

GOSCON

October 12-13, 2006

**One Agency's Experience
With Open Source**

Bill Welty, CIO

Air Resources Board

State of California

One Agency's Experience



One Agency's Experience



One Agency's Experience

Torvald's Call for Collaboration:

From: torvalds@klaava.Helsinki.FI (Linus Benedict Torvalds)

Newsgroups: comp.os.minix

Subject: Free minix-like kernel sources for 386-AT Message-ID:

Date: 5 Oct 91 05:41:06 GMT

Organization: University of Helsinki

*Do you pine for the nice days of minix-1.1, when men were men and wrote their own device drivers? Are you without a nice project and just dying to cut your teeth on a OS you can try to modify for your needs? Are you finding it frustrating when everything works on minix? No more all-nighters to get a nifty program working? **Then this post might be just for you :-)***

One Agency's Experience

- ARB OS Install Base 2006:
 - 65% applications run on **Linux**.
 - 89% web apps run **Apache**.
 - 67% apps requiring a database use an open source product: **Mysql**, **postgresql**
 - 83% of scripting languages used are non-proprietary, like **PHP**.

One Agency's Experience

- State of California

- 2004 California Performance Review:

- ...for potential immediate savings, departments should take an inventory of software purchases and software renewals in the Fiscal Year 2004-2005 and implement open source alternatives where feasible.
 - ...it is recommended that state departments actively research and evaluate open source code alternatives prior to considering use of the traditional procurement model for software.
 - ...looking to the open source community for applications that serve the same function as closed source solutions may cause vendors to be more flexible with pricing and licensing structures.

- State CIO clarification: no state policy that establishes preference for proprietary or open source solutions.

One Agency's Experience

- Air Resources Board
- Board of Equalization
- CaliforniaResources Agency
- Department of Child Support Services
- Department of Transportation
- Department of Water Resources
- Department of Technology Services (Data Center)
- Department of Consumer Affairs
- Department of Education
- Department of Finance
- Department of Justice
- Franchise Tax Board
- Governor's Office
- Office of Emergency Services
- State Controller's Office
- State Treasure's Office

One Agency's Experience

- State Archivist
 - Proponent of open standards for data formats: recommends adopting standards for creation of Archive-Ready records using non-proprietary products.
- University of California at Merced
 - Establishing an Open Source Research and Development Institute

One Agency's Experience

■ The ARB Experience

- ✓ Total Benefits Understood
- ✓ Total Costs Assessed
- ✓ Trustworthy Product Development and Testing Process
- ✓ Interoperability, Compatibility Requirements

One Agency's Experience

■ The ARB Experience

✓ Ecosystem of Help

■ California State Open Source Working Group:

<http://www.opensource.ca.gov>

✓ Servicing, Patching, Responsiveness

✓ Support, Accountability

✓ Roadmap for Improvement, Relevant Innovation

One Agency's Experience

- ARB's OS Website:
 - <http://www.arb.ca.gov/oss/oss.htm>
- Ca. State Open Source Website:
 - <http://www.opensource.ca.gov>
- My email address: wwelty@arb.ca.gov
- Questions/Answers?