



Mirth Connect & HL7 Interoperability Workshop

the most used open source integration engine in health care



Objectives

The main goal of this workshop is to gain knowledge about the Mirth Connect integration engine, its components and how it works under different interoperability scenarios, including: different communication protocols, message formats and standards like HL7, DICOM and openEHR, with a very practical approach.

Why this workshop?

Mirth Connect is a very useful integration engine for health information systems and health data. It simplifies integrations tasks by having support to many interchange standards, communication protocols and message formats. This workshop has a very practical approach that will allow students to learn how Mirth works internally, it's features, limits, and how it can be applied to real world integration scenarios.

Target audience

The course is aimed at professionals and students from the Information and Communication Technology field, including Software Architects, Software Designers, Developers, Tech Leaders, among other roles.

Syllabus

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

Session	Topics
1. Introduction	<ul style="list-style-type: none"> + Introduction to Mirth Connect + Installation and configuration + Channel architecture + Activities about basic features and data flows
2. HL7 v2.x y E4X	<ul style="list-style-type: none"> + Introduction to HL7 v2.x + Introduction to E4X + Activities <ul style="list-style-type: none"> - Working with HL7 v2.x and MLLP - Monitoring with Wireshark - Working with files - Working with databases - Working with emails
3. HL7 CDA and Java	<ul style="list-style-type: none"> + Introduction to HL7 CDA + Activities <ul style="list-style-type: none"> - Processing XML and HTTP - Processing HL7 CDA documents - Extending Mirth Connect with external libraries - Working with alerts
4. DICOM	<ul style="list-style-type: none"> + Introduction to DICOM and imaginology workflows + Activities <ul style="list-style-type: none"> - Explicit message routing vs. multiple destinations with filters - Working with DICOM objects

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 sessions 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

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

Trainer

The course will be delivered by Pablo Pazos Gutiérrez, who designed the workshop summarizing more than 12 years of experiences working with Mirth Connect and 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 the support of ACHISA. With 12+ years of experience in eHealth, 500+ trained professionals from 16 countries.

More info: <https://cabolabs.com/founder>

- Computer Engineer degree, Universidad de la República, Uruguay
- Director at [CaboLabs](#) Health Informatics
- Educator at [Asociación Chilena de Informática en Salud](#)
- [openEHR Ambassador for Latin America](#)
- Coordinator at [openEHR community in spanish](#)
- Qualified Member of openEHR's programs (specification, software, localization, education)

**ACHISA supports knowledge dissemination in the Health Informatics discipline,
especially about the available standards and specifications.**

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Health Informatics, Standards and Interoperability