



## Interoperability, Open Standards and Open Source

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Linux Annual Conference  
Adelaide  
12 – 17 January 2004



## OVERVIEW

- Australian Governments Position on Sourcing
- Current Agency Usage of OSS
- Examples of Current Australian Government Initiatives Utilising Linux and Open Source Solutions
- Interoperability as a key driver and what it means for sourcing and standards
- Where to from here?



## Australian Government's Position on Sourcing

- The basic criterion agencies must apply in considering any purchasing arrangements is one of 'fit for purpose, value for money'.



## Current Agency Usage of OSS

- File and Print Servers
- Infrastructure
- Software Development
- E-mail Infrastructure
- Environmental Analysis
- Intelligence Community
- Visualization & Simulation
- GRID/Distributed Computing
- Web Serving\*
- Web site deployment\*
- Replicated Databases\*
- Intranet Communications\*
- Web CMS\*
- Web Analytics\*
- Scripting Languages\*
- Application Development\*

\* Key Components of NOIE's Open Source Content Management System



# Australian Government Interoperability Framework



## What is Interoperability?

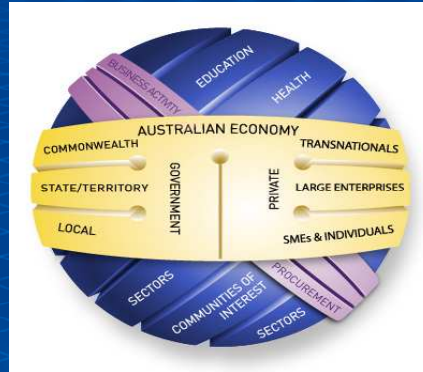
- Interoperability is the ability to transfer and use information in a uniform and efficient manner across multiple organisations and information technology systems. It underpins the level of benefits accruing to enterprises, government and the wider economy through e-commerce.

*(Interoperability Technical Framework for the Australian Government)*



## Why is it important?

- Interoperability is the key to transforming business and government.
- It enables improved service delivery and can also improve the efficiency of public and private sector business operations.
- It promotes the capability of firms and agencies within and across jurisdictions to collaborate in service delivery.



## The Interoperability 'Pillars'

Standards



Technology



Collaboration



Trust





## Standards-Technical & Business Processes

- “Interoperability Technical Framework for the Australian Government”
- Common standards approach
- Being revised and enhanced to include standards in new subject areas
- Looking toward developing a “National Interoperability Framework” in the future



## Collaboration

- National Service Improvement Project
- Delivers an Integrated Service Delivery Framework
- Re-useable agreements for collaboration
- Currently being piloted in Western Australia with State agencies, Centrelink and the Local Government Association
- More pilots planned for 2004



## Issues


- Building the 'G2B' bridge
- Risk-relationship to trust
- Respecting agency & jurisdictional independence
- Must be driven by business opportunities/needs-not technology
- Loosely coupled-not highly integrated
- Cultural issues-how are they managed?
- Legal environment-can it cope?
- Standards are important




## Examples of Current Australian Government Initiatives Utilising Linux and Open Source Solutions

AusTender

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THE AUSTRALIAN GOVERNMENT TENDER SYSTEM



An Australian Government Initiative

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<b>NTB-2003/29</b>	<b>NOIE - National Information Research Proposals</b>
<b>Category:</b> Research and Science-Based Services	<b>Closing Date &amp; Time:</b> (CETS Ref NOIE00482) Conduct of research relevant to the protection of the National Information Infrastructure (NII). <a href="#">More...</a>
17 Oct 2003 at 12:00 PM (ACT Local Time)	Last Updated: 03/10/2003 at 06:56 PM (ACT Local Time)
<b>NS0579RTF</b>	<b>ADC - Project Management Training Services</b>
<b>Category:</b> Specialized educational services	<b>Closing Date &amp; Time:</b> The Australian Broadcasting Corporation (ABC) is issuing this Request for Proposal in order to identify suitable service providers able to develop and customise Project Management (PM) courseware as well as deliver innovative accredited Project Management training. <a href="#">More...</a>
20 Oct 2003 at 04:00 PM (ACT Local Time)	Last Updated: 10/10/2003 at 11:04 AM (ACT Local Time)
<b>APGM 104.00</b>	<b>ATO - Property Management Services</b>
<b>Category:</b> Building, Construction and Maintenance Services	<b>Closing Date &amp; Time:</b> (CETS Ref ATO00481) Provision of Property Services <a href="#">More...</a>
03 Oct 2003 at 12:00 PM (ACT Local Time)	Last Updated: 07/10/2003 at 03:13 PM (ACT Local Time)
<b>NDIE/95/77</b>	<b>NOIE - Statement of Australian Government Telecommunications Expenditure</b>
<b>Category:</b> Communications and computer supplies	<b>Closing Date &amp; Time:</b> To benchmark Australian Government agency expenditure on telecommunications unit <a href="#">More...</a>



Australian Government  
National Office for the Information Economy



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**NOIE's OS Content Management System**

The screenshot shows a web browser window with the following content:

- NOIE projects and activities:**
  - NOIE Projects fall within the following broad categories:
    - Access, participation and skills
    - Adoption of e-business
    - Australia's Strategic Framework
    - Confidence, trust and security
    - Environment for Info economy firms
    - E-gov strategies & implementation
    - International dimensions
  - A-Z listing of projects and activities
- What's New:**
  - Publication directory to improve access by SMEs to Government business opportunities. **NOIE**. 9/23/2003
  - The 2003 NOIE Information Economy Index. **NOIE**. 9/23/2003
  - E-commerce in Australia took another step forward with the announcement by the Minister for Communications. **NOIE**. 9/23/2003
  - Advancing with e-business supply chain case studies. **NOIE**. 9/23/2003
  - Mr John Rimmer CEO, NOIE and Mr Je Seung Park, Managing Director of Samsung Electronics Australia presented the inaugural Samsung Digital-Hope Heard 2003. **NOIE**. 9/23/2003
  - The Interoperability Technical Framework for the Commonwealth Government. **NOIE**. 9/23/2003
- Features:**
  - Spam:** Subscribe to the NOIE Update newsletter and stay up to date with the information economy... [More newsletters...](#)
  - E Business Guide:** Subscribe to the NOIE Update newsletter and stay up to date with the information economy... [More newsletters...](#)
  - NOIE Netspots:** Subscribe to the NOIE
  - NOIE FAQs:** Subscribe to the NOIE

Surrounding logos include: open source, PostgreSQL, MySQL, Apache HTTP Server Project, and php.





## CMS Implementation Process

- Assessed all CMS products provided under the Australian Government's Endorsed Supplier Arrangement
- NOIE Executive approved the implementation of a complete open source solution
- A comprehensive project plan was developed, including:
  - Implementation Timetable
  - System Compatibility
  - User Training/Awareness
  - Security and Workflow implementation
  - Transition Effort
  - Risk Analysis

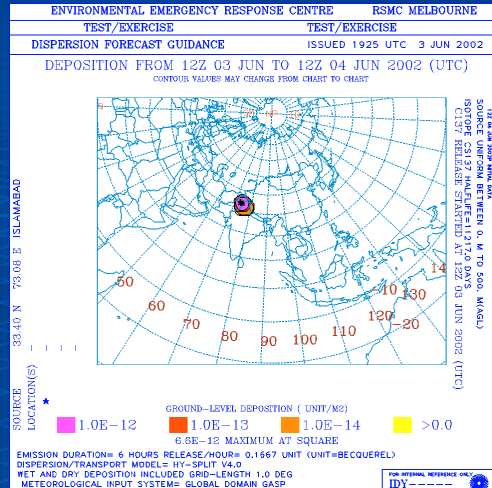
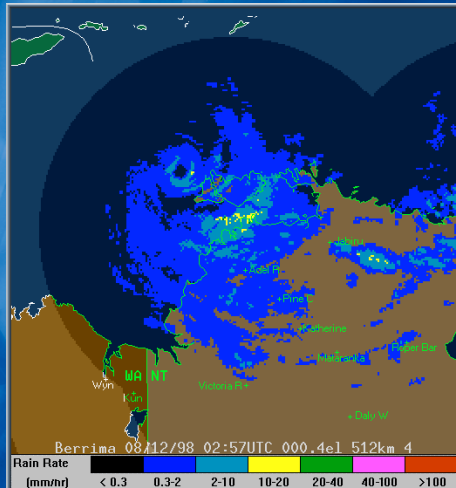


## A Collaborative Learning Experience

- Learning to speak the same language
- How to present a non-traditional ICT model to the Executive
  - Difficulties in comparing TCO/ROI to proprietary solutions
- Preparing the contract
  - "It is a contract, but..."
- Intellectual Property and Intellectual Capital Considerations
- Implementing the system
  - A cooperative learning environment



## Bureau of Meteorology's VisAD



## Where to from here?

- The Australian Government Sourcing Strategy
- A Variety of Models and Solutions
- The 'value for money' imperative
- Different solutions for different agencies
- A mixed environment



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*Questions?*