HL7 CDA Clinical Documents

Design and Implementation Workshop

CaboLabs

Healthcare Informatics, Standards and Interoperability

Goals and Methodology

The main goal of this workshop is that our students acquire practical the basic knowledge and practical experience in the design and implementation process required to support HL7 CDA compliant clinical documents in software systems.

The workshop is focused on solving common problems, following good practices, using the CDA specifications and available tools that simplify the design and implementation process of CDA clinical documents. It has a very practical approach, and introduces fundamental concepts about HL7 v3 and the CDA model.

Why this workshop?

Today HL7 CDA documents are very common on health information systems. The standard provides a normalized way for clinical documentation creation, storing and sharing, requirements most systems have sooner or later. But the design and implementation of CDA is not trivial, the specifications are long and not easy to read, it requires certain level of knowledge about HL7 v3, lack of experience might lead to invalid implementations or just designed documents. This workshop was created to shorten the gap between the specifications and a correct implementation of CDA.

Target audience

This workshop is aimed at IT professionals, basic programming skills and XML experience is required.

Syllabus

Here you can find the workshop modules and the correspondent list of topics.

Module	Topics
1. Intro to HL7 v3 and CDA	+ HL7 v3: RIM, data types, domains and CDA + CDA levels + CDA header common data + Relationships between documents + XML header generation activity
2. Design and Validation of CDA	+ CDA sections and entries + CDA design process + Study cases for CDA design + Validation of CDA documents + Document visualization with XSLT
3. Implementation Guides and Codes	+ OIDs and other codes used in CDA + Terminology lookup for LOINC and SNOMED CT + CDA implementation guides analysis + Reusing common sections + CDA document processing with XPath

Modalities

This workshop is offered online and on-site for companies, organizations and events. To request a quote please contact info@cabolabs.com

It is also offered online with live/synchronous sessions or on-demand with pre-recorded sessions. This modality works in established periods, generally twice a year. To get notification when the next enrollment period opens, sign to the Waiting List found here: https://www.cabolabs.com/education

For the online editions:

- We have a virtual campus with the materials and a forum
- We have a videoconference tool to provide the live online sessions
- All the session are recorded to watch later
- All the materials needed for each module will be available before the correspondent session

In the on-demand modality, the only difference is two session recordings will be published each week.

Certification

CaboLabs will emit PARTICIPATION certificates for all the students that sign up to this workshop.

Trainer

The workshop will be delivered by Pablo Pazos Gutiérrez, who designed the workshop taking into account the CDA specifications and summarizing 14+ years of experience working with CDA and other HL7 standards.

Bio

Pablo is a Computer Engineer from Uruguay, specialized in the eHealth domain. Director of CaboLabs: Health Information Systems, Standards and Interoperability, and creator of the courses delivered through CaboLabs. With 15+ years of experience in eHealth, 600+ trained professionals from 20 countries.

- Computer Engineer degree, Universidad de la República, Uruguay
- Director at CaboLabs Health Informatics
- openEHR Ambassador for Latin America
- Coordinator at openEHR community in spanish
- Qualified Member of openEHR's Specification Editorial Committee

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