

HL7 Analyzer™

“HL7 Analyzer helped to quickly filter a file of 10,000 messages and find only those messages with a specific error segment. From here, I was able to determine the percentage of error messages that we were receiving from one system. HL7 Analyzer enabled me to quickly find the information required to escalate the issue to resolve an application’s HL7 interface problem.”

Jeanne Bacon, Interface Analyst, Radiology Ltd.

Just as word processing improved office productivity and financial applications improved operational efficiency, HL7 Analyzer has taken HL7 interfaces to a higher level of performance. HL7 Analyzer enables users to stop reading long, painful strings of HL7 messages in a text editor as well as stop the slow, manual checks on the quality of a message against an HL7 standard.

HL7 Analyzer simplifies how an experienced HL7 analyst or programmer can view, edit, test, validate, and repair any HL7 message, increasing productivity with a point and a click. For an HL7 novice, HL7 Analyzer simplifies the reading and translating of HL7 messages, thereby accelerating the learning curve.

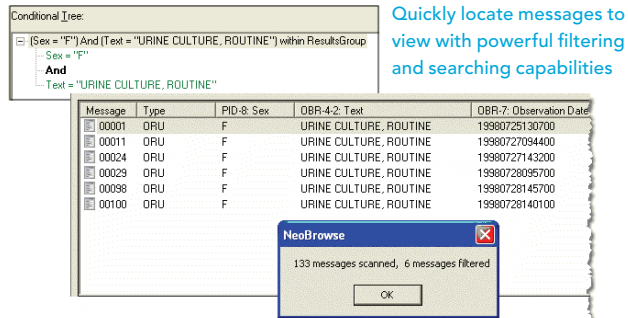
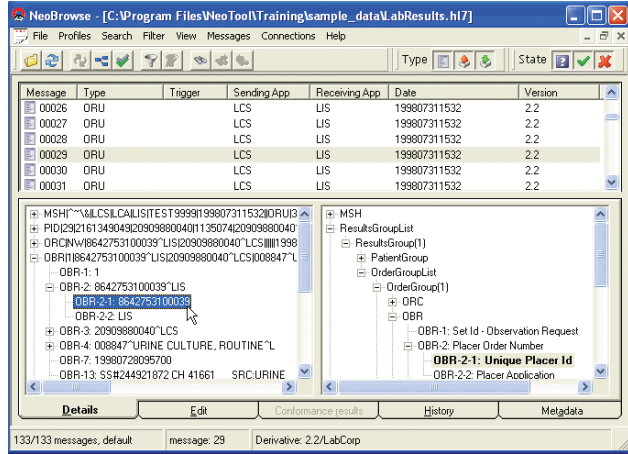
The implementation of healthcare applications and related clinical and business processes mirror the unique requirements of the organization. Accordingly, HL7 was designed with flexibility so that a healthcare entity’s unique requirements could be addressed. The flexibility of the HL7 integration standard translates into complexity, especially when data is exchanged between applications written by different vendors or communication occurs between different healthcare organizations.

Communication engines resolved some of these challenges, but the difficult tasks of building, testing, and supporting HL7 interfaces remain. These challenges are addressed constructively with HL7 Analyzer.

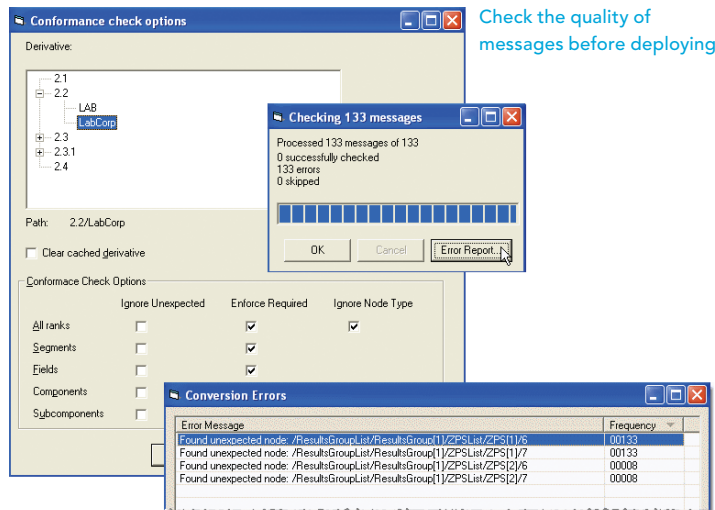
Many HL7 users rely on the simplicity and power of HL7 Analyzer in their daily support of data flows between healthcare applications. HL7 Analyzer delivers continual value by giving users the ability to:

- View and quickly understand any HL7 message
- Test conformance to an HL7- or user-defined message profile
- Simulate an HL7 message exchange to and from any healthcare application (e.g., lab, clinic, imaging center, hospital, etc.)
- Test and debug a healthcare application’s TCP/IP interface
- Test and debug HL7 messages

View HL7 messages in a readable format and easily determine the correct HL7 definition of message data



Quickly locate messages to view with powerful filtering and searching capabilities



Check the quality of messages before deploying

Key HL7 Analyzer capabilities:

FUNCTION	CAPABILITY	BENEFIT
Conformance Checking	Review messages against HL7 standards or user modified HL7 message format	Ensure that messages match business/clinical requirements
View	Interact with remote healthcare applications from any desktop; display multiple windows at the same time	Support and maintain several, simultaneous TCP/IP connections
Debug	Edit, send, receive, or play back HL7 messages to a remote healthcare system	Test interfaces for accuracy before going live
Contextual Search and Filter	Locate specific values in HL7 messages	Trace specific HL7 data to troubleshoot issues – search by patient name, MRN, ordering facility, message type, etc.
Communication Utility	Locate and debug communication issues quickly and easily	Increase responsiveness to customer support issues
Simulation	Test HL7 interfaces to and from any healthcare application by performing dry-runs to remote systems	Accelerate delivery of proven interfaces
Data Utility	Capture, record, display, or edit HL7 messages sent to or from any TCP/IP connection or file	Collect test data and detect errors or problems before going live
Compatibility	Open and view log files from various HL7 interface engines	Improve productivity with any interface engine
Hierarchical Data View	Explore HL7 message data and definitions in real time	Interactively view details of any HL7 message to see what will be or has been sent or received
User-Defined Summary Display	Build a summary view of HL7 messages based on individual preferences	Save time by quickly viewing HL7 messages in the most productive manner
View Field Name	View the HL7 defined names for individual fields in real time	Quickly determine precise field elements of each message