



Update on PHINMS, V3 Case Notification Architectures, Interface Brokers and Other Sundry Topics

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 - May 26, 2004

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What is PHINMS

- A network where messages can be easily exchanged between labs, hospitals, physicians, researchers, public health officials, emergency responders, federal agencies, and the CDC in a secure, reliable manner.
- Standards not software
- Interoperability across vendors, platforms, and jurisdictions

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Lab
Public Key

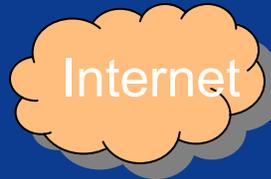
DOH
Public Key

Lab
Private Key

DOH
Private Key

Lab

DOH



PHINMS
Client

Proxy
Server

PHINMS
Server

Firewall

Firewall

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Where We Are With PHINMS

- In production in 25 locations transporting messages intended for the CDC.
- Many other locations in development and production including Nebraska where 4 regional hospitals are sending ELR messages to the Nebraska DOH.
- Others you will hear about in a few minutes and throughout this conference.

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Applications using the PHINMS

- NBS
- BioSense
- LRN Application
- OMS (planned)
- NHSN
- VSDN (NIP)
- HCN
- ELR between various states and LabCorp(now) and Quest and Mayo (very soon)
- Applications in NYS and NYC
- EPHT Network

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Where We Are With PHINMS

- Working with Orion Software developers of Symphonia and Rhapsody to incorporate the PHINMS software into their product.
- Working with a major LIMS vendor to do the same.
- HL7 has proposed an ebXML DSTU (Draft Standard for Trial Use) as a transport mechanism for all HL7 messages.

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Where We're Going with PHINMS



- Working on next version of PHINMS version 3.
- Backwards compatible with current version.
- Improvements in ease of use, deployment, interfaces, general management.
- Research into how this might interface into the PHDir.

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Where We're Going with PHINMS



- Continue to push for implementation of the standard, interoperability, and adoption by others.
- Continue to look at issues of both inter or intra organizational routing of messages either content or tag based.

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V3 HL7 Case Notification Messages (the good news)



- HL7 has fully balloted the Version 3 Case Notification Message and only awaits ANSI approval.
- We are currently updating implementation guides to support the fully balloted schema

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V3 HL7 Case Notification Messages (the not so good news)

- Full V3 schemas are supported by very few vendors.
- V3 message processing requires in-depth knowledge of XML as well as in-depth domain knowledge of the V3 RIM.
- V3 Message construction is declarative and not procedural.
- The consequence of this is that there are only an handful of individuals and vendors capable of processing a V3 message

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V3 HL7 Case Notification Messages (the good news)

- We now think we have a very workable solution to V3 message processing (STF approach).

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Simplified Transitional Format (STF) Approach

- Publish a simplified flattened though still XML disease specific schema. (STF)
- Make the implementation guide procedural (this element goes here, that element goes there).
- Publish a stylesheet that converts a STF file to a valid V3 message.

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Simplified Transitional Message (STF) Approach

- This is not a departure from our commitment to HL7 V3 but a pragmatic approach to the current situation
- As V3 domain knowledge becomes ubiquitous in the PH community and as vendors come on board with products that support V3, we should be able to move away from this model.

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Further Info

- I will be in the PHIN Booth immediately after this session for any individual questions and (hopefully) answers.
- There is a PHINMS technical workshop this afternoon at 5:00 – 6:30. (free beer not really)
- V3 Messaging roundtable tomorrow Wed where the STF format and approaches will be presented in much more detail.
- Look at the schedule on the PHIN booth for PHINMS as well as V3 SME's to answer questions.

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