C-DAC's
Medical Informatics
Software Development Kit
for HL-7

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C-DAC's Medical Informatics Software Development Kit (SDK) for ANSI/HL7 v2.8.2-2015 is an implementation of Health Level Seven International's ANSI/HL7 v2.8.2-2015. The SDK is a Free and open-source software (FOSS) which facilitates incorporation of ANSI/HL7 v2.8.2-2015 in healthcare applications.

The API library can also be used by Medical device manufacturers for making their medical device medical standards compliant.

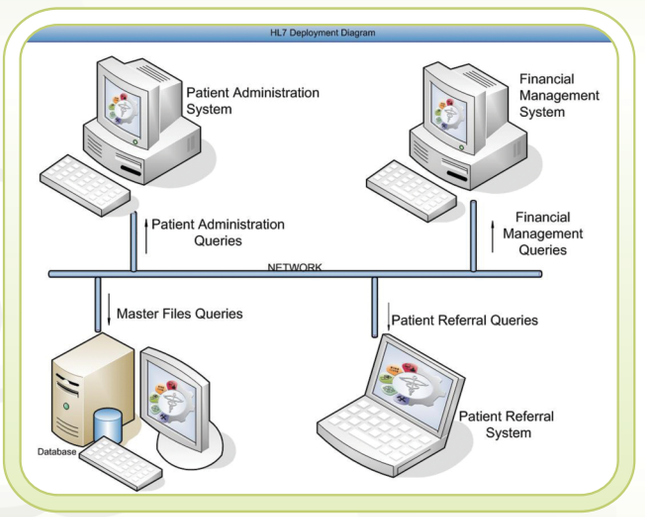
Advantages

- SDK is licensed under Apache License v2.0 (Open Source License) that makes it free for both personal / commercial use.
- SDK allows building message source, recipient, and exchange entities using file or stream based communication models
- Integrates with Rapid Application Development Tools so programmer can continue using IDE of choice
- Apart from standard deployable packages, custom packaging allows to target specific memory, storage, and cost requirements
- Layered API packaging approach makes it possible to target currently needed HL7 capabilities and enhance / extend later
- Suitable for both HL7 expert and general object-oriented programmer
- Start early with SDK using variety of samples, test codes, documentation available with the toolkit
- Designed to easily deliver and update revisions to standard

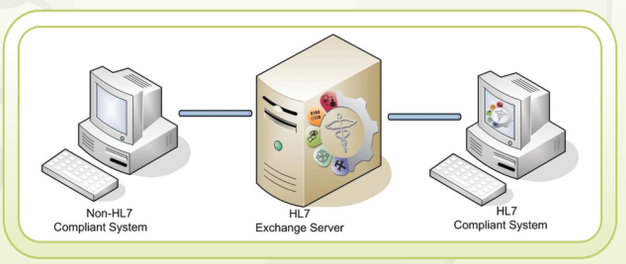
C-DAC's Medical Informatics Software Development Kit is a suite of API libraries that provides medical standards compliance to the implementing applications/medical devices

HI7 is an ANSI approved standard for information exchange between medical applications proposed and maintained by Health Level Seven Internatonal (www.hl7.org)

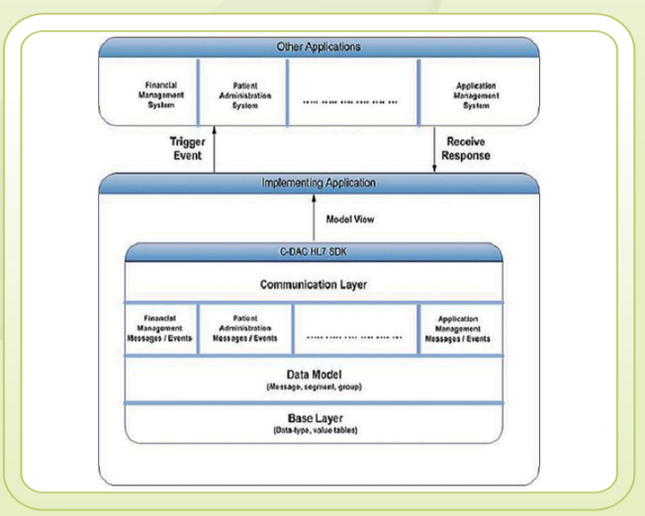
Usage Scenario



Data Exchange Scenario



Architecture



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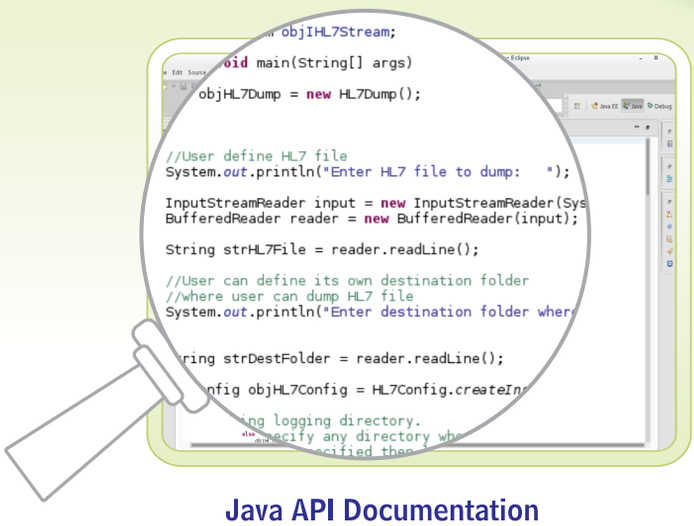
Medical Informatics

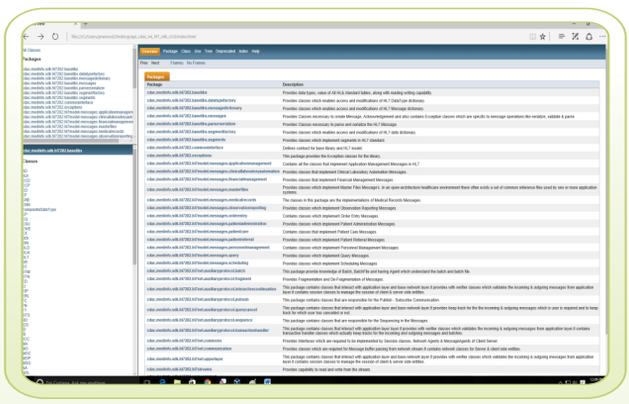
Salient Features

- Complete object-oriented implementation of the standard
- Implements all standard defined data types, value tables, segments, messages, queries, and events
- Provides network communication capability with advanced application-level support for security / compression
- Efficient handling of memory and native platform multicore / multiprocessing capabilities
- Comprehensive Error / Warning Logging capability to assist debugging
- Allows customisation through extensible interfaces
- Ready-to-run command line utilities and sample codes based on SDK included in package
- Complete API and Help documents for easy understanding, reference, and use
- Source code available for download and reference

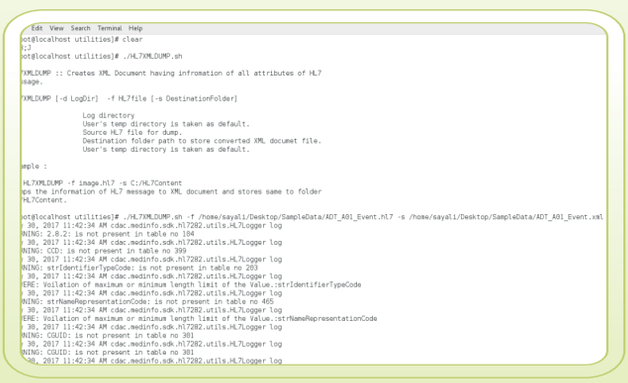
Sample Applications



Java API Documentation



Command Line Utilities



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