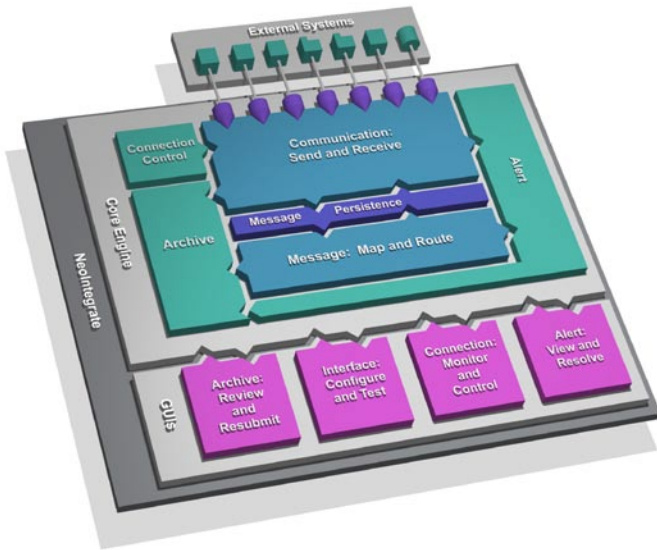


NEOINTEGRATE™ FEATURES OVERVIEW



NeoTool's customers in various healthcare organizations have gained the benefits of NeoIntegrate, including:

- + Reduced cycle time in developing healthcare interfaces through point-and-click, logical builds
- + Improved quality of interfaces by checking conformance against HL7 standards or user-defined profile
- + Increased productivity in building and maintaining interfaces with powerful, simple-to-use tools
- + Enhanced management of interface connections through proactive, intelligent logging, monitoring and alerting capabilities

NeoIntegrate is an effective solution for healthcare organizations that are purchasing their first interface engine, replacing outdated interface technology, or adding a supplemental or departmental interfacing solution.

COMMUNICATION: SEND AND RECEIVE

- + Send or generate outbound messages
- + Manage multiple dynamic behavior profiles to deal with inbound acknowledgements
- + Manage inbound messages and generate HL7 acknowledgements
- + Handle HL7 resends
- + Manage communication with multiple applications
- + Support unrestricted and non-blocking data flow
- + Resolve MLP implementation and communication problems
- + Provide pre-configured sender and receiver logic
- + Read, write, query, insert, and/or delete data in any ODBC database

MESSAGE: MAP AND ROUTE

- + Support for XML messages created using HL7 version 3, custom XSDs, and new standards including Continuity of Care Record (CCR) and HL7 Clinical Document Architecture (CDA)
- + Use preloaded definitions of messages, segments, fields and data types for all HL7 2.x versions actively used in the field
- + Include ASCII or UNICODE character sets
- + Support 2.X / 3.0 messages, segments, fields, and data types
- + Process repeating fields, repeating segments, groups of segments, etc.
- + Handle one input message to produce 0-to-n output messages through dynamic, content-based routing
- + Transform XML documents into HL7 messages
- + Run HL7 conformance checks using sample messages, testing the HL7 derivative configuration; reinforce the HL7 objective of keeping compatible versions and ensuring data integrity
- + Pass messages through as unparsed objects

INTERFACE: CONFIGURE AND TEST

HL7 Support:

- + Leverage the entire HL7 standard as the starting point for each interface
- + Allow user-defined variations in messages (e.g., making segments or fields optional, required or rearranging, etc.)
- + Configure and leverage vendor-specific HL7
- + Configure messages easily to reduce integration work
- + Create Z segments and custom messages
- + Validation check on user-defined HL7 messages

Alert Configuration:

- + Configure alerts flexibly according to time and severity thresholds, including:
 - + By day
 - + Time of day
 - + Type of day (e.g., weekday, weekend, holiday)
 - + Thresholds (seconds, minutes, hours)
 - + Who receives alert
- + Receive alerts based on:
 - + Queue depth
 - + Message error
 - + Connection activity
 - + Connection status
- + Assign unique alert configurations to different interfaces
- + Set escalation of alerts if no change in status or new threshold is met
- + Store and view alert and resolution log

Message Definition:

- + Configure message mapping easily to reduce integration work
- + Define filter criteria such as 'Only send A04 and A08' and 'Remove all outpatients from data stream' through GUI-based tool
- + Adjust coded values such as replacing "M" to "1" for Male
- + Point-and-click GUI to move data from point A to B in a message
- + Print and save HL7 message definitions and configuration files for clear documentation
- + Completely reformat interface message without writing any compiled code or interpreted scripts
- + Test mapping operations in GUI testing screen before using in a running connection
- + Export interface configuration to move from test to production or between servers

ALERT: VIEW AND RESOLVE

- + Automatically monitor connection states and related conditions, and raise alerts when problems occur
- + Display alerts in an administration console
- + Send alerts via email to pagers, cell phones, etc.
- + Support for quick resolution of alerts

ARCHIVE: REVIEW AND RESUBMIT

- + View message logs for each connection by day, including session, error, and alert information
- + View messages over a range of days
- + Search for messages by message content, history, and metadata attached to the message
- + Edit messages easily, especially useful in testing
- + Re-send messages to resolve problems quickly

CONNECTION: MONITOR AND CONTROL

- + Display color-coded icons and connection conditions for quick viewing with tie-in to alert system
- + Examine:
 - + Connection state (Is the connection working?)
 - + Idle time (Is there any issue with the message flow on a connection?)
 - + Message queue depth (Is there a delay in message processing?)
- + Centralize interface connection management

TYPICAL HARDWARE CONFIGURATION

- + Microsoft Windows XP or Windows Server 2003
- + Intel Xeon 2.8 GHz (1 or 2 CPU server)
- + 2 GB memory
- + 80 GB SCSI disk

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NeoIntegrate works as a solution for healthcare software vendors and healthcare organizations even though requirements may vary. For example:

Healthcare Organization Requirements	Healthcare Software Vendor Requirements
Transform, route, and filter HL7 messages	Meet customer demand for an application HL7 interface
Electronically read patient demographics into a database	Read/write data directly to a database
Resend HL7 messages	Focus product development on application features, not HL7 interfaces
Control and monitor HL7 interfaces	Reduce development costs and cycle time in providing an HL7 interface solution
Leverage data between applications	

ABOUT NEOTOOL:

NeoTool is a leading provider of healthcare integration solutions that empower organizations to develop, test, deploy, and manage data exchanges between healthcare applications and providers. Through software, HL7 training, and consulting, NeoTool is dedicated solely to healthcare application interfacing. NeoTool customers include healthcare providers (e.g., hospitals, imaging centers, labs, and clinics), healthcare software application providers, and medical device manufacturers. www.neotool.com

“With the implementation of NeoIntegrate, we reduced the time it takes to develop and implement a new healthcare interface by 75%, at a minimum.”

Christopher Langley, Director of Integration, Good Shepherd

