Rhapsody™ Fact Sheet

Effortless Integration - Best in KLAS Integration

Rhapsody: The Integration Engine for Healthcare

Healthcare organizations, like other organizations, depend on sharing information to improve their professional and business practice. Applications and information systems can no longer act alone. Information must be retrieved from and presented to a number of different locations – be they financial, clinical or administrative.

Delivering timely information to the right places with speed, reliability and accuracy is key to a healthcare organization.

The growth of regional and national initiatives requires organizations to have a flexible, robust and secure solution for sharing increasing volumes of information. Results and reports must be delivered to both internal and external organizations, for billing, local and national compliance.

Your health IT department needs a cost-effective solution capable of handling the changing face of healthcare integration. You need improved reliability, performance and solutions that are future proof to emerging trends with no hidden costs.

You need Orion Health's Rhapsody Integration Engine. Rated the number one healthcare integration engine by KLAS for 2004 and 2005, Rhapsody has been specifically designed to meet the present and future needs of health integration. The Rhapsody Engine manages and streamlines message exchange between hospital applications, databases and external systems.

Rhapsody delivers an integration solution with the lowest cost of ownership and highest return on investment.
Rhapsody: Comprehensive, Powerful Back-End Integration for Health Enterprises

The Rhapsody Integration Engine ensures effortless integration between healthcare systems. Rhapsody's support for numerous communication protocols and message formats allows Rhapsody to act as a mapping and translating mediator between incompatible systems. Messages are reliably and accurately delivered regardless of the format or transportation type required.

Rhapsody's drag-and-drop configuration allows complex routing and processing to be easily configured, and its powerful web-based monitoring tools allow fast and efficient resolution of issues or reprocessing of messages.

Rhapsody utilizes an embedded high-performance message store to ensure full traceability and optimum performance. Messages are archived in the message store until a configured time to allow for regulatory requirements or protect against unstable systems.

The Rhapsody Integration Engine also includes Orion Health’s Symphonia™ Integration tools. Symphonia allows organizations to reduce development and deployment times when adding messaging interfaces to applications. Using Symphonia, developers can rapidly create EDI components and quickly create mappings between multiple message formats.

The Rhapsody Engine is a cost effective, easy to use, easy to maintain replacement for legacy data engines. Rhapsody enables healthcare organizations to seamlessly transfer information both internally and externally, without the need to replace existing information systems.

Configuring Your Interfaces

Rhapsody configurations are designed using the Rhapsody IDE; a Windows-based application that connects to the Rhapsody engine. The IDE displays the configuration through an easy to use graphical interface where developers can define their interfaces using drag and drop techniques.

**Easy to Use**
- The Rhapsody IDE is easy to learn and to use, and features intuitive “drag and drop” technology making interface development fast and simple.

**Integrated Contextual Help**
- Integrated contextual help provides interface developers with assistance developing their routes. Having information on hand at crucial times makes development of interfaces faster.

**Configure Interfaces on the Fly**
- Unlike other administration interfaces, Rhapsody allows interface developers to configure or edit interfaces while other interfaces continue to process messages, minimizing system downtime.

**Powerful Messaging Ability**
- Rhapsody’s Messaging Tools makes setting up message routes quick and effortless.
- Rhapsody includes a wide range of industry standard formats predefined, so you’re up and running in no time.
- Flexible Rhapsody filters process messages and can be chained together to complete complex processing or encryption requirements.

**Real-time Deployment**
- Installing the Rhapsody engine is a simple, one-step process involving an easy to follow installation wizard.
- Configuration changes are migrated from development systems into production using a single configuration file imported into a running system. Other interfaces continue to run without interruption.

**Documenting Interfaces**
- Documentation can be automatically generated for interfaces and components. The documentation includes component settings and any notes entered against the components.
Monitoring

The web-based monitoring system allows monitoring of the Rhapsody engine to become a simple task.

The secure monitoring system allows access to:
- System status information
- Logging information
- Powerful message searching
- Error resolution tools
- Data management settings

Interfaces can be stopped and started, and authorized users can view messages and analyze errors while the engine is running.

Easy to Use Interface
- Familiar web-based interface minimizes training time.

Secure Remote Access
- The Rhapsody Monitoring System can be securely accessed by authorized users via a standard web browser anywhere on your organization’s network.

User Security and Audit Trail
- Rhapsody maintains a database of users and their access privileges. Only users with suitable privileges may configure the engine or view engine statistics. All user activity within the engine is recorded in a full audit log.

Powerful Message Searches
- Rhapsody enables users to search for messages using message content, origination or destination point. Once a message has been found, it can be reprocessed or resent.

Error Monitoring and Troubleshooting
- The monitoring system highlights errors and allows fast remote access to the log files to assist in issue resolution.

Monitor Engine Statistics
- Users receive an overall messaging view of the engine, including statistics on the number of messages processed and engine throughput.

Reliability and Maintainability

Automated Archiving and Guaranteed Delivery
- Rhapsody can archive historical transactions for a specified period of time before they are removed from the system. Archived messages are still available for reprocessing and resending.
- Backups of the configuration and message data can be scheduled to occur in periods of low throughput.

Security
- Both monitoring and configuration tasks are accomplished via secure connections, so even remote connections are fully protected.

Notifications and Alerts
- Notification schemes alert administrators to selected events on selected interfaces. The events are highly configurable and flexible.
Fast, Powerful Message Mapping

Rhapsody’s Message Mapping tools provide a clear graphical interface to allow rapid mapping of data between systems with different data formats. Mapping code is automatically generated by dragging a field from one message format to a field in the output format. The generated code can be modified for full flexibility, and an integrated debugger allows effortless testing and configuration of the mapping.

The Rhapsody Mapper supports EDI, XML and custom schemas, providing support for almost any specification, including Health Level 7 (HL7) versions 2 (EDI) and 3 (XML).

Add Messaging and Mapping Ability to Custom Applications

The Rhapsody Integration Engine includes Orion Health’s Symphonia™ Integration Tools, the leading messaging toolkit for healthcare. Symphonia’s graphical tools allow the creation of standard or custom messaging APIs for Java, C++, COM and .NET compliant languages.

Functionality

Rhapsody can connect to external systems using a wide variety of protocols. If required, custom protocols can be implemented using the Rhapsody Development Framework for extending functionality.

Some of the standard protocols supported are:
TCP(S), FTP, SFTP, HTTP(S), SMTP, JDBC, ODBC, SQL, JMS Queues, Serial (RS-232) communications, File based, Printer, HylaFax

Once a message enters the Rhapsody Engine, it is processed by a customizable sequence of actions before delivery to its final destination(s). Custom actions can be created using the Rhapsody Development Framework.

Rhapsody includes a number of standard processing actions including:
EDI, XML and data-specific message validation (including HIPAA validation), Acknowledgement generation, message mapping, MIME-encoding, encryption and decryption, character encoding, database lookup and query, code translation, DICOM extraction and PDF generation.

Hardware and Software Requirements

Rhapsody supports the following platforms: HP-UX, Solaris, AIX, Linux and Windows.
Configuration of the Rhapsody engine requires a Windows PC to run the Rhapsody IDE, while the monitoring system is available via any Internet Browser.

About Orion Health

Orion Health’s easy-to-use suite of applications and tools integrate and enhance healthcare information systems and deliver secure, universal access to information. The innovative company delivers an end-to-end information technology (IT) integration platform that brings together clinical content to improve clinician effectiveness and the quality of patient care.

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