

ORACLE HEALTH SCIENCES INFORMATION GATEWAY

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

KEY FEATURES

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

KEY BENEFITS

- Connect all applicable health care providers to an HIE
- Secure all protected health care information through the use of encryption
- Comply with multiple general privacy and security policies for the operation of an HIE
- Allow Health Enterprise to participate in Direct Project Secure Health Email community

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.

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. 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 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 data repository solutions when implemented as part of the Oracle Health Information Exchange solution.

Oracle Health Sciences Information Gateway includes an Oracle VM DMZ Gateway template an Oracle VM Data Center Adapter template, and an Oracle VM Secure Health Email template. 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 combinations, HIG supports federated Health Information Exchange (HIE), including enterprise, regional, statewide, or NwHIN HIE models that may be highly distributed, highly centralized, or hybrid in nature. Oracle Health Sciences Information Gateway leverages the cross-industry convenience, efficiencies, and scalability of open source virtualization into a quickly installed HIE solution.

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 Transaction Base
- Oracle Health Sciences Integration Engine
- Oracle Identity Management
- Oracle SOA Suite
- Oracle Health Sciences Consulting

Oracle Health Sciences Information Gateway supports both NwHIN 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 also includes the Oracle Health Sciences Information Manager, Oracle Healthcare Master Person Index, Oracle Healthcare Transaction Base, and Oracle Health Sciences Integration Engine.

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 Health Sciences Information Gateway leverages the Oracle Healthcare Master Person Index to support the Internet Patient Discovery information request web service. This web service provides a set of patient demographics that may return, if allowed by policy, a patient identifier that is utilized to locate patient documents in one or more document repositories.

The Oracle Healthcare Transaction Base 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 Transaction Base to normalize terminologies within an extremely high-volume, high-performance, transactional environment.

Oracle Health Sciences Integration Engine is a healthcare-dedicated integration hub that enables interoperability while providing the technology and functions for solving complex and evolving information exchange requirements. It provides interface analysts with easy-to-use, full functionality for simple and complex healthcare data integration, supported by drag-and-drop interface development and real-time monitoring of system interfaces.

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.



Oracle is committed to developing practices and products that help protect the environment

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