

The openEHR Java Reference Implementation Project

Description

This repository contains components comprising a reference implementation of *openEHR* in the Java language. Eventually the components will include:

- back-end services, such as EHR service, demographic service, archetype service
- a client component, which is built in to user applications to " *openEHR-enable*" them, i.e. to add the capability of an archotyping/templating kernel, security, client side communication with back-end services, and so on
- as part of the client component, a "kernel". The idea of a kernel in *openEHR* is a small but sophisticated component which implements the reference model (RM) and archetype model (AM) in order to actually use archetypes at runtime to build and validate data. It is the key component in many openEHR services, and central to the archetype method. We are aiming for this implementation to become the openEHR reference implementation of the kernel for the Java language.
- ADL parser and serializer

Implemented openEHR Specifications

- ***open EHR Reference Model***: EHR, EHR Extract, Demographic, Data Types, Data Structures, Common, Support
- ***open EHR Archetype Model***: Archetype Object Model, openEHR Archetype Profile, Archetype Definition Language

Component Descriptions

- ***openehr-rm*** Java implementation of the Reference Models (RM)
- ***openehr-aom*** Java implementation of the Archetype Object Model (AOM)
- ***openehr-ap*** Java implementation of the openEHR Archetype Profile (AP)
- ***adl-serializer*** ADL serialization from AOM, AP objects
- ***adl-parser*** Archetypes in ADL format to AOM, AP objects
- ***openehr-dao*** Data Access Object interfaces for RM
- ***mini-termserv*** A minimum terminology service required by the kernel

Vital Statistics

1. <mailto:rXXong.acXXXXode@gmXXail.coXXm>

Project Leader	Rong Chen; (Cambio, email ¹ ; remove XXs from email address)
Development team	Yin Su Lim, Nathan Lea, Bert Verhees, Erik Sundvall, Helma van der Linden, Thilo Schuler, Sebastian Garde, Lisa Thurston, Humberto Naves, Miguel-Angel Sicilia, Leonardo Lezcano
Contributors	Rodrigo Filgueira, Mattias Forss, Johan Hjalmarsson, Jonas Andersson, Joakim Fredriksson, Routis Haralampos, Sergio Miranda Freire
Project Mailing List	ref_impl_java@openehr.org - http://www.chime.ucl.ac.uk/mailman/listinfo/ref_impl_java ²
Developer Guidelines	The guidelines ³ are used by the team in managing this repository, and govern quality assurance measures designed to guarantee that the repository moves from one consistent state to another consistent state with every change-set.
ARB change managed	No
Language(s) & Technologies	Java 1.5
Source Repository	Subversion repository name = ref_impl_java ; URLs: repository top: http://www.openehr.org/svn/ref_impl_java ⁴ web-view ⁵
Builder Server	Continuous Integration Server: Continuum ⁶
Documentation	Wiki: http://www.openehr.org/wiki/display/projects/Java+Reference+I
Downloads	<ul style="list-style-type: none"> • Release notes⁸ • A quick start guide⁹ • Download page¹⁰ • Design document¹¹
Problem Reports (PRs) Change Requests (CRs)	<ul style="list-style-type: none"> • PRs • CRs

4. http://www.openehr.org/svn/ref_impl_java

5. http://www.openehr.org/wsvn/ref_impl_java/?sc=0

6. <http://openehr.cambiosys.org/continuum>

8. http://www.openehr.org/svn/ref_impl_java/TRUNK/readme.txt

9. <http://www.openehr.org/wiki/display/projects/Quick+start+guide+for+the+openEHR+Java+project>

10. <http://www.openehr.org/wiki/display/projects/Java+Project+Download>

11. <http://www.openehr.org/wiki/display/projects/Design+document+of+the+Java+implementation>

Status	Release 1.0.1
---------------	---------------

News

- **30 April 2009** Release of 1.0.1 Reference Java Implementation
- **07 Aug 2008** Archetype to ontology translator, [ehr2ont](#)¹², joined the Java project
- **03 Jun 2008** Code donation from Zilics including mutable RM+AM and XML archetype/template parsers
- **25 May 2008** Archetype Testing Framework, [archetype-testing](#)¹³, presented at MIE2008, Gothenburg
- **14 Dec 2007** Documentation moved to [Wiki](#)¹⁴
- **12 Dec 2007** Welcome Humberto as the new committer!
- **5 Dec 2007** New component mini-termserv available
- **19 Oct 2007** Welcome 4 new Java project committers!
- **19 Aug 2007** [Instructions for attendees to the openEHR Implementation Workshop at Medinfo](#)¹⁵
- **12 Aug 2007** Documents updated; quick start, download page added
- **08 Aug 2007** The Java project build server launched
- **27 Oct 2006** Release-1.0.1 RC1 announced

12. http://www.openehr.org/svn/ref_impl_java/SANDBOX/ehr2ont/

13. http://www.openehr.org/svn/ref_impl_java/SANDBOX/archetype-testing/

14. <http://www.openehr.org/wiki/display/projects/Java+Reference+Implementation>

15. http://svn.openehr.org/ref_impl_java/TRUNK/docs/medinfo-workshop.htm