RAPIDLY-INSTALLED, WEB-SERVICES APPLICATION FOR SECURE, POLICY-MANAGED COMMUNICATIONS OVER THE INTERNET

KEY FEATURES
- Direct Project Secure Health Email server
- Production, turn-key NwHIN Exchange enabled gateway
- Federated hybrid infrastructure support
- Consumer consent management support
- Orchestration of web services for data persistence, retrieval, staging, transformation and redaction

KEY BENEFITS
- Secure, dynamic infrastructure for cross-community health data exchange
- Secure all protected health care information through the use of encryption
- Standards-based interoperability ensures quick and efficient implementations
- Allow Health Enterprises to establish a HISP in the Direct Project Secure Health Email community

ABOUT CONNECT
Linking providers and networks, CONNECT supports health information exchange at the local and national levels in the United States. CONNECT uses U.S. federal standards and governance (NwHIN) to provide compatibility between exchanges being set up throughout the country. Oracle Health Information Exchange solution supports the CONNECT architecture and can be utilized to securely exchange health information with other public and private HIE networks.

ORACLE HEALTH SCIENCES INFORMATION GATEWAY

Enterprise information systems hold vast amounts of data on the “core entities” of organizations, including patients, clinicians, and customers. Decision-makers in many healthcare organizations rely on such information assets to produce actionable insights about these entities, including information from other communities and healthcare information networks.

Oracle Health Sciences Information Gateway supports secure, policy-managed communications of this data over the Internet, and complies with Integrating the Healthcare Enterprise (IHE) web services, U.S. “CONNECT” Federal web services and “Direct Project” Secure Health Email standards. Oracle Health Sciences Information Gateway is a key component of Oracle’s Health Information Exchange solution.

Dynamic Privacy Policy Resolution

More than ever, the emergence of personalized healthcare creates the need for dynamic adjudication of multiple privacy policies for each information request including policies based on Federal and State regulations, organizational policies, and policies related to individually-signed patient consent documents. Release of genetic information, as well as other Personal Health Information (PHI), may be used either for patient care purposes or for translational research purposes. However, the ability to release information for treatment, payment, and operations (TPO) is very different from the ability to release information for research.

Oracle Health Sciences Information Gateway (HIG) provides the secure communication infrastructure, as well as the dynamic policy infrastructure, that integrates privacy and security management into a single solution. This privacy and security management extends to properly integrated Master Person Index (MPI) and clinical data and document repository solutions when implemented as part of the Oracle Health Information Exchange solution.

Oracle Health Sciences Information Gateway includes Data Center Adapter, and Secure Health Email components. The Data Center Adapter component is able to orchestrate IHE web service compliant components including a MPI, a Document Registry, and one or more Document Repositories as well as a XACML compliant policy engine. In various implementation configurations, HIG supports Health Information Exchange (HIE), including enterprise, regional, statewide, or Nationwide Health Information Network (NwHIN) Exchange models that may be highly distributed, highly centralized, or hybrid in nature. Oracle Health Sciences Information Gateway combines the cross-industry convenience of standards-based interoperability with the efficiencies and scalability of Oracle technology to provide quick implementation of HIE solutions.
SUPPORTED IHE PROFILES

• Cross-community Access (XCA)
• Cross-community Patient Discovery (XC PD)
• Audit Trail and Node Authentication (ATNA)
• Consistent Time (CT)

RELATED PRODUCTS

The following complementary products and services are most often used with the Oracle Health Sciences Information Gateway:

• Oracle Health Sciences Information Manager
• Oracle Healthcare Master Person Index
• Oracle Healthcare Data Repository
• Oracle Identity Management
• Oracle SOA Suite for Healthcare
• Oracle Health Sciences Consulting

Oracle Health Sciences Information Gateway supports IHE profiles such as Cross-community Access (XCA) and Cross-community Patient Discovery (XCPD) as well as NwHIN CONNECT web services and the Direct Project Secure Health Email transactions, securely protecting enterprise PHI during public email exchange communications with consumers and other health information stakeholders.

Fully Integrated with Oracle’s Health Information Exchange Solution

Oracle’s Health Information Exchange solution includes Oracle Health Sciences Information Gateway, Oracle Health Sciences Information Manager, Oracle Healthcare Master Person Index, and Oracle Healthcare Data Repository.

Oracle Health Sciences Information Manager mediates secure, policy-managed communications of health data over the Internet. Oracle Health Sciences Information Manager enables organizations to improve their governance and compliance related to Internet communications, making this data available for ‘meaningful use’, and extending the power of personalized healthcare to the consumer. It facilitates the movement of data within privacy and regulatory guidelines by HIEs in order to ensure patient trust.

Oracle Healthcare Master Person Index provides a single point of reference to a patient, clinician, payer, or other healthcare entity within a healthcare organization or across HIE networks. It’s a comprehensive offering for the standardization, matching, cleansing, and profiling of individual entities, ensuring that data is capable of being retrieved regardless of how many systems reference this entity with different identifiers or names. The result: a single source of truth for healthcare entity/person management. Oracle Healthcare Master Person Index supports simple to complex patient identity resolution use cases and is natively compliant with relevant IHE profiles.

The Oracle Healthcare Data Repository not only provides an IHE-compliant document repository function but also is able to create HL7 CCD-compliant patient summary documents from data originating in multiple source systems. Its Enterprise Terminology Service enables the Oracle Healthcare Data Repository to normalize terminologies within an extremely high-volume, high-performance, transactional environment.

In all, the Oracle Health Information Exchange solution allows public sector Health Information Exchanges (HIEs) or Enterprise Health Information Exchanges to adapt and configure many federated, hybrid health information exchange models for communication of sensitive information over the Internet.

Contact Us

For more information about Oracle Health Sciences Information Gateway, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.