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## Open Standards - Open Source

**The Business, Legal, and Technical Challenges Ahead**

**June 24-25, 2003, Minneapolis, MN, USA**

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**In association with**



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# The Open Group

## Open Standards – Open Source Social & Ethical Track

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# The Center of OS & Government

## [[www.egovos.org](http://www.egovos.org)]

- ◆ Work with governments on Open Source policy
    - ◆ DoD, OMB, European, Asian, South American, UN, World Bank
    - ◆ Work on NSA's SELinux
  - ◆ Conferences
    - ◆ Open Source in Government
      - ◆ Nov 24 with EC
    - ◆ ComponentTechnology.org with OMB
- 



# Open Source

- ◆ Gaining momentum around the world as alternative software development methodology
  - ◆ But has ethical and social implications
  - ◆ First time in history that billions of dollars in value created without corporate or government command and control structure
  - ◆ Corporations and governments are coming in later, after value created





# Open Source International

- ◆ Asian countries now have jumped on board in big way
- ◆ Japan, Korean, China have government sponsorship of Open Source at ministry level
  - ◆ China is developing Red Flag Linux
- ◆ All governments outside US think that they can create an indigenous software industry based on Open Source





# Open Source International

- ◆ Thailand recently announced a deal with HP for a \$450 Linux based laptop
  - ◆ Sold 250,000 in a few months
  - ◆ Demand out-stripping supply
  - ◆ Thailand took on service and maintenance






# Open Source International

- ◆ Europe is a big player in Open Source
  - ◆ France is funding some Open Source development
  - ◆ Germany is leading the way in Europe
    - ◆ Munich is basing their local government on Open Source computers
  - ◆ UK recently released a policy statement that endorses Open Source





# Open Source International

- ◆ Brazil recently mandated that 80% of all government computers run Open Source
    - ◆ Probably too much, since Open Source isn't really ready for all those machines
    - ◆ It may be just a way to tap into Microsoft's multi-million dollar slush fund as reported in the International Herald
    - ◆ After announcement, Craig Mundie went to talk to them
- 





# Open Source International

- ◆ Peru an interesting case
  - ◆ Emphasized the social and ethical reasons for endorsing Open Source
  - ◆ Senator justified his support of Open Source on the implications for democratic institutions
  - ◆ Said that government information should be accessible and transparent without being dependent on a commercial company





# Open Source International

- ◆ If you think about secret e-voting software where the citizens don't know how the code works, and you see what he means
- ◆ He says that government software is special and there are social and moral reasons beyond the economic that say that Open Source is important





# Open Source USA

- ◆ President's Information Technology Advisory Committee (PITAC)
  - ◆ Recommended that the Federal government place Open Source on a level playing field
    - ◆ Oct 2000
- ◆ Mitre 2003 Report on Use of Free and Open-Source Software in US DoD
  - ◆ Found that Open Source everywhere without anyone knowing



# Open Source USA

- ◆ NSA started Security Enhanced Linux (SELinux)
  - ◆ NSA worried about Critical Cyber Infrastructure for more than a decade
  - ◆ Thought needed to start at a Secure Operating System
  - ◆ Tried to give a security architecture to proprietary companies
  - ◆ No market before 9-11, so no one adopted
  - ◆ NSA gave the architecture to the Open Source Community

# Open Source USA


- ◆ Office of Secretary of Defence (OSD)
- ◆ Released in May 2003 the first official Federal government Open Source Policy Statement
  - ◆ Placed Open Source on level playing field just like proprietary
  - ◆ Said need to comply with NIAP/CCe requirements
  - ◆ Kicked legal issues to DoD lawyers
    - ◆ Said need to look at licenses



# Open Source USA



## OMB

- ◆ Civilian side of Federal government not endorsing Open Source yet
    - ◆ As usual behind DoD
  - ◆ OMB is looking at Open Standards and Component Technologies
    - ◆ Need interoperability for huge egov, ehealth services
    - ◆ Question is are Open Standards going to work
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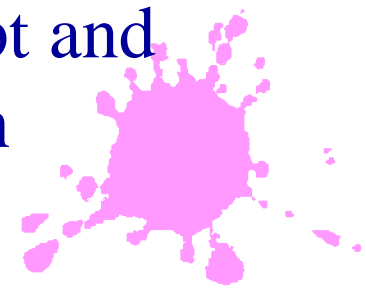
# Open Source USA

- ◆ Enforceable Open Standards could do it
  - ◆ Problem is the enforceability, since proprietary companies with market share have strong incentives to break the standards
- ◆ OMB is looking to new idea of using SBA/SBIRs to have small business create the reuseable Components
  - ◆ Less likely to try to break standards



# Open Source USA


- ◆ Interesting idea that is being laid out in a series of conferences starting June 26
  - ◆ [www.ComponentTechnology.org](http://www.ComponentTechnology.org)
- ◆ OMB will announce what they want
- ◆ Small Businesses are to create concept papers and prototypes
- ◆ SBA will use SBIRs to fund
- ◆ Phase I – upto \$100,000 for concept papers
- ◆ Phase II- upto \$750,000 for proof of concept and prototyping with view to commercialization







# Open Source USA

- ◆ Phase III – hand off to VC, to IPO
  - ◆ If works right, creates a new industry around reuseable Components
  - ◆ Some of these components will likely be Open Source, because small companies like to leverage Open Source and would like to have government money to work on Open Source
  - ◆ Open Source will likely produce the Open Standards for interoperability
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