

HL7

What It Is

Health Level Seven (HL7) is an international healthcare messaging standard widely used to enable disparate healthcare applications to exchange key sets of clinical and administrative data.

The OnBase HL7 listener is capable of listening for all HL7 messages, even user-defined messages. It can turn these messages into auto-fill keyword set rows for indexing or it can create an E-Form document from the embedded keywords and fields within the message.

The OnBase HL7 is not like most hospital systems and equipment, which only deal with specific HL7 messages. The OnBase HL7 functionality can listen for any type of message. It is also not tied to a specific version of HL7 (e.g. 2.3 or 2.4).

How It Works

The OnBase HL7 listener hooks keywords to fields of the message. There is no limit to the number of keywords assigned to a message. The only limit is that a single field can only populate a single keyword. HL7 fields not hooked to keywords in OnBase can also be used to populate non-keyword fields in E-Form documents.

The OnBase HL7 listener attaches one or more actions to each message as soon as it enters the system. The action could be to populate an auto-fill keyword set or create an E-Form, for example.

The OnBase HL7 sender is integrated with the OnBase input processors (COLD, DIP, Document Imaging). When the input processors process a document, they generate HL7 output messages to one or more destination applications on the network. Since this uses Point-to-Point protocol, the users' network is not flooded with broadcasted information.

Who Will Benefit

Customers who have a need for a document imaging system and have HL7-compliant applications will benefit from this module. If their application sends HL7-compliant ADT messages for admission, that EDI can be caught in real time and the patient information can be immediately stored in indexing data for the scanned documents. With the E-Form generation, this can be used to allow HL7 messages to initiate limitless workflow activities.

Technical Features

- Built on distributed disk service platform
- Multithreaded to receive and process any number of messages at once
- Can create a text document, auto-fill or an E-Form
- Point-to-Point Sender
- Sends messages from DIP, COLD and Scanning processes
- Receive HL7 batch files through EDI HL7 processor

Business Benefits

- Can be configured to send or receive any HL7 message
- Create an integration without any programming
- Create documents in real time
- Eliminate double keying of information by sending OnBase info to other applications
- Capture indexing information from other applications

System Requirements

- HL7 module
- Windows Sockets
- Windows 98, NT4, 2000 XP?
- An available port open through routers and firewalls to the other HL7 applications

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