Open Source For Community Development

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ICT Trust Fund
ICT Trust Fund Overview

Established in 2002 as a partnership agreement between Ministry of Communications & Information Technology (MCIT) and United Nation Development Programme (UNDP)

Foster sustainable socio-economic development using information and communication technologies (ICT for Development)
FOSS Policies

- Earlier in 2004 with the Support of UNDP Cairo Office, The ICT Trust Fund adapted Open Source Software policies during the projects implementation life cycle.
  - ICT Trust Fund participated in the Asia Source 1, 2 focusing on SMEs & NGOs Open Source Projects
  - ICT Trust Fund Collaborated with the IOSN.net “International Open Source Network”, The IDRC & The UNDP Asia-Pacific in FOSS Activities

- The FOSS adoption policies was to minimize the cost of Software licenses & operation maintenance as The ICT Trust FUND Projects are based on donation funding.
FOSS Policies

- The ICTFUND Implemented an Open Source Datacentre including the Security Boxes, Networking Services & Application Tiers to incubate & sustain the projects.

- The Datacentre is running over 10 Year with an SLA 99%

High Availability E2 Link
20 TB Network activities/year
DC Services Uptime 99%
SaaS Application Layer
FOSS Case Study

Migration From Proprietary Systems to FOSS

✓ **Project Name:** CDP “Community Development Portals” Project
✓ **Project Donner:** Italian Cooperation
✓ **Project Budget:** 2 Million EGP
✓ **Project Objective:** Availing On-line Portal to foster Specialized Arabic Content

❖ The project was implemented using Oracle OCS 10g (Oracle Collaboration Suite) & Oracle RAC “Real Application Cluster” for high scalable real-time database applications.

❖ The OCS Product was terminated & it was recommended to upgrade the platforms to a new Middle tier (Oracle Beehive).

❖ To overcome the cost & functionality issues, The ICT Trust Fund Migrated the project infrastructure to FOSS Platforms.
FOSS Case Study

Migration Duration: 5 Months

- Operating Systems
  - Linux Enterprise Servers (CENTOS)

- Database Systems
  - MySQL Servers
  - Clustering Failover Systems

- Web Application Platform
  - PHP Framework
  - Open Source CMS
  - Open Source Groupware

Return of Investment:

- Total Cost of Ownership (TCO) is downsized by 60%
- Service Sustainability
- Highly Qualified Technical Human Resources
- Expanding the Hardware Infrastructure Tiers.
FOSS Success Stories

Knowledge Economy (Online Services)

- 250,000 Websites
- 1,200,000 Published Page
- 20,000,000 Visits / Year

www.Kenanaonline.com
FOSS Success Stories

E-Learning (TeleCentre Academy)

- 20 Online Courses
- 200 Registered Telecentre
- 500 Graduates

Ministry of Communications & Information Technology - Egypt
FOSS Success Stories

E-Health
Remote Tele-Consultation

300+
Tele-Diagnosed
E-Commerce

SIWASHOP E-Marketing Portal

Dates Products
Olive Products
Agricultural Products
Carpets and blankets
Handicrafts and embroidery
Silver Products and Accessories
Pottery Products
Wicker Products

Salt Decorations

Ruby Stack
MySQL
Multi-Lang MarketPlace

300 Registered M/SME
Embedded Systems

Single Processing Unit (Low Cost)
Multiples Isolated User Environment
Based Linux Kernel & XServer Threading

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Thank you