

Open Source Development Department of Corrections

Presented by
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NCOMS
National Consortium for Offender Management Systems

presented by

Brad Alvaro

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NCOMS - Chairperson

Agenda

- **Overview of NCOMS**
- **Today**
- **Future Plans & Projects**
- **Technical Discussion**

Overview of NCOMS

What is NCOMS?

The National Consortium for Offender Management System (Consortium) is a joint board coalition organized for the purpose of developing, maintaining, and enhancing a comprehensive electronic database system (“O-System”) for managing all aspects of offender incarceration, supervision, and rehabilitation among the participating members. The consortium is responsible for maintaining a standardized core module of the O-System set for its members and assuring multi-jurisdiction compatibility to facilitate the sharing of enhancements, data integration, data sharing, and mutual support.

Overview of NCOMS

We're not....

- For Profit Organization
- Reseller
- Vendor/Contractor

Overview of NCOMS

Organizational Structure and Processes

- **Joint Powers Agreement**
- **By Laws**
- **Membership**
 - Cost \$0
 - Government Only
 - Voting Member (Executive) - one per state
 - Associate Member (non-voting member)
- **Officers**
- **Subcommittees**
- **Meetings**

Overview of NCOMS

Goals & Objectives

Goal 1: Convert old client/server application to web technologies

Goal 2: Develop and Implement a 3-tier architecture

Goal 3: Develop and Implement a File Sharing Methodology

Overview of NCOMS

Member States

- Alaska
- Idaho
- Maryland
- Montana
- Missouri
- South Carolina
- Tennessee
- Colorado
- Kansas
- New Mexico
- Oregon
- Texas
- Utah

Today

Development & Environment Tools: based on Open Source Technologies

- Java
- HTML/Javascript
- JSP - Java Server Pages
- Framework-
Struts/Springs/Hibernate
- Jasper Reports
- Eclipse/MyEclipse
- Tomcat/JBoss - JVM
- OS - Linux, Unix, Microsoft, etc....
- Dashboard - Source Forge

Today

Documentation

- EZ-Guides
- Illustrated Guides
- Training Manuals
- CBT-Computer Based Training
- Online Help

Today

Standards - “key to success”

- **National Standards**

- CTA – Correction Technology Association
- ASCA - Association of State Correctional Administrators
- Department of Justice – NIEM/Global Justice

- **Technical Standards**

- Java Coding Standards - Sun
- Technical Documentation

- **Business Standards**

- Map Standard Operating Procedures to Application (SOP)

Today

Today

Technical Accomplishments

- Finalized and implemented JAVA Coding Standards
- Implemented Jasper as our reporting tool
- Approved Source Forge as our Dashboard Tool
 - *File Release Management*
 - *Change Management*
 - *Bug Tracker*
 - *Improved Collaboration Tools*
- Approved Subversion as our repository tool
 - *Create new file sharing methodology (Trunks, Branches & Tags)*
- Migrated to Eclipse 3.3 (with My eclipse 6.0)
- Completed 1st CIS Code Set for release

Future Plans & Projects

Technical Goals

- Begin Hibernate Migration
- Move to Springs 2.0
- Evaluate JSF as our new presentation layer
- Continuing Modularization of core code set per CTA 17
- Mapping of the CIS Data elements CTA module
- Establish NCOMS Data Dictionary
- Implement Process for Core code approval

Future Plans & Projects

- Business Process Committee
- “Core Code” version control & processes
- Medical Module
 - Data Exchange Standards - NIEM
- Begin modularized “CORE”

Summary

- Work in progress
- Lessons learned
- NCOMS.US – under development