2005

Awareness for Public and Developers

1. IGOS Award 2004 (August 2004)

- Awarding for individual and institution which have out standing contribution for development and utilization of open source movement in Indonesia.
- Winners: 15 individuals and 5 institutions.
- Plan: every two years

2. IMOVATION (Information and Management Innovation) Essay Contest

- IT increase public awareness on open source software utilization as alternative in practical daily use.
- Theme: “Developing open source software application alternative toward efficiency”.
- Joint cooperation between Ristek and Indonesian Central Bank
- Numbers of participation : 124
- Implementation July 2005.

Development of Centers

- **Java Competency Center** : joint cooperation between LIPI, ITB and SUN Microsystems to develop human capacity building and business incubator.
- **Desktop Application Competency Center**: Joint cooperation between Ipteknet BPPT, LIPI, PT Inti to develop and support the Garuda Desktop Application.
- Development Center for support and development the enterprise application, such as: e-gov application, e-learning, e-health, TEWS modeling, animation, etc.

.

Development of Application

1. Development of OSS Desktop “Garuda” Desktop Application

- “Rebranding” Java Desktop System (JDS) to be public desktop application consist of word processing, spreadsheet, presentation, web browser, mail manager, etc.
- Executed by local developers in cooperation with SUN Microsystems
- Numbers of licences 250.000.
- Phase I: distributed to all level government institution in midterm period 3-4 years.
- Launching plan : August 2005

2. Distro “Warintek”

- To develop “content management” application to be used digital library, Warintek, office, etc.
- Develop on web-base under Java technology.
- Status: Version 0.1 - done (finish), version 0.2 – under construction
- Distribution : free CD-ROM and OSS Repository Website
- Proposed utilization : curriculum reference for IT vocational high school.

Development of Application

3. Application of “WAROENG IGOS”

- Internet kiosk application to manage server, desktop and other equipment to obtain access internet for public.
- Application packages: OS, desktop application, web browser, mail manager, billing system, security, etc.
- Distribution on 4.000 internet kiosk in Indonesia in the form of free CD-Rom and upload on OSS website repository
- Base Knopix debian, running on low end hardware.

National OSS Repository

- Virtual data bank under web-base for open source software development and utilization.
- Consist of repository for development software (source code management) and Repository to keep and update the distro (application, bugs etc)
- Spec: project management, forum, document manager application using PHP; messenger, wiki2(application for sharing information), content management using Java technology; Millist using PYTHON and Web-server using apache
- Joint cooperation between Ristek JUG, vendor and University
- Status: on going

Thank you
Terima kasih