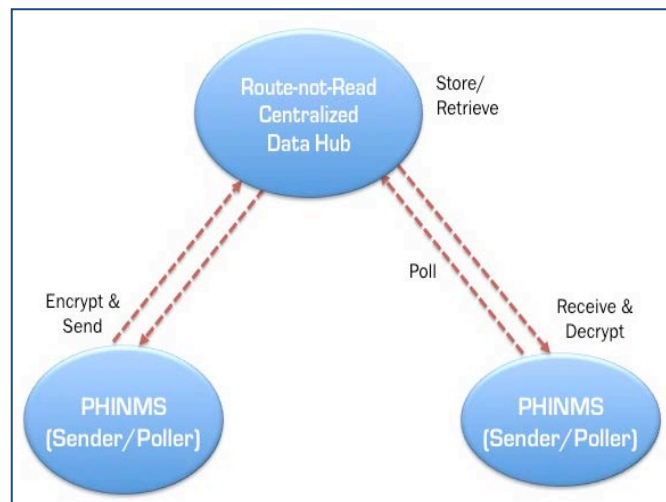

Overview

In response to demands from its partners, APHL has deployed an environment that will be able to host a variety of message services. In the Summer of 2013 this APHL Informatics Messaging Services (AIMS) environment will obtain Federal Information Security Management Act (FISMA) moderate certification, allowing for greater opportunity for transport validation and translation services.

Route not Read Hub

Since 2009 APHL has maintained a message transport hub service that has the ability to receive, hold, and transmit electronic messages sent from anywhere to anywhere. The RnR Hub coordinates electronic messages between CDC, partner laboratories, and public health agencies.

Routing messages through RnR Hub reduces certificate management and message routing tasks for individual laboratory partners. Each messaging partner updates credentials for a single recipient, rather than maintaining connections to multiple senders and pollers. Hub enable messaging partners to exchange secure messages without the necessity of configuring additional firewalls.



Current Use Cases

To date, APHL's RnR Hub have transported more than 260,000 messages. Currently, more than 40 messaging partners route, on average, more than ten thousand messages per month through the RnR Hub.

- SPHLs involved in the Public Health Laboratory Interoperability Project (PHLIP) use the RnR Hub to transport Electronic Laboratory Surveillance Messages (ELSM) for Influenza to CDC.
- The RnR Hub is used by states to maintain Pandemic Influenza surge capacity to securely exchange electronic test orders and results (ETOR).
- The RnR Hub supports Meaningful Use secure message transport for Syndromic Surveillance, Immunizations, and Electronic Laboratory Results.
- The Laboratory Reporting Network uses the RnR Hub to securely transport messages of possible bioterrorism threats.
- Regional Health Information Exchange Organizations have an expanded reach to state health agencies by using the RnR Hub

Future Directions of AIMS

APHL and its partners are actively working to enhance the capability of the RnR Hub and the services offered by AIMS to foster interoperable health information exchange nationwide. These developments are taking a number of directions.

- The APHL Technical Assistance Team continues to add PHLs to the Hub to facilitate the transmission of Influenza ELSM to CDC. Recently, the US Air Force and the Department of Defense have enrolled in PHLIP, and have plans to register on the Hub.
- The PHLIP team is working with CDC to use the RnR Hub to transport additional Surveillance messages from SPHLs to various CDC programs, including Vaccine Preventable Diseases beginning in the Summer of 2013.
- The PHLIP team is developing Electronic Test Order/Results (ETOR) that will be transported bidirectionally over the Hub between SPHLs and CDC.
- The APHL Technical Assistance Team will add additional ELR message partners to the Hub as part of the Electronic Laboratory Reporting (ELR) program.
- The RnR hub now supports SFTP senders, and has tested transport conversion between PHINMS NwHIN Direct.
- The AIMS team is testing the validation and transformation of Electronic Laboratory Messages

*For more information on **APHL Informatics Messaging Services**,
including the **Route-not-Read Hub** contact
Wesley Kennemore, Informatics Program Manager at
wes.kennemore@aphl.org*