Open Source in Public Safety and Healthcare
Speakers:

Roger Maduro (Moderator)
Editor-In-Chief, VistA and Open Healthcare News

David Riley
CONNECT Initiative Lead, Federal Health Architecture (FHA)
Program in the Office of the National Coordinator for Health Information Technology (ONCHIT)

Nancy E. Anthracite, MD
President and Chief Medical Officer, World Vista

Dwayne Peeples
Deputy Commissioner for Administration and Medical Services,
former Director of Health Care Services (Alaska Department of Health and Social Services), Alaska Dept. of Corrections

Open Source in Public Safety and Healthcare
GOSCON Panel Presentation

David L. Riley (Contractor)
CONNECT Initiative Lead
Federal Health Architecture

November 5, 2009
CONNECT is a multi-agency developed software solution that allows agency systems to exchange health information securely. It is an open source solution built to be:

- A Platform for Participation
- A Platform for Innovation

CONNECT is a platform for Meaningful Use HIE/EHR:

- Integration
- Migration
- New Development
CONNECT Architecture

- Gateway
- Enterprise Service Components (ESCs)
  - Universal Adapter
  - ESC Adapter
- Universal Client Framework
# Federal Agencies Deploying CONNECT

<table>
<thead>
<tr>
<th>Federal Agencies</th>
<th>Testing/Demonstrating CONNECT</th>
<th>In Production w/CONNECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centers for Disease Control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Centers for Medicare and Medicaid Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department of Defense</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department of Justice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department of Veterans Affairs</td>
<td></td>
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<tr>
<td>Food and Drug Administration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indian Health Service</td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Cancer Institute</td>
<td></td>
<td></td>
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<tr>
<td>National Disaster Medical System</td>
<td></td>
<td></td>
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<tr>
<td>Social Security Administration</td>
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</tr>
</tbody>
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State & Private Sector Organizations Testing/Deploying CONNECT

States Piloting CONNECT

New York
Iowa
Indiana
Washington State

Private Sector Using CONNECT

Redwood MedNet
MedVirginia (in production)
Regenstrief Institute
HealthBridge
Orange County ConnectCare

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Providing integration and implementation support.

Offering “CONNECT in a box” packaged with Cisco router

Incorporating CONNECT into its open source PHR offering

Providing integration, support services and adaptor development

Integrating with Initiate’s master patient index by developing the customized adapter

Evaluating ways CONNECT can enable data exchange between rural health care providers within a region and across the country

Developed a cross enterprise security and privacy authorization component and made it open source for the CONNECT community. The component was included in the CONNECT release 2.1

Creating an open source healthcare integration engine for CONNECT to fast track the last mile of integration between CONNECT and edge systems

Offering implementation support for CONNECT

Providing product support for the Sun components in CONNECT and offering integration support from CONNECT to their open source MPI.

Created an open source XDS.b to support federated document repositories and a document registry that will be incorporated into CONNECT 2.2. The company is also offering implementation services
Public Availability of CONNECT Solution

Released under a “non-viral” license that makes it easy to develop solutions using the CONNECT software code base.

A website where interested parties can download the CONNECT solution at: www.connectopensource.org
Health Information Exchange supporting meaningful healthcare reform for all Americans

Email: fha@hhs.gov   Phone: 202 205 8614
Free and Open Source EHR

Nancy E. Anthracite, MD
President & CMO
nancy@worldvista.org

WorldVista
www.worldvista.org
- Developed by the Department of Veterans Affairs over 30 years
- Used in all of their 170 + hospitals and 1000 + clinics
- Public Domain software
- Can be downloaded from the Internet
Recognized Excellence

Harvard Innovations in Government Award for Health Information Technology at the US Department of Veterans Affairs (VistA) – July 2006

RAND Criteria study – VA outperforms all other sectors of American Healthcare – Annals Internal Medicine December 2004
Recognized Excellence

The Best Medical Care In The U.S: How Veterans Affairs transformed itself - Arnst, Business Week July 17, 2006

“The Centerpeice of that culture is VistA.”

How the VA Became the Best – TIME Jan. 2006

Best Care Anywhere – Longman PoliPointPress 2007
VistA includes over 100 modules that may be used or not as users choose including ... 

- CPRS which is the GUI clinicians interface
  - Registration
  - Laboratory
  - Nutrition
  - Pharmacy
  - Mental Health Assistant
Examples of what VistA has Facilitated at the VA

- Bar code medication system reduces drug related errors.
  [The Veterans Health Administration: Quality, Value, Accountability, and Information as Transforming Strategies for Patient-Centered Care, (American Journal Managed Care. 2004;10(part 2):828-836)]

- Improvements in postoperative morbidity and mortality rates.
  [Quality Initiatives Undertaken by the Veterans Health Administration August 2009, The Congress of the United States, Congressional Budget Office, pg. 17]

- Significant improvement in disease management through the use of evidence based clinical reminders.
VistA is Free, Open Source and 508 Compliant

- In the Public Domain from the VA
- FREE as in Freedom to modify and adapt as you see fit and FREE to keep and FREE to choose your support options – NO VENDOR LOCK-IN if you chose the right version – very important in healthcare!
- 508 COMPLIANT - for those with disabilities
Major Enhancement to VistA from the non-VA Community

You have the option to run your server on an open source stack of software – VistA, GT.M and Linux or with Intersystems Cache and Windows.
WorldVistA's mission is to improve health worldwide by making affordable, effective, highly integrated electronic health information technology universally available.

- 501(c)(3) nonprofit corporation

- A rapidly growing COMMUNITY

- International participation: Jordan, UK, Malaysia, India, Mexico, Vietnam, Germany, Turkey, etc.

- Users, vendors, coders, organizations large and small including universities, businesses and from government.
WorldVistA EHR is licensed under the GNU Public License and is an enhanced version of VistA.

It is a guarantee to you and to the community that WorldVistA EHR will not disappear and that all integrated enhancements that are distributed will be available to the community of users and developers worldwide.
WorldVistA EHR Came Out of the VistA-Office EHR Project

- Funded by CMS directly and through the Iowa Foundation for Medical Care
- Adapted VistA for physicians' offices and add the quality reporting tool, DOQ-IT
- WorldVistA was one of the contractors on this project, initially to train vendors but this role changed as the project progressed.
Examples of the Enhancements

- Added ability to choose registration that is not veteran specific.
- Remove the necessity of using the social security number for all patients and providing for a long and unique patient record number for the system.
- Added other options for patient lookup.
- GUI registration.
- Pediatric and OB-GYN templates for progress notes.
Examples of Enhancements

- Document scanning without the need to use all of the VistA Imaging package
- Enhancements for reporting patients to disease registries.
- DOQ-IT reporting.
- Numerous new Clinical Reminders.
Examples of Enhancements

- Prescription finishing so that prescriptions can be printed or faxed to a local pharmacy from within CPRS (The VA always has an onsite pharmacy.)
- Use of an open source interface engine to help make working with clinical laboratories easier.
- GUI Registration
We hope you will decide to join our community as a user or a volunteer. Please do not hesitate to contact Nancy Anthracite at http://worldvista.org/nancy@worldvista.org.
Questions?

Tell us what you think:
Complete the survey