

## ORACLE HEALTH SCIENCES INTEGRATION ENGINE

### ORACLE HEALTH SCIENCES INTEGRATION ENGINE

#### KEY FEATURES

- Fast to deploy and configure
- Purpose-built for healthcare integration
- Provides all functionality “out of the box”
- Secure, Robust, Reliable
- Standards Compliant

#### KEY BENEFITS

- Extend the life and value of existing systems
- Deliver on growing demands for information exchange
- Achieve a lower total cost of ownership
- Minimize downtime
- Be protected against future health transaction requirements

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

#### Interoperability of Healthcare Systems

Interoperability of healthcare systems is a challenge with rapidly growing expectations. Information exchanges, public health reporting and in-hospital integration needs are placing increasing pressure on already stretched IT resources. There are few truly healthcare-focused integration products that provide the advanced transformation and coding capabilities needed.

No matter what sort of integration challenges you encounter, you want to have the best tools for the job. Comprehensive support for communication protocols and message formats enables Oracle Health Sciences Integration Engine to act as a mapping and translating mediator between virtually any system. And Oracle Health Sciences Integration Engine’s ‘drag-and-drop’ tools make it easy to get started and quickly build common interfaces.

When you need more complex features, Oracle Health Sciences Integration Engine’s advanced options provide the ability to finely optimize and tune the system for non-standard needs. An integrated development kit also allows developers to add new functionality and protocols via the Oracle Health Sciences Integration Engine API. These components get deployed in the same configuration file used to deploy all your interfaces.

#### Documentation

Oracle Health Sciences Integration Engine’s development tools allow for embedding formatted documentation directly into the configuration to ease support concerns and lower training and maintenance costs. Complete interface specifications and configuration documentation can be generated without extra work.

#### The Integration Engine for Healthcare

**Standards Support.** Healthcare data integration requires support for numerous standards: messaging standards, communication protocols, clinical encoding standards, public health standards, IHE standards, and many more. Oracle Health Sciences Integration Engine enables standards support by harnessing your existing applications and providing an integration layer that keeps up to date with all your standards needs.

**Rapid Deployment.** Oracle Health Sciences Integration Engine deployments are fast and simple. Oracle Health Sciences Integration Engine’s all-in-one configuration deployment allows a full configuration to be added in minutes – even with custom components. Interfaces being updated will be stopped, reconfigured and restarted in moments while other interfaces continue to run without interruption. No engine downtime is required.

## RELATED PRODUCTS

The following complementary products and services are most often used with the Oracle Healthcare Integration Engine:

- Oracle Healthcare Transaction Base
- Oracle Healthcare Master Person Index
- Oracle Health Sciences Information Manager
- Oracle Health Sciences Information Gateway
- Oracle Enterprise Healthcare Analytics

This fast deployment model enables focus on the integration needs and not the integration tools.

**Interface Management.** Oracle Health Sciences Integration Engine's powerful and flexible management tools monitor interfaces so you don't have to. Advanced notifications and alerts give you the peace of mind to relax and let Oracle Health Sciences Integration Engine alert you when needed. Oracle Health Sciences Integration Engine's web-based management tools provide centralized monitoring of all interfaces and access from any browser-enabled device – without the need for browser plugins.

The secure monitoring system allows access to:

- Full Error and audit logging
- Troubleshooting tools
- System status information
- Data management settings
- Powerful message searching
- Performance monitoring

Archives of all messages are maintained for a set time and can be replayed if other systems require the data again.

**Manage Crosswalks.** Oracle Health Sciences Integration Engine's lookup tables provide high performance data translations with a simple configuration interface and integrated deployment strategy. Failed lookups are recorded and highlighted for addition to the lookup tables.

## Transform and Connect Data

Transform your data from isolated silos to interoperable systems using Oracle Health Sciences Integration Engine's advanced mapping capabilities. Message transformations are executed using a high-performance mapping language, auto-mapping tools and drag-and-drop field mapping. Built-in testing facilities provide a quick way to validate the transformation and test different scenarios.

Oracle Health Sciences Integration Engine provides support for vast range of protocols and standards; from legacy systems (e.g. Z-Modem) to new web service standards (e.g. SOAP) and everything in between (XML, HL7, X.12, NCPDP, and many more). Oracle Health Sciences Integration Engine's web service capabilities provide the perfect introduction to this new technology for those needing to integrate with regional solutions or web-service enabled systems and tools. Use Oracle Health Sciences Integration Engine to import Web Service Definitions (WSDLs) from your trading partners, or host a web service without writing any code. Use Oracle Health Sciences Integration Engine to web-service enable any legacy application by mapping the web service calls into application-specific transactions. The application can interact with any webservice enabled tools or products.

## Contact Us

For more information about Oracle Health Sciences Integration Engine visit [oracle.com](http://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

Copyright © 2010, Oracle and/or its affiliates. All rights reserved.

This document is provided for information purposes only and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

**SOFTWARE. HARDWARE. COMPLETE.**